

NUREG-0020
Vol. 12, No. 7
July 1988

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 06-30-88

UNITED STATES NUCLEAR REGULATORY COMMISSION



8808230411 880831
PDR NUREG
0200 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. 12, No. 7
July 1988

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 06-30-88

Manuscript Completed: August 1988
Date Published: August 1988

OFFICE OF ADMINISTRATION AND RESOURCES 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 Information Resources 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 Office, the 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
EKRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9
<u>SECTION 2 - OPERATING POWER REACTORS</u>	
ARKANSAS 1 THROUGH ZION 2	2-002 through 2-500
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	For units in power ascension at the end of the period, the gross hours from the beginning of the period or the first electrical production, whichever comes last, to the end of the period. For units in commercial operation at the end of the period, the gross hours from the beginning of the period or of commercial operation, whichever comes last, to the end of the period or decommissioning, whichever comes first.

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

REACTOR AVAILABLE HOURS	The Total clock hours in the report period during which the reactor was critical or was capable of being made critical. (Reactor Reserve Shutdown Hours + Hours Reactor Critical.)
REACTOR AVAILABILITY FACTOR	$\frac{\text{Reactor Available Hours} \times 100}{\text{Period Hours}}$
REACTOR RESERVE SHUTDOWN	The cessation of criticality in the reactor for administrative or other similar reasons when operation could have been continued.
REACTOR RESERVE SHUTDOWN HOURS	The total clock hours in the report period that the reactor is in reserve shutdown mode. NOTE: No credit is given for NRC imposed shutdowns.
REACTOR SERVICE FACTOR	$\frac{\text{Hours Reactor Critical} \times 100}{\text{Period Hours}}$
REPORT PERIOD	Usually, the preceding calendar month. Can also be the preceding calendar year, (Year-to-Date), or the life-span of a unit (cumulative).
RESTRICTED POWER LEVEL	Maximum net electrical generation to which the unit is restricted during the report period due to the state of equipment, external conditions, administrative reasons, or a direction by NRC.
SCHEDULED OUTAGE	Planned removal of a unit from service for refueling, inspection, training, or maintenance. Those outages which do not fit the definition of "Forced Outage" performe 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	$\frac{\text{Forced Outage Hours} \times 100}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
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.

10

INDEX TO OPERATING POWER REACTORS

	PAGE		PAGE
ARKANSAS 1	2-002	MILLSTONE 3	2-246
ARKANSAS 2	2-006	MONTICELLO	2-250
BEAVER VALLEY 1	2-010	NINE MILE POINT 1	2-254
BEAVER VALLEY 2	2-014	NINE MILE POINT 2	2-258
BIG ROCK POINT 1	2-018	NORTH ANNA 1	2-262
BRAIDWOOD 1	2-022	NORTH ANNA 2	2-266
BRAIDWOOD 2	2-026	OCONEE 1	2-270
BROWNS FERRY 1	2-030	OCONEE 2	2-274
BROWNS FERRY 2	2-036	OCONEE 3	2-278
BROWNS FERRY 3	2-042	OYSTER CREEK 1	2-282
BRUNSWICK 1	2-048	PALISADES	2-286
BRUNSWICK 2	2-054	PALO VERDE 1	2-292
BYRON 1	2-058	PALO VERDE 2	2-298
BYRON 2	2-062	PALO VERDE 3	2-304
CALLAWAY 1	2-066	PEACH BOTTOM 2	2-310
CALVERT CLIFFS 1	2-072	PEACH BOTTOM 3	2-314
CALVERT CLIFFS 2	2-076	PERRY 1	2-318
CATAUGA 1	2-080	PILGRIM 1	2-322
CATAUGA 2	2-086	POINT BEACH 1	2-326
CLINTON 1	2-090	POINT BEACH 2	2-330
COOK 1	2-094	PRAIRIE ISLAND 1	2-336
COOK 2	2-100	PRAIRIE ISLAND 2	2-340
COOPER STATION	2-104	QUAD CITIES 1	2-344
CRYSTAL RIVER 3	2-110	QUAD CITIES 2	2-350
DAVIS-BESSE 1	2-114	RANCHO SECO 1	2-356
DIABLO CANYON 1	2-120	RIVER BEND 1	2-362
DIABLO CANYON 2	2-124	ROBINSON 2	2-366
DRESDEN 2	2-128	SALEM 1	2-370
DRESDEN 3	2-134	SALEM 2	2-374
DUANE ARNOLD	2-138	SAN ONOFRE 1	2-378
FARLEY 1	2-142	SAN ONOFRE 2	2-384
FARLEY 2	2-148	SAN ONOFRE 3	2-390
FERMI 2	2-154	SEQUOYAH 1	2-396
FITZPATRICK	2-158	SEQUOYAH 2	2-402
FORT CALHOUN 1	2-162	SOUTH TEXAS 1	2-408
FORT ST VRAIN	2-166	ST LUCIE 1	2-412
GINNA	2-170	ST LUCIE 2	2-416
GRAND GULF 1	2-174	SUMMER 1	2-420
HADDAM NECK	2-178	SURRY 1	2-424
HARRIS 1	2-182	SURRY 2	2-430
HATCH 1	2-186	SUSQUEHANNA 1	2-436
HATCH 2	2-190	SUSQUEHANNA 2	2-440
HOPE CREEK 1	2-194	THREE MILE ISLAND 1	2-444
INDIAN POINT 2	2-198	TROJAN	2-448
INDIAN POINT 3	2-202	TURKEY POINT 3	2-454
KEWAUNEE	2-206	TURKEY POINT 4	2-458
LASALLE 1	2-210	VERMONT YANKEE 1	2-462
LASALLE 2	2-216	VOGTLE 1	2-466
LJMERICK 1	2-220	WASHINGTON NUCLEAR 2	2-472
MAINE YANKEE	2-224	WATERFORD 3	2-478
MCGUIRE 1	2-228	WOLF CREEK 1	2-482
MCGUIRE 2	2-234	YANKEE-ROWE 1	2-486
MILLSTONE 1	2-238	ZION 1	2-490
MILLSTONE 2	2-242	ZION 2	2-496

SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 105 IN COMMERCIAL OPERATION 91,409 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 3 IN POWER ASCENSION. 3,490 capacity; design elec. rating
 * POWER * --- used if MDC not determined
 * REACTORS * (b) 108 LICENSED TO OPERATE 94,899 TOTAL
 ***** (c) 0 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

	MDC NET	(b) Excludes these plants licensed for operation which are shut down indefinitely or permanently	DER	(c) SHOREHAM	DATE	DER
(a) BRAIDWOOD 1	1120	1. DRESDEN 1.....	200		07/03/85	820
BRAIDWOOD 2	1120	2. HUMBOLDT BAY....	65			
SOUTH TEXAS 1	1250	3. TMI 2.....	906			
		4. LACROSSE.....	50			

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE)	45,489,135	42,347,557	266,988,846
* POWER *	2. NET ELECTRICAL (MWHE)	43,196,547	40,191,728	253,707,984
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	72.2	63.2	69.0
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	72.2	63.2	69.0
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	67.3	59.5	65.1
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	65.6	58.1	63.6
	7. FORCED OUTAGE RATE (%)	8.6	10.0	10.8

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	43,196,547 NET	65.6
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	12,438,094 MWHe	18.9
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	6,069,933 MWHe	9.2
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	4,109,907 MWHe	6.2
* PRODUCTION *	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	65,814,480 MWHe	100.0% TOTAL
*****	(Using Maximum Dependable Capacity Net)		
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	0 MWHe	
	6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	MWHe	3 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	47	5,967.8	7.9	6,069,933
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	33	14,363.8	19.0	12,438,094
* DATA *					
*****	TOTAL	80	20,331.6	26.9	18,508,026

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

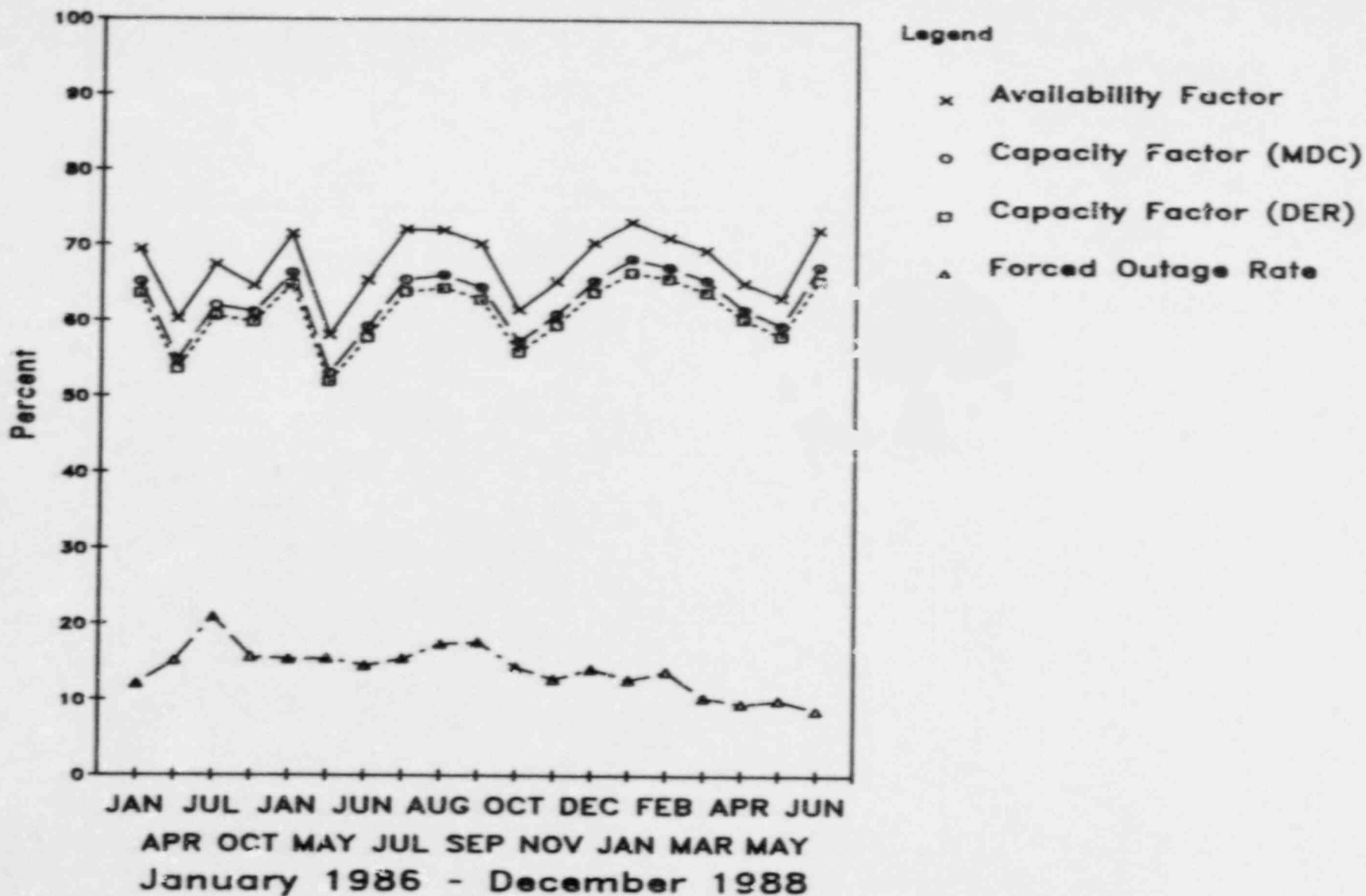
		NUMBER	HOURS LOST
*****	A - Equipment Failure	32	2,789.6
* REASONS *	B - Maintenance or Test	14	1,261.3
* FOR *	C - Refueling	20	12,896.3
* SHUTDOWNS *	D - Regulatory Restriction	0	0.0
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	5	2,895.2
	G - Operational Error	2	108.4
	H - Other	8	1,100.8
	TOTAL	81	21,051.6

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
* DERATED *	BYRON 1 1120	1120	Self-imposed
* UNITS *	BYRON 2 1120	1120	Self-imposed
*****	COOK 1 1020	920	Self-imposed
	FORT ST VRAIN 330	271	NRC Restriction
	LIMERICK 1 1055	950	Self-imposed
	PEACH BOTTOM 2 1051	0	NRC Restriction
	PEACH BOTTOM 3 1035	0	NRC Restriction
	SAN ONOFRE 1 436	390	Self-imposed

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	BIG ROCK POINT 1 C	BROWNS FERRY 1 F	BROWNS FERRY 2 F	BROWNS FERRY 3 F			
* GREATER *	BYRON 1 A	CALVERT CLIFFS 1 C	COOK 2 B	COOPER STATION C			
* THAN 72 HRS *	DAVIS-BESSE 1 C	DIABLO CANYON 1 C	DRESDEN 3 C	GINNA A			
* EACH *	INDIAN POINT 2 B	INDIAN POINT 3 A	LASALLE 1 C	MCGUIRE 2 C			
*****	MILLSTONE 2 A	NINE MILE POINT 1 C	NINE MILE POINT 2 A	PALO VERDE 2 C			
	PEACH BOTTOM 2 C	PEACH BOTTOM 3 C	PERRY 1 A,H	PILGRIM 1 C			
	QUAD CITIES 1 H	QUAD CITIES 2 C	SAN ONOFRE 1 H	SAN ONOFRE 2 C			
	SEQUOYAH 1 F	SEQUOYAH 2 A	SUMNER 1 A	SURRY 1 C			
	SURRY 2 A	SJSQUEHANNA 1 A	SUSQUEHANNA 2 C	THREE MILE ISLAND 1 C			
	TROJAN C	VERMONT YANKEE 1 B	WASHINGTON NUCLEAR* B,C				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of June 1988



AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAALLY 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.

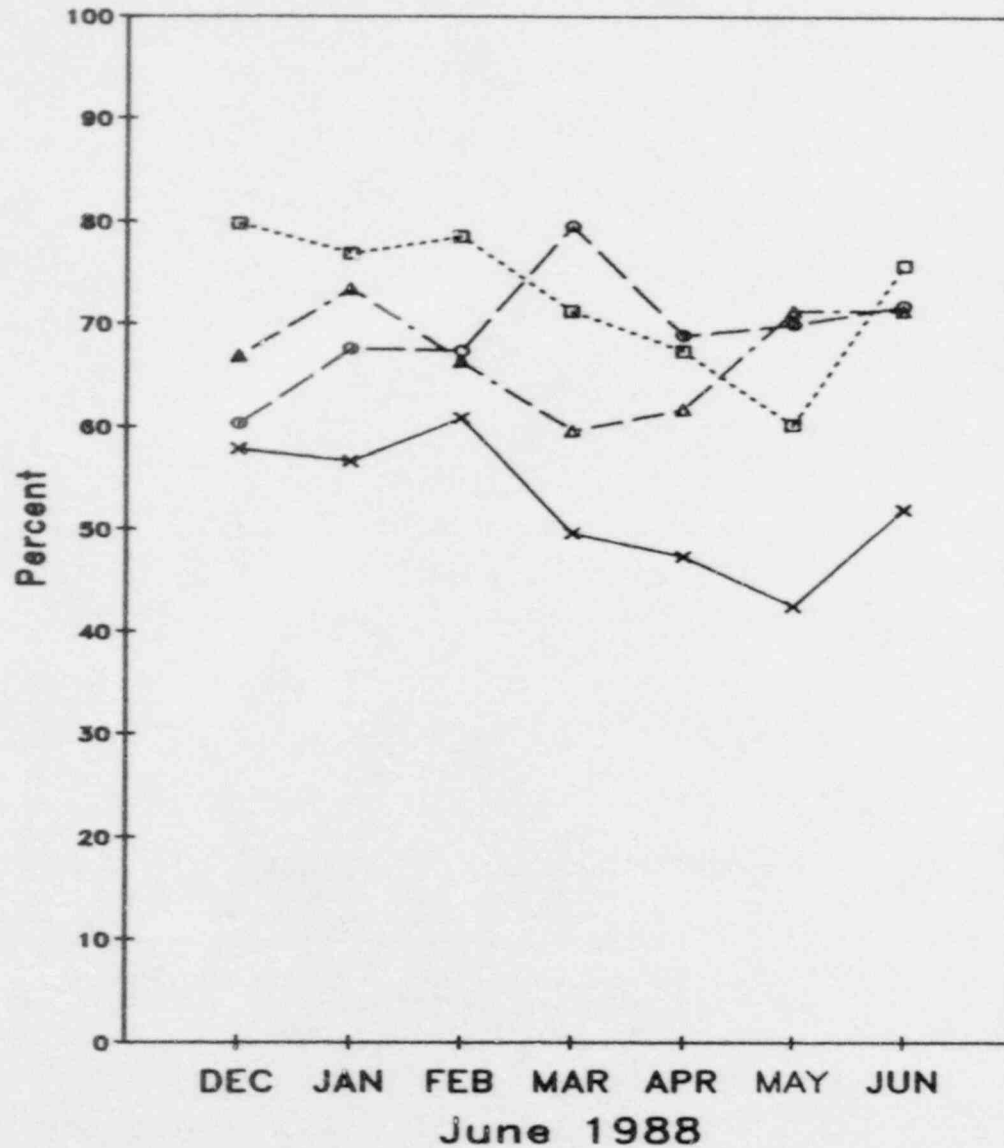
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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.

THE AVERAGE POWER LEVEL CHART
IS NOT AVAILABLE THIS REPORT
PERIOD DUE TO SOFTWARE PROBLEMS

Vendor Average Capacity Factors

06/30/88



Legend

- x General Electric
- o Westinghouse
- Combustion Engineering
- △ Babcock & Wilcox

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

AVERAGE CAPACITY FACTORS BY VENDORS

***** * GENERAL * * ELECTRIC * *****	CFMDC 0.0 BROWNS FERRY 1 96.5 BRUNSWICK 2 5.8 DRESDEN 3 104.1 GRAND GULF 1 0.0 LASALLE 1 97.3 MONTICELLO 0.0 PEACH BOTTOM 2 62.3 QUAD CITIES 1 7.7 SUSQUEHANNA 2	CFMDC 0.0 BROWNS FERRY 2 86.1 CLINTON 1 91.1 DUANE ARNOLD 94.9 HATCH 1 88.5 LASALLE 2 0.0 NINE MILE P INT 1 0.0 PEACH BOTTOM 3 4.6 QUAD CITIES 2 72.3 VERMONT YANKEE 1	CFMDC 0.0 BROWNS FERRY 3 28.4 COOPER STATION 76.4 FERMI 2 94.4 HATCH 2 82.4 LIMERICK 1 53.7 NINE MILE POINT 2 35.1 PERRY 1 97.4 RIVER BEND 1 5.8 WASHINGTON NUCLEAR 2	CFMDC 93.1 BRUNSWICK 1 86.4 DRESDEN 2 101.5 FITZPATRICK 95.3 HOPE CREEK 1 96.8 MILLSTONE 1 98.7 OYSTER CREEK 1 0.0 PILGRIM 1 60.0 SUSQUEHANNA 1
***** * BADCOCK & * * WILCOX * *****	CFMDC 80.3 ARKANSAS 1 99.1 OCONEE 2	CFMDC 100.6 CRYSTAL RIVER 3 99.4 OCONEE 3	CFMDC 0.0 DAVIS-BESSE 1 37.3 RANCHO SECO 1	CFMDC 97.8 OCONEE 1 58.1 THREE MILE ISLAND 1
***** * COMBUSTION * * ENGINEERING * *****	CFMDC 102.6 ARKANSAS 2 96.3 MAINE YANKEE 15.3 PALO VERDE 2 96.8 ST LUCIE 1	CFMDC 0.0 CALVERT FS 1 71.7 MILLS 100.3 PALO VERDE 3 100.0 ST LUCIE 2	CFMDC 103.5 CALVERT CLIFFS 2 104.4 PALISADES 103.0 SAN ONOFRE 2 77.6 WATERFORD 3	CFMDC 94.1 FORT CALHOUN 1 101.4 PALO VERDE 1 0.0 SAN ONOFRE 3
***** * WESTINGHOUSE * *****	CFMDC 81.8 BEAVER VALLEY 1 102.9 CALLAHAY 1 0.0 COOK 2 100.1 FARLEY 2 63.0 INDIAN POINT 2 0.0 MCGUIRE 2 102.6 POINT BEACH 1 72.0 ROBINSON 2 0.0 SEQUOYAH 1 34.5 SURRY 2 99.5 VOGTLE 1 98.9 ZION 2	CFMDC 90.5 BEAVER VALLEY 2 98.6 CATAWBA 1 0.0 DIABLO CANYON 1 88.5 GINNA 81.5 INDIAN POINT 3 99.5 MILLSTONE 3 102.1 POINT BEACH 2 98.6 SALEM 1 29.1 SEQUOYAH 2 0.0 TROJAN 100.6 WOLF CREEK 1	CFMDC 55.5 BYRON 1 69.0 CATAWBA 2 95.4 DIABLO CANYON 2 95.4 HADDAM NECK 105.3 KEWAUNEE 98.7 NORTH ANNA 1 97.6 PRAIRIE ISLAND 1 85.4 SALEM 2 60.9 SUMMER 1 99.5 TURKEY POINT 3 99.2 YANKEE-ROWE 1	CFMDC 76.2 BYRON 2 83.4 COOK 1 93.4 FARLEY 1 96.9 HARRIS 1 90.9 MCGUIRE 1 99.7 NORTH ANNA 2 98.9 PRAIRIE ISLAND 2 0.0 SAN ONOFRE 1 0.0 SURRY 1 101.7 TURKEY POINT 4 96.2 ZION 1

* OTHER INFO *

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

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

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

	GE BWRs	West PWRs	Comb PWRs	B&N PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	11,544,649	20,427,652	7,615,004	3,441,256	31,483,912
MDC NET.....	30,858	39,493	13,955	6,704	60,152
CFMDC.....	52.0	71.8	75.8	71.3	72.7

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

BIG ROCK POINT 1
CALVERT CLIFFS 1
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 180 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
RIVER BEND
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

ERRATA
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

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

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>118,626.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,335.2</u>	<u>83,390.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,329.6</u>	<u>81,758.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>81.5</u>
17. Gross Therm Ener (MWH)	<u>1,525,052</u>	<u>8,940,381</u>	<u>187,775,388</u>
18. Gross Elec Ener (MWH)	<u>509,690</u>	<u>3,035,275</u>	<u>62,302,405</u>
19. Net Elec Ener (MWH)	<u>483,267</u>	<u>2,879,042</u>	<u>59,268,419</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.1</u>	<u>68.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.1</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>80.3</u>	<u>78.9</u>	<u>59.8</u>
23. Unit Cap Factor (DER Net)	<u>79.0</u>	<u>77.6</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.9</u>	<u>13.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>37.4</u>	<u>12,435.0</u>

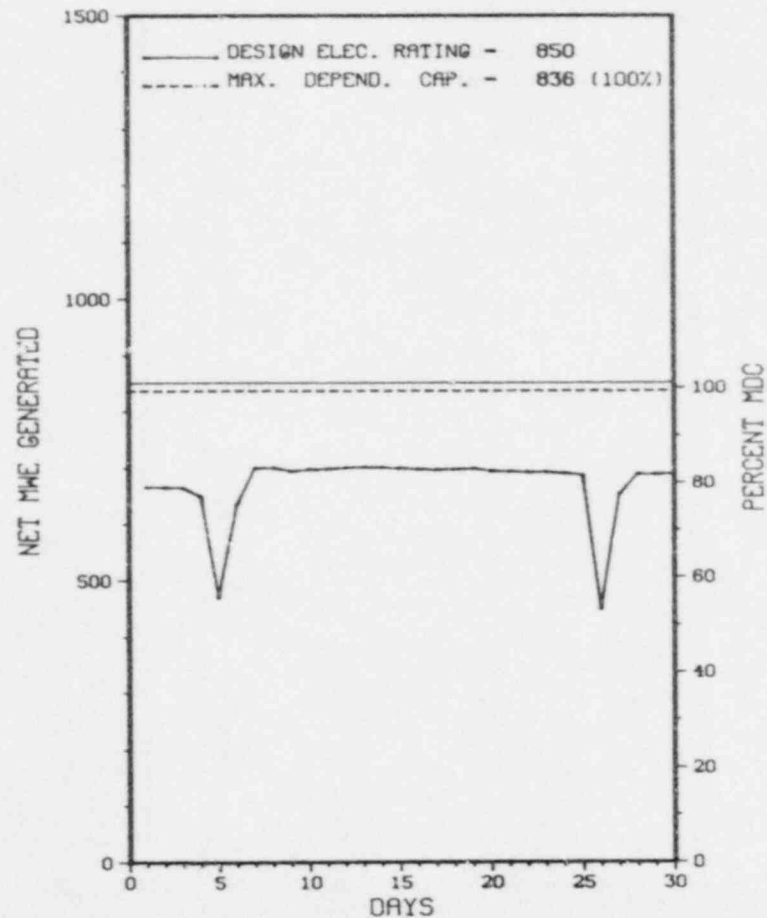
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - SEPTEMBER 2, 1988 - 70 DAY DURATION.

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * ARKANSAS 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8804	06/04/88	F	0.0	A	5		SM	TBG	POWER WAS REDUCED TO 60% TO REPAIR A FEEDWATER HEATER TUBE LEAK.
8805	06/09/88	F	0.0	B	5		SJ	P	POWER WAS REDUCED TO 79% TO DETERMINE SPEED EFFECTS ON FEEDWATER PUMP VIBRATIONS.
8806	06/26/88	S	0.0	H	5		JD	ROD	POWER WAS REDUCED TO 60% TO PULL AXIAL POWER SHAPING RODS.
8807	06/26/88	F	0.0	B	5		SJ	r	POWER WAS REDUCED TO 40% FOR WORK ON FEEDWATER PUMP DUE TO VIBRATIONS.

XXXXXXXXXX ARKANSAS 1 BEGAN JUNE AT 81% POWER FOR FUEL CONSERVATION AND
 * SUMMARY * SUBSEQUENTLY INCURRED FOUR POWER REDUCTIONS FOR REASONS
 XXXXXXXXXXXXX STATED ABOVE.

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)

* ARKANSAS 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE..... ARKANSAS

COUNTY..... POPE

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

TYPE OF REACTOR..... PWR

DATE INITIAL CRITICALITY... AUGUST 6, 1974

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

DATE COMMERCIAL OPERATE... DECEMBER 19, 1974

CONDENSER COOLING METHOD... ONCE THRU

CONDENSER COOLING WATER... DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL..... SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE..... ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER..... BECHTEL

NUC STEAM SYS SUPPLIER... BABCOCK & WILCOX

CONSTRUCTOR..... BECHTEL

TURBINE SUPPLIER..... WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE..... IV

IE RESIDENT INSPECTOR..... B. JOHNSON

LICENSING PROJ MANAGER..... C. HARBUCK
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 APRIL 11-15, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION INCLUDING MANAGEMENT EFFECTIVENESS, AUDITS, TESTING AND MAINTENANCE, COMPENSATORY MEASURES, ACCESS CONTROL-PACKAGES, ACCESS CONTROL-VEHICLES, SECURITY TRAINING AND QUALIFICATIONS, AND THE PROTECTION OF SAFEGUARDS INFORMATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED MAY 1-31, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION INCLUDING PLANT STATUS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, AND SURVEILLANCE. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED MAY 9-12, 1988 (88-16) ROUTINE, ANNOUNCED INSPECTION OF REVIEW OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM. IN PARTICULAR, THE NRC INSPECTOR REVIEWED THE REVISED EMERGENCY ACTION LEVELS (EALS), AND THE TRAINING AND PROFICIENCY OF PERSONNEL IN USING THEM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 16-20, 1988 (88-19) ROUTINE, UNANNOUNCED INSPECTION OF IMPLEMENTATION OF AND COMPLIANCE TO THE FIRE PROTECTION/PREVENTION PROGRAM AND REVIEW OF ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL TLDV IN ACCORDANCE WITH SEC. 1.6 OF PSP. FAILURE TO CONTROL TLDV IN ACCORDANCE WITH SEC. 1.6 OF PSP.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ARKANSAS 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ONE REACTOR COOLANT PUMP OUT OF SERVICE

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: MAY 31, 1988

INSPECTION REPORT NO: 88-15

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: 50-368 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2815

5. Nameplate Rating (Gross MWe): 943

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>72,455.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,084.0</u>	<u>51,851.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>1,941.0</u>	<u>50,334.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>2,015,729</u>	<u>5,161,898</u>	<u>130,019,455</u>
18. Gross Elec Ener (MWH)	<u>662,850</u>	<u>1,704,430</u>	<u>42,703,841</u>
19. Net Elec Ener (MWH)	<u>633,628</u>	<u>1,606,989</u>	<u>40,626,486</u>
20. Unit Service Factor	<u>100.0</u>	<u>44.4</u>	<u>69.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>44.4</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>42.9</u>	<u>65.4</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>40.3</u>	<u>61.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>50.7</u>	<u>8,366.7</u>

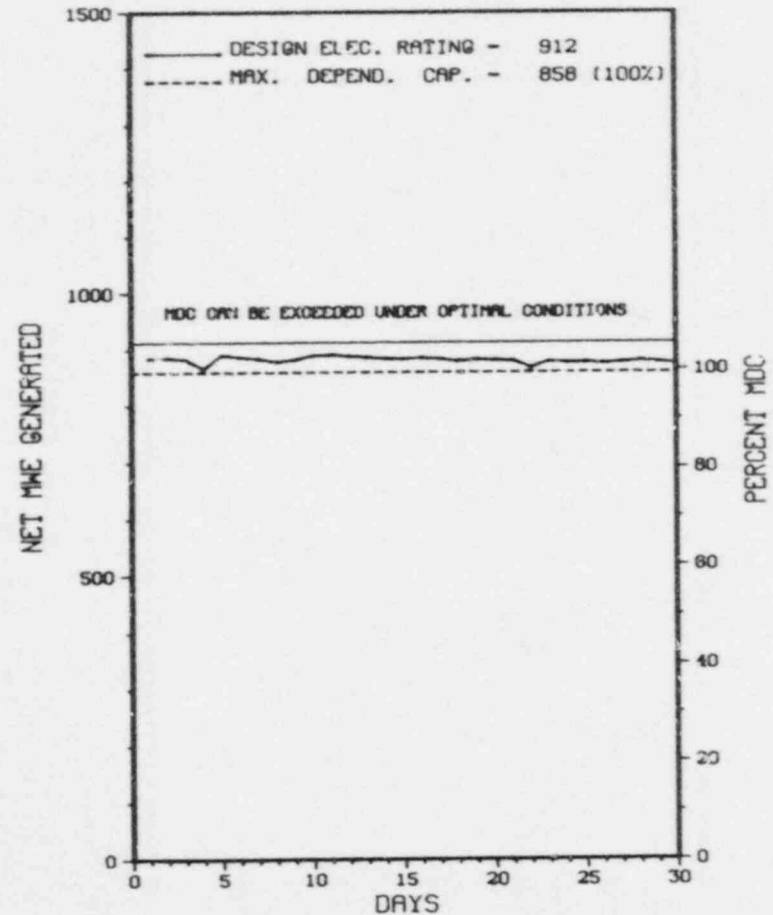
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * ARKANSAS 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ARKANSAS 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXX
 * SUMMARY *
 XXXXXXXXXXXX

ARKANSAS 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
 SIGNIFICANT POWER REDUCTIONS.

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 JUN 1988

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.....C. HARBUCK
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 APRIL 11-15, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION INCLUDING MANAGEMENT EFFECTIVENESS, AUDITS, TESTING AND MAINTENANCE, COMPENSATORY MEASURES, ACCESS CONTROL-PACKAGES, ACCESS CONTROL-VEHICLES, SECURITY TRAINING AND QUALIFICATIONS, AND THE PROTECTION OF SAFEGUARDS INFORMATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED MAY 2-6, 1988 (88-14) ROUTINE, UNANNOUNCED INSPECTION OF THE ANO, UNIT 2 STARTUP TESTING FROM REFUELING OUTAGE 2R6. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 1-31, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION INCLUDING PLANT STATUS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, PLANT STARTUP TESTING, AND EVENT FOLLOWUP. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 9-12, 1988 (88-16) ROUTINE, ANNOUNCED INSPECTION OF REVIEW OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM. IN PARTICULAR, THE NRC INSPECTOR REVIEWED THE REVISED EMERGENCY ACTION LEVELS (EALS), AND THE TRAINING AND PROFICIENCY OF PERSONNEL IN USING THEM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 16-20, 1988 (88-19) ROUTINE, UNANNOUNCED INSPECTION OF IMPLEMENTATION OF AND COMPLIANCE TO THE FIRE PROTECTION/PREVENTION PROGRAM AND REVIEW OF ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: APRIL 22, 1988

INSPECTION REPORT NO: 50-368/88-13

REPORTS FROM LICENSEE

```

=====
NUMBER   DATE OF    DATE OF    SUBJECT
        EVENT     REPORT
-----
88-03   03/10/88  04/11/88  UNPLANNED AUTOMATIC ACTUATION OF ENGINEERED SAFETY FEATURES DUE TO DEENERGIZING AN ELECTRICAL
        DISTRI-      BUTION SYSTEM VITAL POWER PANEL FOR MAINTENANCE.
88-06   04/02/88  04/21/88  CABLE SPREADING ROOM FIRE WATER SYSTEM REMOVED FROM SERVICE TO PREVENT INADVERTENT ACTUATION DUE
        TO CONSTRUCTION ACTIVITIES BEING PERFORMED IN AREA
=====

```

1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: P.A. SMITH (412) 393-7621

4. Licensed Thermal Power (Mwt): 2652

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

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>106,655.0</u>
13. Hours Reactor Critical	<u>628.4</u>	<u>2,862.0</u>	<u>62,050.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>622.2</u>	<u>2,795.2</u>	<u>60,449.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>1,577,195</u>	<u>7,068,768</u>	<u>143,986.078</u>
18. Gross Elec Ener (MWH)	<u>510,760</u>	<u>2,303,609</u>	<u>46,169,369</u>
19. Net Elec Ener (MWH)	<u>477,200</u>	<u>2,155,707</u>	<u>43,091,310</u>
20. Unit Service Factor	<u>86.4</u>	<u>64.0</u>	<u>59.0</u>
21. Unit Avail Factor	<u>86.4</u>	<u>64.0</u>	<u>59.0</u>
22. Unit Cap Factor (MDC Net)	<u>81.8</u>	<u>60.9</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>79.4</u>	<u>59.1</u>	<u>51.5</u>
24. Unit Forced Outage Rate	<u>13.6</u>	<u>3.7</u>	<u>19.1</u>
25. Forced Outage Hours	<u>97.8</u>	<u>105.9</u>	<u>19,147.3</u>

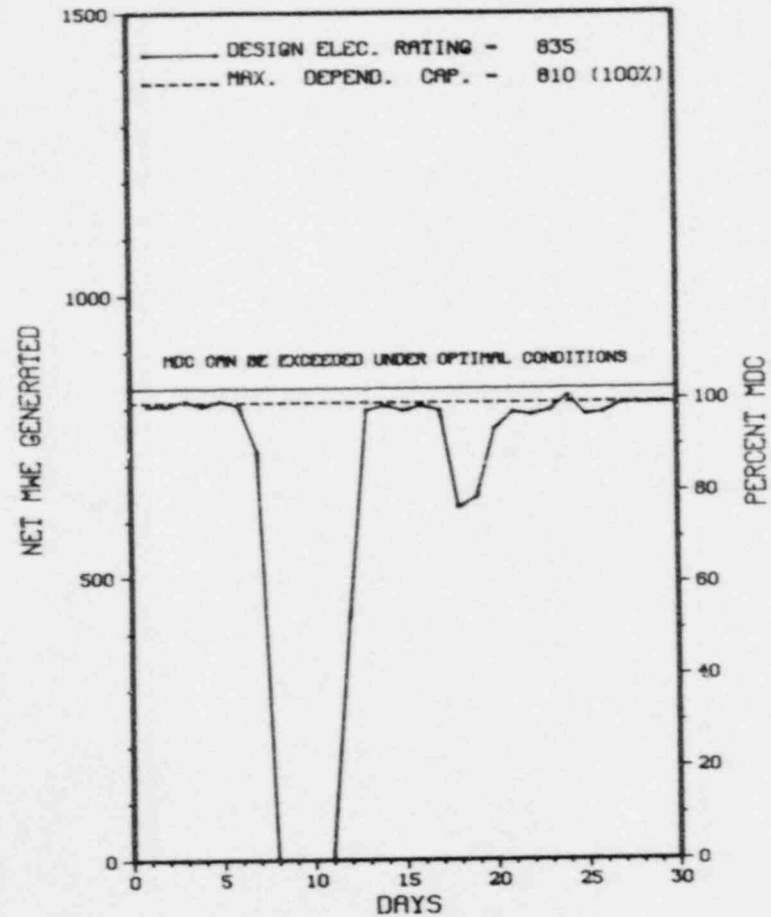
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X BEAVER VALLEY 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	06/07/88	F	28.0	A	3	88-007	CB	PUMPXX	UNIT TRIPPED WHEN THE 'C' REACTOR COOLANT PUMP WAS INADVERTENTLY TRIPPED.
15	06/09/88	F	63.4	A	3	88-008	CH	INSTRU	UNIT TRIPPED DURING STARTUP ON LO-LO LEVEL IN THE 'A' STEAM GENERATOR.
16	06/11/88	F	6.4	A	3	88-009	CH	INSTRU	UNIT TRIPPED DURING STARTUP ON LO-LO LEVEL IN THE 'A' STEAM GENERATOR.
17	06/17/88	S	0.0	B	5		HC	HTEXCH	THE UNIT'S OUTPUT WAS REDUCED TO 80% TO PERMIT CLEANING THE CONDENSER TUBES IN THE A & C WATERBOX OF THE UNIT'S MAIN CONDENSER.

 * SUMMARY *

 BEAVER VALLEY INCURRED 3 FORCED OUTAGES IN JUNE AND 1 SCHEDULED POWER REDUCTION 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)

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA
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 MET:OD...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.....J. BEALL
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
ALIQIPPA, PA 15001

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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

* BEAVER VALLEY 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 59-412 OPERATING STATUS
 2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
 3. Utility Contact: P. A. SMITH (412) 643-1825
 4. Licensed Thermal Power (MWh): 2652
 5. Nameplate Rating (Gross MWe): 923
 6. Design Electrical Rating (Net MWe): 836
 7. Maximum Dependable Capacity (Gross MWe): 885
 8. Maximum Dependable Capacity (Net MWe): 833
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>5,438.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,947.0</u>	<u>4,912.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. hrs Generator On-Line	<u>789.7</u>	<u>3,918.1</u>	<u>4,867.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,795,032</u>	<u>10,131,868</u>	<u>12,517,505</u>
18. Gross Elec Ener (MWH)	<u>574,200</u>	<u>3,278,900</u>	<u>4,061,100</u>
19. Net Elec Ener (MWH)	<u>542,965</u>	<u>3,100,161</u>	<u>5,838,265</u>
20. Unit Service Factor	<u>98.6</u>	<u>89.7</u>	<u>89.5</u>
21. Unit Avail Factor	<u>98.6</u>	<u>89.7</u>	<u>89.5</u>
22. Unit Cap Factor (MDC Net)	<u>90.5</u>	<u>85.2</u>	<u>84.7</u>
23. Unit Cap Factor (DER Net)	<u>90.2</u>	<u>84.9</u>	<u>84.4</u>
24. Unit Forced Outage Rate	<u>1.4</u>	<u>2.5</u>	<u>4.4</u>
25. Forced Outage Hours	<u>10.3</u>	<u>101.9</u>	<u>223.1</u>

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

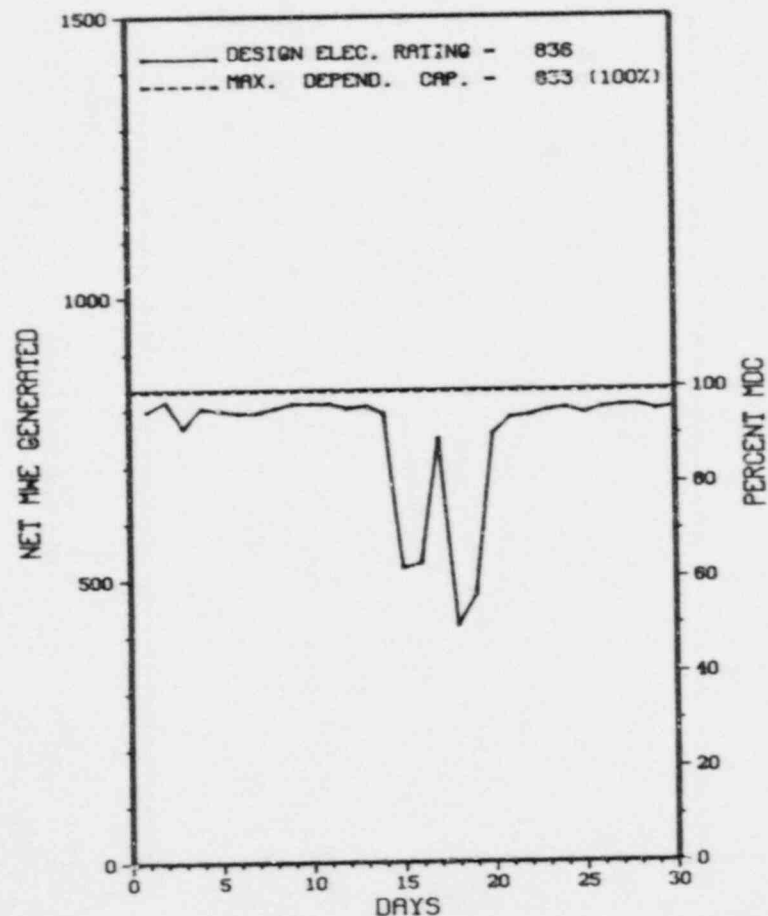
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * BEAVER VALLEY 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X BEAVER VALLEY 2 X
 XXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	06/15/88	F	10.3	A	1		HC	HTEXCH	REACTOR POWER WAS REDUCED TO 3% AND THE TURBINE WAS TAKEN OFF LINE DUE TO HIGH CONDENSER PRESSURE.
10	06/17/88	S	0.0	B	5		HC	HTEXCH	THE UNIT'S OUTPUT WAS REDUCED TO 50% TO PERMIT CONDENSER TUBE LEAK DETECTION AND TO PERFORM MAINTENANCE ON THE UNIT'S 'A' MAIN FEED PUMP.

XXXXXXXXXXXX BEAVER VALLEY 2 INCURRED 1 FORCED OUTAGE AND 1 SCHEDULED POWER
 * SUMMARY * REDUCTION IN JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* BEAVER VALLEY 2 *

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

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 4, 1987
DATE ELEC ENER 1ST GENER...AUGUST 17, 1987
DATE COMMERCIAL OPERATE...NOVEMBER 17, 1987
CONDENSER COOLING METHOD...HNDCT
CONDENSER COOLING WATER...OHIO RIVER
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT
CORPORATE ADDRESS.....435 SIXTH AVENUE
PITTSBURGH, PENNSYLVANIA 15219
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. BEALL
LICENSING PROJ MANAGER....P. TAM
DOCKET NUMBER.....50-412
LICENSE & DATE ISSUANCE...NPF-73, AUGUST 14, 1987
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

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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BEAVER VALLEY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. R. JOHNSTON (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>720.0</u>	<u>4,367.0</u>	<u>221,418.0</u>
13. Hours Reactor Critical	<u>35.0</u>	<u>2,222.6</u>	<u>158,056.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>18.7</u>	<u>2,159.7</u>	<u>155,294.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MHH)	<u>1,303</u>	<u>402,913</u>	<u>29,336,436</u>
18. Gross Elec Ener (MWH)	<u>376</u>	<u>131,327</u>	<u>9,303,161</u>
19. Net Elec Ener (MWH)	<u>287</u>	<u>124,017</u>	<u>8,797,259</u>
20. Unit Service Factor	<u>2.6</u>	<u>49.5</u>	<u>70.1</u>
21. Unit Avail Factor	<u>2.6</u>	<u>49.5</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>.6</u>	<u>41.2</u>	<u>59.0*</u>
23. Unit Cap Factor (DER Net)	<u>.6</u>	<u>39.4</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>68.8</u>	<u>8.7</u>	<u>13.5</u>
25. Forced Outage Hours	<u>41.3</u>	<u>204.6</u>	<u>12,311.3</u>

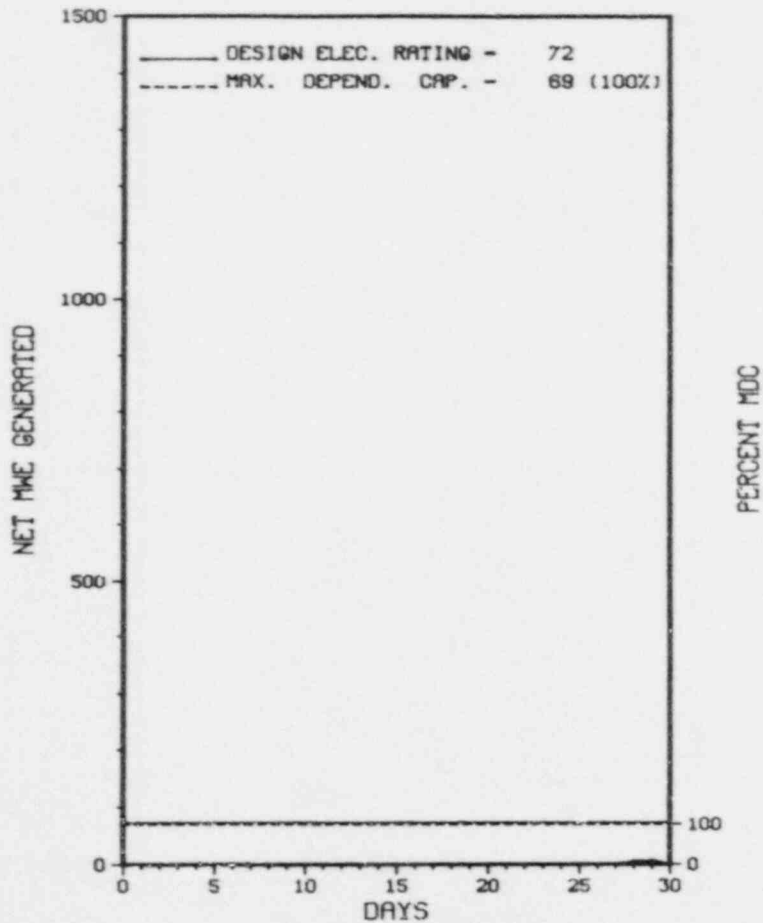
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/02/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



JUNE 1988

* Item calculated with a weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-09	04/08/88	S	660.0	C	4				THE UNIT WAS RETURNED TO SERVICE AT 12:00 HRS. AFTER COMPLETION OF THE 22ND REFUELING OUTAGE. (1,935.8 HR'S TOTAL)
88-10	06/29/88	F	41.3	A	1				DURING POWER ESCALATION, AFTER THE REFUELING OUTAGE, IT WAS FOUND THAT THE NEW WIDE RANGE MONITORING INSTRUMENTS (WRM'S) COULD NOT BE CALIBRATED TO INDICATE ACTUAL REACTOR POWER. AT THAT TIME, POWER ESCALATION WAS STOPPED AND THE PLANT COMMENCED AN ORDERLY SHUTDOWN OF THE REACTOR. THE UNIT WAS REMOVED FROM SERVICE AT 06:50 HRS, 06/29/88.

 * SUMMARY *

 BIG ROCK POINT COMPLETED REFUELING OUTAGE IN JUNE.
 SUBSEQUENTLY INCURRED FORCED OUTAGE FOR REASONS STATED 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BIG ROCK POINT 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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
LICENSEECONSUMERS 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.....W. SCOTT
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

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RDS VALVES CORROSION PROBLEM

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

Report Period JUN 1988

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

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

OTHER ITEMS

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: 06/07/88

INSPECTION REPORT NO: 88011

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
88-04	053188	061788	INFORMATIONAL LER - CONTROL OF LIMITORQUE OPERATOR LUBRICANTS

=====

1. Docket: 50-456 OPERATING STATUS
 2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
 3. Utility Contact: B. M. PEACOCK (815) 458-2801 EXT. 2480
 4. Licensed Thermal Power (Mwt): 3411
 5. Nameplate Rating (Gross MWe): _____
 6. Design Electrical Rating (Net MWe): 1120
 7. Maximum Dependable Capacity (Gross MWe): 1175
 8. Maximum Dependable Capacity (Net MWe): 1120
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>8,520.0</u>
13. Hours Reactor Critical	<u>649.5</u>	<u>1,642.5</u>	<u>4,702.2</u>
14. R _x Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>644.3</u>	<u>1,601.5</u>	<u>4,212.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,692,368</u>	<u>3,582,396</u>	<u>8,598,068</u>
18. Gross Elec Ener (MWH)	<u>585,485</u>	<u>1,237,875</u>	<u>2,842,479</u>
19. Net Elec Ener (MWH)	<u>558,028</u>	<u>1,159,399</u>	<u>2,616,050</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>.0</u>	<u>783.4</u>	<u>1,655.6</u>

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

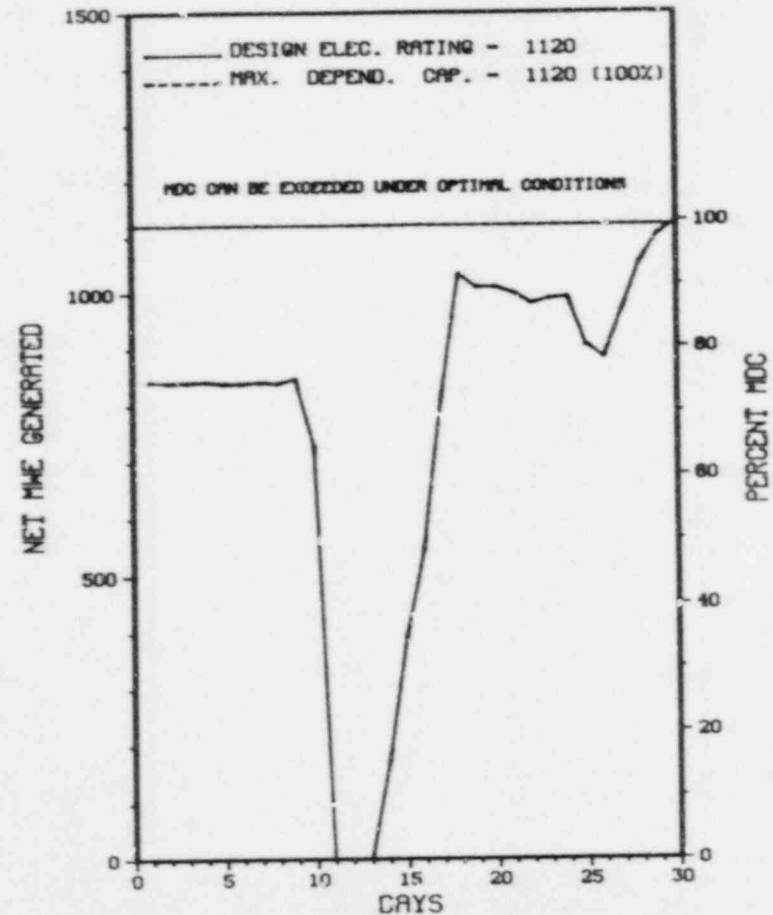
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X BRAIDWOOD 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* BRAIDWOOD 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
03	06/11/88	S	75.7	A	1			CLEAN MOVABLE INCORE DETECTOR TUBES.

* SUMMARY *

BRAIDWOOD 1 INCURRED 1 SCHEDULED OUTAGE IN JUNE FOR REASONS STATED ABOVE WHILE PROCEEDING IN THE STARTUP TEST PROGRAM.

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)

* BRAIDWOOD 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....WILL
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI SSW OF
JOLIET, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 29, 1987
DATE ELEC ENER 1ST GENER...JULY 12, 1987
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC ART
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...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....L. MCGREGOR
LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-456
LICENSE & DATE ISSUANCE...NPF-72, JULY 2, 1987
PUBLIC DOCUMENT ROOMHEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 29 THROUGH MAY 4 (88005; 88306): SPECIAL, ANNOUNCED SAFETY INSPECTION OF THE ENVIRONMENTAL QUALIFICATION (EQ) OF ELECTRIC EQUIPMENT WITHIN THE SCOPE OF 10 CFR 50.49. THE INSPECTION INCLUDED LICENSEE ACTION ON SERVICE COMMITMENTS; EQ PROGRAM COMPLIANCE TO 10 CFR 50.49; ADEQUACY OF EQ DOCUMENTATION; AND A PLANT PHYSICAL INSPECTION OF EQ EQUIPMENT (MODULES NO. 30703 AND NO. 25576). THE LICENSEE HAS NOT ADEQUATELY IMPLEMENTED THEIR PROGRAM TO MEET THE REQUIREMENTS OF 10 CFR 50.49.

INSPECTION FROM APRIL 10 THROUGH MAY 28 (88013; 88014): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND REGION-BASED INSPECTORS OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS; LICENSEE EVENT REPORT REVIEW; STARTUP TEST OBSERVATION; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL PROTECTION; ENGINEERED SAFETY FEATURE SYSTEMS; PHYSICAL SECURITY; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; INOPERABILITY OF OB CONTROL ROOM CHILLER; CONFIRMATORY ACTION LETTERS; ISSUANCE OF UNIT 2 FULL POWER LICENSE; INCREASED CONTROL ROOM AND PLANT OBSERVATIONS; TRAINING EFFECTIVENESS; INITIAL SYNCHRONIZATION TO THE GRID OF UNIT 2; AND REPORT REVIEW. OF THE SIXTEEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN FOURTEEN. IN THE REMAINING AREAS TWO VIOLATIONS WERE IDENTIFIED, ONE REGARDING A MISSED SURVEILLANCE REQUIRING THE USE OF MOVEABLE INCORE DETECTORS (MIDS) AND THE OTHER CONCERNING THE INOPERABILITY OF THE OB CONTROL ROOM CHILLER.

INSPECTION ON MAY 24-26, 31 THROUGH JUNE 2 (88017; 88017): ROUTINE, UNANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING: PLANT CHEMISTRY, ORGANIZATION, MANAGEMENT CONTROLS, TRAINING, AND QUALIFICATIONS (IP 83722 83723); AND QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR INPLANT RADIOCHEMICAL ANALYSES (IP 84725). AN EXTENSIVE ORGANIZATIONAL CHANGE IS IN
PAGE 2-024

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BRAIDWOOD 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

PROGRESS. THE CHANGE WILL REQUIRE AN INCREASE IN MANPOWER AND HAS THE POTENTIAL TO IMPROVE THE LICENSEE'S CHEMISTRY AND RADIOCHEMISTRY PROGRAM. A SIGNIFICANT MANAGEMENT ERROR IN JUDGEMENT RELATED TO A VIOLATION WAS NOTED. ONE VIOLATION (CALIBRATING GAMMA SPECTROSCOPY SYSTEMS ON A NUMBER OF OCCASIONS WITH A SOURCE HAVING AN EXPIRED DATE) AND NO DEVIATIONS WERE NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BRAIDWOOD 1 OPERATING IN THE STARTUP TEST PROGRAM UP TO 100% RATED POWER

LAST IE SITE INSPECTION DATE: 06/20/88

INSPECTION REPORT NO: 88020

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
88-13	060988	063088	LOST COMPOSITE SAMPLES DUE TO PROGRAMATIC DEFICIENCY

1. Docket: 50-457 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: M. W. PETERSON

4. Licensed Thermal Power (MWh): 3411

5. Nameplate Rating (Gross MWe): _____

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 0

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

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

11. Reasons for Restrictions, If Any: _____

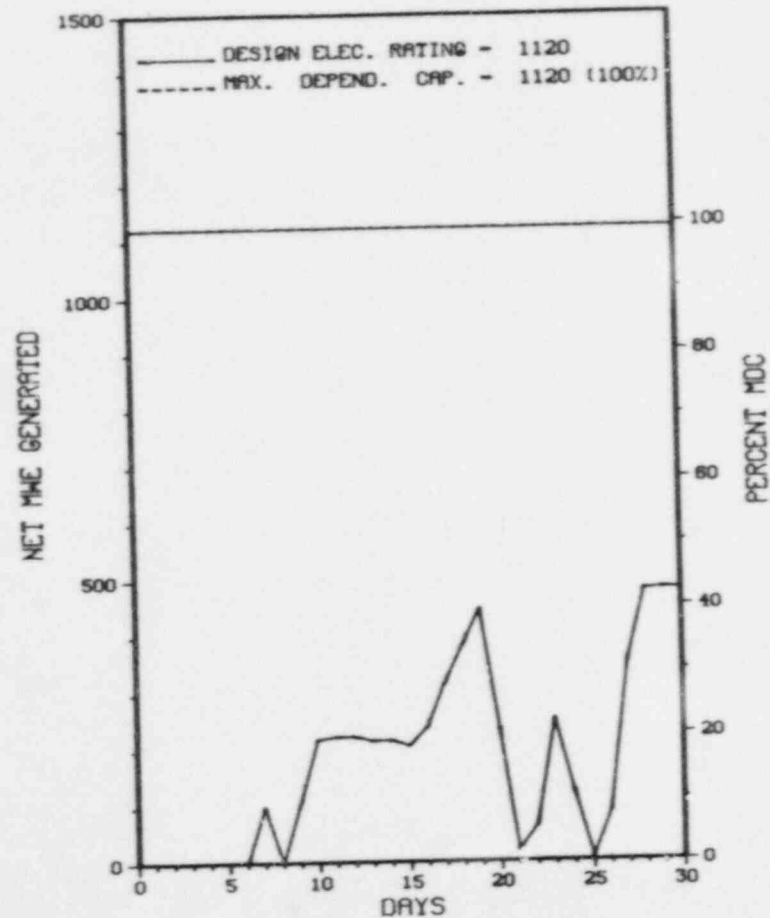
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>867.4</u>	<u>867.4</u>
13. Hours Reactor Critical	<u>540.6</u>	<u>688.0</u>	<u>688.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>449.2</u>	<u>544.2</u>	<u>544.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>533,248</u>	<u>649,321</u>	<u>649,321</u>
18. Gross Elec Ener (MWH)	<u>141,806</u>	<u>155,178</u>	<u>155,178</u>
19. Net Elec Ener (MWH)	<u>130,677</u>	<u>143,680</u>	<u>143,680</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>123.5</u>	<u>123.5</u>	<u>123.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

XX
 * BRAIDWOOD 2 *
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BRAIDWOOD 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02	05/31/88	S	147.3	B	4				CONTINUED FROM PREVIOUS MONTH.
03	06/07/88	F	36.3	H	1	88-011	BQ	MO	VALVE MOTOR NOT ENVIRONMENTALLY QUALIFIED. MOTOR WAS REPLACED.
04	06/20/88	F	31.1	B	3	88-012	EA	50	UNIT AUXILIARY TRANSFORMER OVERCURRENT GENERATOR TRIP. RELAY TEST SWITCH WAS REPLACED.
05	06/22/88	F	13.1	H	3	88-014	JB	V	LO LO STEAM GENERATOR LEVEL (LOOP D). FEEDWATER REGULATING VALVE WAS REPAIRED. LINE VIBRATION BEING MONITORED.
06	06/24/88	F	20.2	A	3	88-016	SI	V	LO LO STEAM GENERATOR LEVEL (LOOP B). HEATER DRAIN TANK MAKE UP VALVE WAS REPAIRED.
07	06/25/88	F	22.8	A	1				RUPTURED HEATER DRAIN TANK RUPTURE DISK. DISK WAS REPLACED.

 * SUMMARY *

 BRAIDWOOD 2 ENTERED JUNE SHUTDOWN. SUBSEQUENTLY RETURNED TO POWER.
 INCURRED 5 FORCED OUTAGES FOR REASONS STATED ABOVE WHILE
 PROCEEDING WITH ITS START UP TEST PROGRAM.

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)

* BRAIDWOOD 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....WILL
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI SSW OF
JOLIET, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 8, 1988
DATE ELEC ENER 1ST GENER...MAY 25, 1988
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CCART
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...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....L. MCGREGOR
LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-457
LICENSE & DATE ISSUANCE...NPF-77, MAY 20, 1988
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BRAIDWOOD 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>121,993.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</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>0</u>	<u>167,963,338</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>55,398,130</u>
19. Net Elec Ener (MWH)	<u>-4,718</u>	<u>-18,681</u>	<u>53,649,232</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>47.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>47.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>41.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>41.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>43.6</u>
25. Forced Outage Hours	<u>720.0</u>	<u>4,367.0</u>	<u>45,065.1</u>

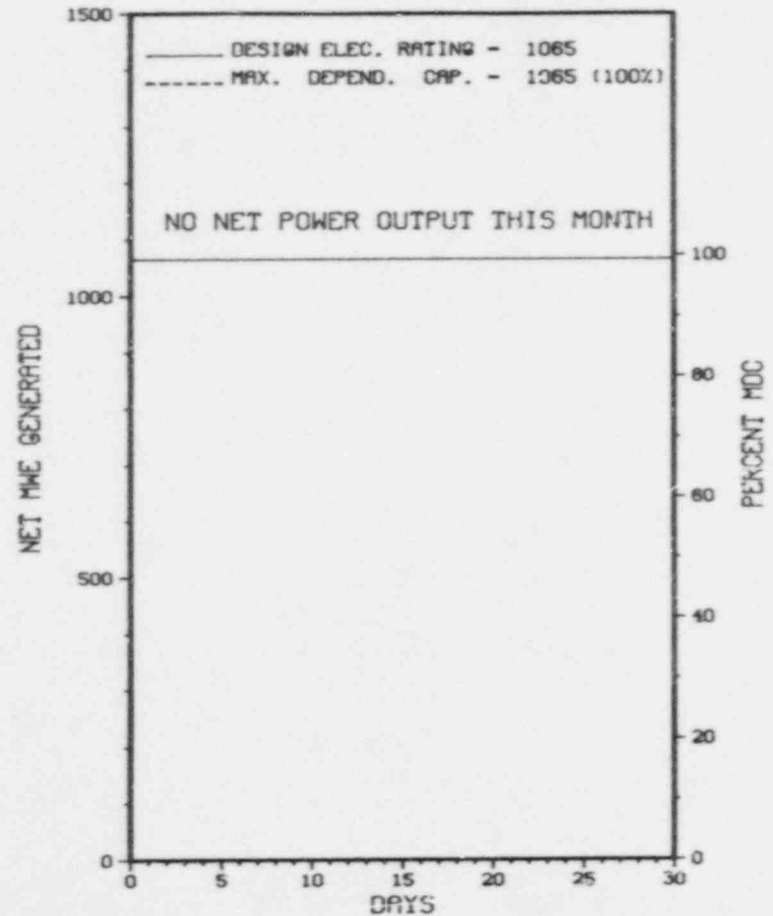
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



JUNE 1988

Report Period JUN 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	F	720.0	F	4			ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

* SUMMARY *

BROWN'S FERRY 1 REMAINED ON ADMINISTRATIVE HOLD IN JUNE IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

* BROWNS FERRY 1 *

FACILITY DATA

Report Period JUN 1988

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.....J. GEARS
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 APRIL 1-30 (88-10): THIS ROUTINE INSPECTION WAS IN THE AREAS OF Q-LIST, OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, RESTART TEST PROGRAM, PERSONAL DOSIMETRY, AND FUEL RECONSTITUTION. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO HAVE AN ADEQUATE ADMINISTRATIVE PROCEDURE FOR CONTROLLING THE PREPARATION OF LICENSING DOCUMENTS.

INSPECTION MAY 9-13 (88-14): THIS WAS A ROUTINE, ANNOUNCED, ONSITE HEALTH PHYSICS INSPECTION IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ISSUES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL, LICENSEE'S PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLY ACHIEVABLE, SOLID WASTE, TRANSPORTATION, FOLLOWUP ON TMI ACTION ITEMS, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS AND FOLLOWUP ON NRC INFORMATION NOTICES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-10 (88-15): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF ULTRASONIC EXAMINATION OF UNIT 2 REACTOR VESSEL SHROUD ACCESS COVERS AS REFERENCED IN NRC INFORMATION NOTICE NO. 88-03 AND UNIT 3, LICENSEE EVENT REPORTS. THE LICENSEE AND THEIR VENDOR (GENERAL ELECTRIC) PERFORMED OUTSTANDINGLY, DURING THIS INSPECTION. COMPREHENSIVE CORRECTIVE ACTION HAD BEEN TAKEN ON THE INSPECTOR'S PREVIOUS FINDING (VIOLATION 50-260/88-06-01, FAILURE TO FOLLOW PROCEDURE FOR PREVENTION OF FOREIGN MATERIAL IN REACTOR VESSEL CAVITY). A PROCEDURE HAD BEEN WRITTEN FOR THE INSPECTION AND ACCOUNTABILITY OF PARTS FOR THE ULTRASONIC SCANNER. THE ULTRASONIC PROCEDURE HAD BEEN REVISED TO SPECIFICALLY ADDRESS THE IMMERSION EXAMINATION AND SIZING METHODS. THE EXAMINATION PERSONNEL HAD SUCCESSFULLY CONDUCTED A PERFORMANCE DEMONSTRATION FOR THE LICENSEE IN SAN JOSE, CALIFORNIA, ON KNOWN REFLECTORS USING THE NEW PROCEDURES. MAXIMUM EFFICIENCY WAS DEMONSTRATED BY THE NEW FULLY AUTOMATIC SCANNER

INSPECTION SUMMARY

AND ASSOCIATED EQUIPMENT. PRE-JOB BRIEFINGS WERE INFORMATIVE AND ALLOWED PERSONNEL TO ASK QUESTIONS CONCERNING ANY UNCERTAINTY AS RELATED TO THEIR JOB RESPONSIBILITIES. EVALUATION OF TEST DATA WERE SOUND: LEVEL III EXAMINERS WERE PROFESSIONALLY AND TECHNICALLY ADEQUATE IN RESPONDING TO THE INSPECTOR'S INQUIRIES CONCERNING THE RECORDED DATA. DURING THE 48 HOURS THAT THE EXAMINATIONS WERE IN PROCESS, ALL PERSONNEL ASSOCIATED WITH THE EXAMINATIONS (OPERATIONS, CRAFT, VESSEL WORKERS, SUPERVISORS, QUALITY ASSURANCE, NONDESTRUCTIVE EXAMINATION PERSONNEL, CRANE OPERATORS, HEALTH PHYSICIST, AND EQUIPMENT ACCOUNTABILITY PERSONNEL) PERFORMED IN AN OUTSTANDING MANNER. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.2, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PORC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED.
(8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.5.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.5.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTROL FORM (TACF) NUMBER 3-88-001-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGINAL TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-101-64, AND 2-85-039-064.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BROWNS FERRY 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

NOTE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: JULY 15, 1988 +

INSPECTION REPORT NO: 50-259/88-22 +

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
88-015	05/08/88	06/03/88	FAILURE TO MONITOR OFF-GAS STACK EFFLUENTS DUE TO PROCEDURAL INADEQUACY AND PERSONNEL ERROR.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

4. Licenced Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>116,904.0</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>14,209.4</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 Thermal 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>-2,248</u>	<u>-12,107</u>	<u>49,171,726</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>46.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>46.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>39.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>39.5</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>43.0</u>
25. Forced Outage Hours	<u>720.0</u>	<u>4,367.0</u>	<u>41,120.4</u>

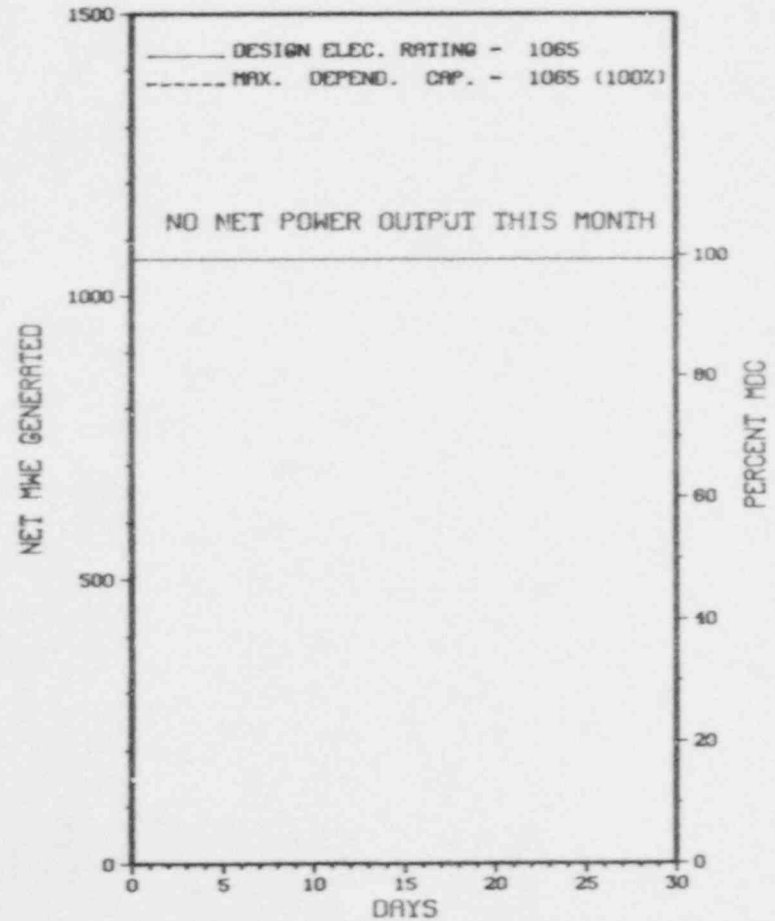
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

X BROWNS FERRY 2 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



JUNE 1988

Report Period JUN 1988

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	F	720.0	F	4			ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

 * SUMMARY *

 BROWNS FERRY 2 REMAINED ON ADMINISTRATIVE HOLD IN JUNE IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

* BROWNS FERRY 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTOKE
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.....J. GEARS
DOCKET NUMBER.....50-260
LICENSE & DATE ISSUANCE...DPR-52, AUGUST 2, 1974
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 1-30 (88-10): THIS ROUTINE INSPECTION WAS IN THE AREAS OF Q-LIST, OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, RESTART TEST PROGRAM, PERSONAL DOSIMETRY, AND FUEL RECONSTITUTION. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO HAVE AN ADEQUATE ADMINISTRATIVE PROCEDURE FOR CONTROLLING THE PREPARATION OF LICENSING DOCUMENTS.

INSPECTION MAY 9-13 (88-14): THIS WAS A ROUTINE, ANNOUNCED, ONSITE HEALTH PHYSICS INSPECTION IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ISSUES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL, LICENSEE'S PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLY ACHIEVABLE, SOLID WASTE, TRANSPORTATION, FOLLOWUP ON TMI ACTION ITEMS, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS AND FOLLOWUP ON NRC INFORMATION NOTICES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-10 (88-15): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF ULTRASONIC EXAMINATION OF UNIT 2 REACTOR VESSEL SHROUD ACCESS COVERS AS REFERENCED IN NRC INFORMATION NOTICE NO. 88-03 AND UNIT 3, LICENSEE EVENT REPORTS. THE LICENSEE AND THEIR VENDOR (GENERAL ELECTRIC GE) PERFORMED OUTSTANDINGLY, DURING THIS INSPECTION. COMPREHENSIVE CORRECTIVE ACTION HAD BEEN TAKEN ON THE INSPECTOR'S PREVIOUS FINDING (VIOLATION 50-260/88-06-01, FAILURE TO FOLLOW PROCEDURE FOR PREVENTION OF FOREIGN MATERIAL IN REACTOR VESSEL CAVITY). A PROCEDURE HAD BEEN WRITTEN FOR THE INSPECTION AND ACCOUNTABILITY OF PARTS FOR THE ULTRASONIC SCANNER. THE ULTRASONIC PROCEDURE HAD BEEN REVISED TO SPECIFICALLY ADDRESS THE IMMERSION EXAMINATION AND SIZING METHODS. THE EXAMINATION PERSONNEL HAD SUCCESSFULLY CONDUCTED A PERFORMANCE DEMONSTRATION FOR THE LICENSEE IN SAN JOSE, CALIFORNIA, ON KNOWN REFLECTORS USING THE NEW PROCEDURES. MAXIMUM EFFICIENCY WAS DEMONSTRATED BY THE NEW FULLY AUTOMATIC SCANNER

INSPECTION SUMMARY

AND ASSOCIATED EQUIPMENT. PRE-JOB BRIEFINGS WERE INFORMATIVE AND ALLOWED PERSONNEL TO ASK QUESTIONS CONCERNING ANY UNCERTAINTY AS RELATED TO THEIR JOB RESPONSIBILITIES. EVALUATION OF TEST DATA WERE SOUND: LEVEL III EXAMINERS WERE PROFESSIONALLY AND TECHNICALLY ADEQUATE IN RESPONDING TO THE INSPECTOR'S INQUIRIES CONCERNING THE RECORDED DATA. DURING THE 48 HOURS THAT THE EXAMINATIONS WERE IN PROCESS, ALL PERSONNEL ASSOCIATED WITH THE EXAMINATIONS (OPERATIONS, CRAFT, VESSEL WORKERS, SUPERVISORS, QUALITY ASSURANCE, NONDESTRUCTIVE EXAMINATION PERSONNEL, CRANE OPERATORS, HEALTH PHYSICIST, AND EQUIPMENT ACCOUNTABILITY PERSONNEL) PERFORMED IN AN OUTSTANDING MANNER. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.1, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PORC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED. CONTRARY TO 10 CFR, APPENDIX B, CRITERION X, THE REQUIREMENT WAS NOT MET ON NOVEMBER 20, 1987 WHEN A CHECK VALVE IN THE EMERGENCY EQUIPMENT COOLING WATER SYSTEM (EECW) WAS IMPROPERLY INSTALLED DURING THE PERFORMANCE OF MAINTENANCE REQUEST (MR) NUMBER 792717. VALVE NUMBER 2-67-659 WAS FOUND TO BE INSTALLED BACKWARDS ON MARCH 15, 1988. RESEARCH INDICATED THAT THE LAST ACTIVITY PERFORMED ON THE VALVE WAS MR-792717. NO INSPECTION WAS PERFORMED AND DOCUMENTED TO VERIFY PROPER ORIENTATION OF THE CHECK VALVE FOLLOWING THE MAINTENANCE ACTIVITY. WORK INSTRUCTIONS OF THE MR EXPLICITLY STATED TO REINSTALL THE VALVE IN THE PROPER ORIENTATION. REVERSAL OF THIS CHECK VALVE PREVENTED THE SUPPLY OF EECW TO THE RESIDUAL HEAT REMOVAL (RHR) PUMP SEAL COOLER AND THE RHR PUMP ROOM COOLER FROM THE NORTH EECW HEADER. (8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.B.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.B.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTROL FORM (TACF) NUMBER 3-88-001-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGINAL TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-101-64, AND 2-85-039-064. (8800 5)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1984 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 15, 1988 +

INSPECTION REPORT NO: 50-260/88-22 +

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
88-001	05/10/88	06/07/88	UNPLANNED DIESEL GENERATOR START DUE TO INSULATING BOOT FALLING OFF LOGIC RELAY CONTACT ARM.
88-002	05/26/88	06/24/88	TRIP OF REACTOR PROTECTION SYSTEM BUS 2B FEEDER BREAKER INITIATES ENGINEERED SAFETY FEATURES.
88-003	05/27/88	06/24/88	RUST FOUND IN LOWER CONTAINMENT SPRAY HEADER DUE TO LEAKING ISOLATION VALVES.

```
=====
```

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

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): 1065

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>99,359.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.5</u>	<u>45,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,149.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.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>0</u>	<u>131,846,076</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>43,473,760</u>
19. Net Elec Ener (MWH)	<u>-1,652</u>	<u>-14,058</u>	<u>42,028,010</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>44.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>44.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>33.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>39.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>44.3</u>
25. Forced Outage Hours	<u>720.0</u>	<u>4,367.0</u>	<u>35,104.4</u>

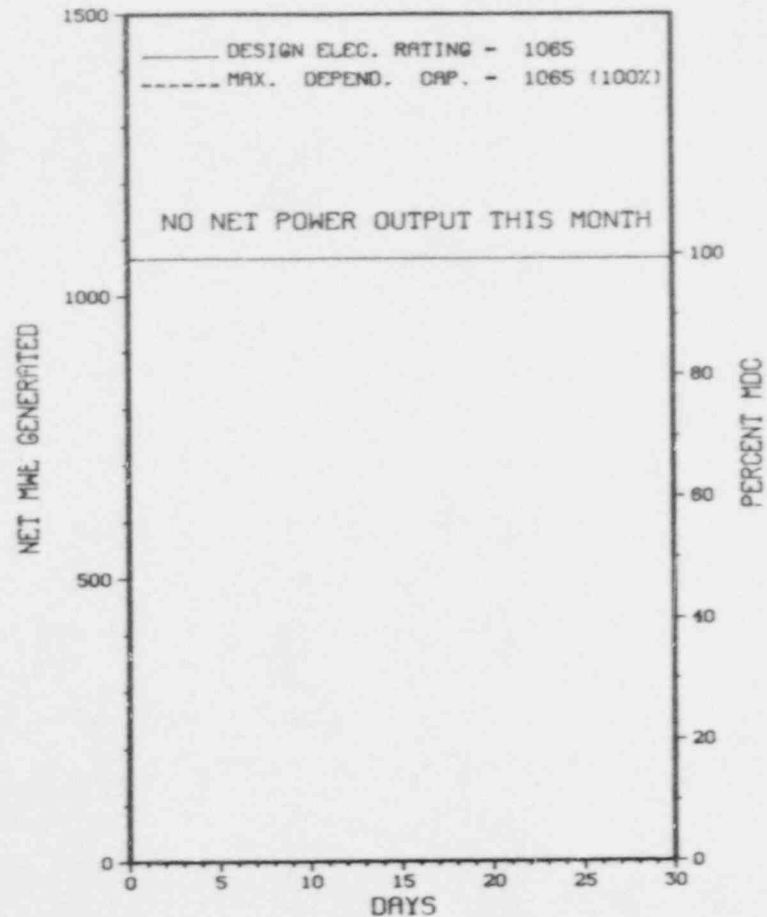
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BROWNS FERRY 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
157	03/03/85	F	720.0	F	4				ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

* SUMMARY *

BROWN'S FERRY 3 REMAINED ON ADMINISTRATIVE HOLD IN JUNE IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

* BROWNS FERRY 3 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 1-30 (88-10): THIS ROUTINE INSPECTION WAS IN THE AREAS OF Q-LIST, OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, RESTART TEST PROGRAM, PERSONAL DOSIMETRY, AND FUEL RECONSTITUTION. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO HAVE AN ADEQUATE ADMINISTRATIVE PROCEDURE FOR CONTROLLING THE PREPARATION OF LICENSING DOCUMENTS.

INSPECTION MAY 9-13 (88-14): THIS WAS A ROUTINE, ANNOUNCED, ONSITE HEALTH PHYSICS INSPECTION IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ISSUES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL, LICENSEE'S PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLY ACHIEVABLE, SOLID WASTE, TRANSPORTATION, FOLLOWUP ON TMI ACTION ITEMS, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS AND FOLLOWUP ON NRC INFORMATION NOTICES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-10 (88-15): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF ULTRASONIC EXAMINATION OF UNIT 2 REACTOR VESSEL SHROUD ACCESS COVERS AS REFERENCED IN NRC INFORMATION NOTICE NO. 88-03 AND UNIT 3, LICENSEE EVENT REPORTS. THE LICENSEE AND THEIR VENDOR (GENERAL ELECTRIC GE) PERFORMED OUTSTANDINGLY, DURING THIS INSPECTION. COMPREHENSIVE CORRECTIVE ACTION HAD BEEN TAKEN ON THE INSPECTOR'S PREVIOUS FINDING (VIOLATION 50-260/88-06-01, FAILURE TO FOLLOW PROCEDURE FOR PREVENTION OF FOREIGN MATERIAL IN REACTOR VESSEL CAVITY). A PROCEDURE HAD BEEN WRITTEN FOR THE INSPECTION AND ACCOUNTABILITY OF PARTS FOR THE ULTRASONIC SCANNER. THE ULTRASONIC PROCEDURE HAD BEEN REVISED TO SPECIFICALLY ADDRESS THE IMMERSION EXAMINATION AND SIZING METHODS. THE EXAMINATION PERSONNEL HAD SUCCESSFULLY CONDUCTED A PERFORMANCE DEMONSTRATION FOR THE LICENSEE IN SAN JOSE, CALIFORNIA, ON KNOWN REFLECTORS USING THE NEW PROCEDURES. MAXIMUM EFFICIENCY WAS DEMONSTRATED BY THE NEW POLLY AUTOMATIC SCANNER
PAGE 2-044

INSPECTION SUMMARY

AND ASSOCIATED EQUIPMENT. PRE-JOB BRIEFINGS WERE INFORMATIVE AND ALLOWED PERSONNEL TO ASK QUESTIONS CONCERNING ANY UNCERTAINTY AS RELATED TO THEIR JOB RESPONSIBILITIES. EVALUATION OF TEST DATA WERE SOUND: LEVEL III EXAMINERS WERE PROFESSIONALLY AND TECHNICALLY ADEQUATE IN RESPONDING TO THE INSPECTOR'S INQUIRIES CONCERNING THE RECORDED DATA. DURING THE 48 HOURS THAT THE EXAMINATIONS WERE IN PROCESS, ALL PERSONNEL ASSOCIATED WITH THE EXAMINATIONS (OPERATIONS, CRAFT, VESSEL WORKERS, SUPERVISORS, QUALITY ASSURANCE, NONDESTRUCTIVE EXAMINATION PERSONNEL, CRANE OPERATORS, HEALTH PHYSICIST, AND EQUIPMENT ACCOUNTABILITY PERSONNEL) PERFORMED IN AN OUTSTANDING MANNER. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.1, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PROC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED. (8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.B.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.B.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTROL FORM (TACF) NUMBER 3-88-001-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGINAL TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-101-64, AND 2-85-039-064. (8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

* BROWNS FERRY 3 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

LAST IE SITE INSPECTION DATE: JULY 15, 1988 +

INSPECTION REPORT NO: 50-296/88-22 +

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
88-016	03/20/88	06/28/88	PERSONNEL ERROR RESULTED IN A VIOLATION OF TECHNICAL SPECIFICATIONS.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

4. Licensed Thermal Power (MWh): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>98,952.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,667.6</u>	<u>64,605.3</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,580.2</u>	<u>61,440.9</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>1,681,863</u>	<u>8,388,379</u>	<u>130,367,915</u>
18. Gross Elec Ener (MWh)	<u>546,730</u>	<u>2,758,640</u>	<u>42,868,187</u>
19. Net Elec Ener (MWh)	<u>529,368</u>	<u>2,671,106</u>	<u>41,250,238</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.0</u>	<u>62.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.0</u>	<u>62.1</u>
22. Unit Cap Factor (MDC Net)	<u>93.1</u>	<u>77.4</u>	<u>52.8</u>
23. Unit Cap Factor (DER Net)	<u>89.6</u>	<u>74.5</u>	<u>50.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,619.7</u>

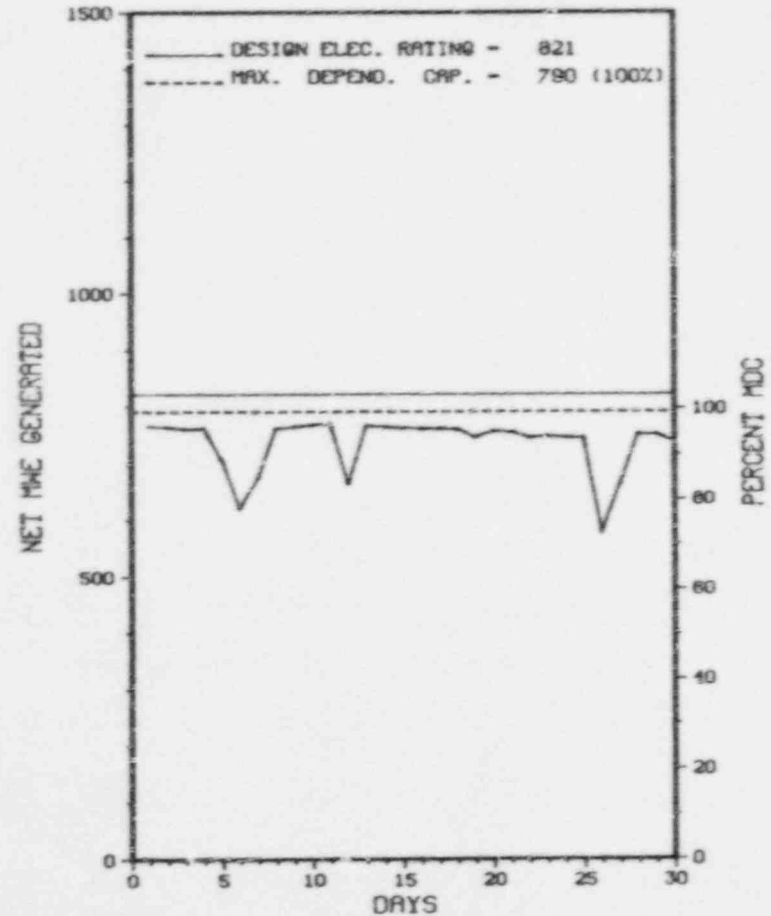
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BRUNSWICK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X BRUNSWICK 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88039	06/05/88	S	0.0	B	5				CONTROL ROD PATTERN CHANGE AND FUEL PRECONDITIONING.
88041	06/06/88	F	0.0	D	5				PER TECHNICAL SPECIFICATIONS, REDUCED POWER TO CORRECT RCIC SETPOINT. MAINTAINED REDUCED POWER FOR LOAD FOLLOWING.
88043	06/08/88	S	0.0	B	5				CONTROL ROD PATTERN CHANGE.
88044	06/12/88	S	0.0	B	5				CONTROL ROD PATTERN CHANGE AND FUEL PRECONDITIONING.
88047	06/26/88	S	0.0	B	5				CONTROL ROD PATTERN CHANGE AND FUEL PRECONDITIONING.
88049	06/27/88	F	0.0	H	5				REDUCE POWER DUE TO TRANSMISSION LINE INSTABILITY AND FUEL PRECONDITIONING.
88051	06/30/88	F	0.0	A	5				REDUCE POWER DUE TO HIGH OFF-GAS IN TURBINE BUILDING.

XXXXXXXXXX BRUNSWICK 1 INCURRED 7 POWER REDUCTIONS IN JUNE FOR REASONS STATED
 * SUMMARY * ABOVE.
 XXXXXXXXXXXXX

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period JUN 1988

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 15% 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....B. BUCKLEY
DOCKET NUMBER.....50-525
LICENSE & DATE ISSUANCE...DPR-71, NOVEMBER 12, 1976
PUBLIC DOCUMENT ROOM.....RANDALL LIBRARY
UNIV OF N.C. AT WILMINGTON
601 S. COLLEGE ROAD
WILMINGTON, N. C. 28403

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 1 - JUNE 4 (88-18): THIS ROUTINE SAFETY INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE LICENSEE EVENT REPORT (LER) REVIEW, IN OFFICE LER REVIEW, FOLLOWUP ON INSPECTOR IDENTIFIED AND UNRESOLVED ITEMS, STANDBY GAS TREATMENT (SBGT) SILICON CONTROLLED RECTIFIER (SCR) CONTROLLERS, AND INADVERTENT HEATUP. IN THE AREAS INSPECTED, 4 VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW A PLANT MODIFICATION TEST PROCEDURE; WITHDRAWAL OF A CONTROL ROD DURING CONDITION 5 WITH THE REACTOR PROTECTION SYSTEM (RPS) SHORTING LINKS INSTALLED; FAILURE TO ADEQUATELY CONTROL REACTOR COOLANT SYSTEM TEMPERATURE; AND HIGH PRESSURE COOLANT INJECTION (HPCI)/ REACTOR CORE ISOLATION COOLING (RCIC) HIGH STEAM LINE FLOW INSTRUMENT SETPOINTS GREATER THAN TECHNICAL SPECIFICATION (TS) SETPOINTS. THREE UNRESOLVED ITEMS WERE IDENTIFIED: CONTROL ROOM FIRE DETECTORS' AFFECT ON CONTROL BUILDING EMERGENCY AIR FILTRATION (CBEAF) SYSTEM OPERABILITY; INFORMATION PROVIDED TO NRC REGARDING SILICON BRONZE BOLTS; AND ENVIRONMENTALLY QUALIFICATION OF A NON-SAFETY PORTION OF THE SBGT SYSTEM WHOSE FAILURE COULD HAVE CAUSED SYSTEM FAILURE. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 24 (88-20): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED THE REVIEW OF PROCEDURES, RECORDS AND OPERATIONS FOR THE USE, CONTROL, AND ACCOUNTABILITY OF SPECIAL NUCLEAR MATERIAL AND IN RESPONSE TO CORRECTIVE ACTIONS TAKEN FOR PREVIOUSLY REPORTED LICENSEE IDENTIFIED VIOLATION. IT SHOULD BE NOTED THAT THIS INSPECTION WAS CONDUCTED AT THE CAROLINA POWER AND LIGHT COMPANY'S H. B. ROBINSON NUCLEAR FACILITY IN CONJUNCTION WITH A ROUTINE INSPECTION CONDUCTED AT THAT SITE. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.4.6, SURVEILLANCE REQUIREMENT 4.4.6.1.1, REACTOR VESSEL PRESSURE AND SHELL TEMPERATURE WERE NOT DETERMINED TO BE WITHIN LIMITS ONCE PER 30 MINUTES DURING SYSTEM HEATUP. ON JANUARY 25, 1988, FROM 2:45 A.M. TO 4:30 A.M., A REACTOR COOLANT SYSTEM HEATUP OF ABOUT 90 DEGREES F OCCURRED WITH NO DETERMINATION AT THAT TIME THAT REACTOR VESSEL PRESSURE AND SHELL TEMPERATURES WERE WITHIN LIMITS.

CONTRARY TO 10 CFR 50.59(A)(1) AND 10 CFR 50.59(B)(1), A WRITTEN SAFETY EVALUATION PROVIDING THE BASIS FOR THE DETERMINATION THAT A CHANGE DID NOT INVOLVE AN UNREVIEWED SAFETY QUESTION WAS NOT PERFORMED. THE LICENSEE RECEIVED INFORMATION PRIOR TO UNIT 1 STARTUP ON FEBRUARY 20, 1988, THAT, WITH CERTAIN SINGLE FAILURES, NUCLEAR SERVICE WATER FLOW TO THE REACTOR BUILDING CCH HEAT EXCHANGERS WOULD NOT BE ZERO GALLONS PER MINUTE DURING THE FIRST 10 MINUTES OF A LOSS OF COOLANT ACCIDENT. A WRITTEN SAFETY EVALUATION WAS NOT COMPLETED UNTIL MARCH 22, 1988, SUBSEQUENT TO THE INSPECTION. (8801 4)

CONTRARY TO TS 4.6.6.2.A.2, THE CAD SYSTEM WAS NOT DEMONSTRATED TO BE OPERABLE BY VERIFYING EACH MANUAL VALVE IN THE FLOW PATH NOT LOCKED WAS IN THE CORRECT POSITION. VALVE 1-CAC-V168, A FLOW PATH VALVE, WAS OPEN AND NOT LOCKED ON AND BEFORE FEBRUARY 26, 1988, AND REQUIRED TO BE OPEN BUT NOT LOCKED BY 1-OP-24, REV. 22, CONTAINMENT ATMOSPHERE CONTROL SYSTEM OPERATING PROCEDURE. V168 WAS NOT VERIFIED IN ITS CORRECT POSITION (OPEN) BY PT-16.1, REV. 12. (8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ UNIT RECENTLY SHUTDOWN TO AFFECT REPAIRS TO HPCI F006 VALVE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

PLANT OPERATION AT 100% POWER.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-325/88-27 +

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BRUNSWICK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-010	05/02/88	05/25/88	AUTO ISOLATION OF COMMON CONTRL BUILDING HEATING, VENTILATING, AIR CONDITIONING SYSTEM AND EMERGENCY AIR FILTRATION SYSTEM DURING ROUTINE MAINTENANCE.
88-010	05/28/88	06/27/88	INOPERABILITY OF HIGH PRESSURE COOLANT INJECTION SYSTEM DUE TO FAILURE OF HPCI TURBINE STEAM INLET ISOLATION VALVE DURING OPERABILITY TESTING.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-
OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

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

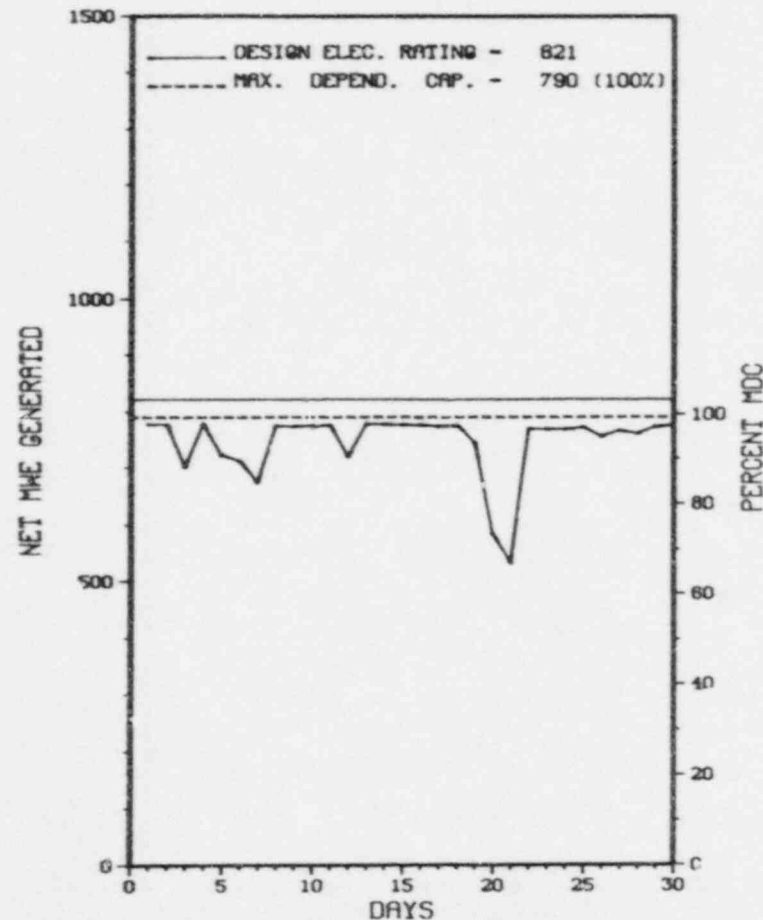
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>110,976.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>1,410.7</u>	<u>68,483.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>1,239.2</u>	<u>64,485.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,688,154</u>	<u>2,679,943</u>	<u>129,267,422</u>
18. Gross Elec Ener (MWH)	<u>554,610</u>	<u>880,990</u>	<u>42,622,522</u>
19. Net Elec Ener (MWH)	<u>537,340</u>	<u>877,051</u>	<u>40,869,880</u>
20. Unit Service Factor	<u>100.0</u>	<u>28.4</u>	<u>58.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>28.4</u>	<u>58.1</u>
22. Unit Cap Factor (MDC Net)	<u>94.5</u>	<u>24.0</u>	<u>46.6</u>
23. Unit Cap Factor (DER Net)	<u>90.9</u>	<u>23.1</u>	<u>44.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.7</u>	<u>15.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>304.1</u>	<u>11,763.9</u>

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

27. If Currently Shutdown Estimated - up Date: N/A

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * BRUNSWICK 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88016	06/03/88	F	0.0	A	5			LOSS OF CONDENSER VACUUM DUE TO CIRC WATER PUMP TRIP.
88018	06/05/88	F	0.0	F	5			LOAD FOLLOWING.
88019	06/06/88	F	0.0	D	5			PER TECHNICAL SPECIFICATIONS, REDUCED POWER TO CORRECT RCIC SETPOINT.
88020	06/12/88	S	0.0	B	5			REDUCE POWER TO REPAIR STEAM LEAK IN EAST MOISTURE/SEPARATOR REHEATER.
88022	06/19/88	S	0.0	B	5			WHILE PERFORMING ROUTINE VALVE TESTING, NO. 3 BYPASS VALVE WAS DISCOVERED LEAKING. REMAINED AT POWER LEVEL TO REPAIR LEAK.
88023	06/20/88	F	0.0	A	5			REDUCED POWER DUE TO WATER BOX TUBE LEAKS.
88025	06/27/88	F	0.0	H	5			REDUCED POWER DUE TO TRANSMISSION LINE INSTABILITY.
88026	06/28/88	F	0.0	H	5			REDUCED POWER FOR REPAIR OF TRANSMISSION LINE.

XXXXXXXXXXXX BRUNSWICK 2 INCURRED 8 POWER REDUCTIONS IN JUNE FOR REASONS
 * SUMMARY * STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period JUN 1988

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.....B. BUCKLEY
DOCKET NUMBER.....50-324
LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....RANDALL LIBRARY
UNIV OF N.C. AT WILMINGTON
601 S. COLLEGE ROAD
WILMINGTON, N. C. 28403

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 1 - JUNE 4 (88-18): THIS ROUTINE SAFETY INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE LICENSEE EVENT REPORT (LER) REVIEW, IN OFFICE LER REVIEW, FOLLOWUP ON INSPECTOR IDENTIFIED AND UNRESOLVED ITEMS, STANDBY GAS TREATMENT (SBGT) SILICON CONTROLLED RECTIFIER (SCR) CONTROLLERS, AND INADVERTENT HEATUP. IN THE AREAS INSPECTED, 4 VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW A PLANT MODIFICATION TEST PROCEDURE; WITHDRAWAL OF A CONTROL ROD DURING CONDITION 5 WITH THE REACTOR PROTECTION SYSTEM (RPS) SHORTING LINKS INSTALLED; FAILURE TO ADEQUATELY CONTROL REACTOR COOLANT SYSTEM TEMPERATURE; AND HIGH PRESSURE COOLANT INJECTION (HPCI)/ REACTOR CORE ISOLATION COOLING (RCIC) HIGH STEAM LINE FLOW INSTRUMENT SETPOINTS GREATER THAN TECHNICAL SPECIFICATION (TS) SETPOINTS. THREE UNRESOLVED ITEMS WERE IDENTIFIED: CONTROL ROOM FIRE DETECTORS' AFFECT ON CONTROL BUILDING EMERGENCY AIR FILTRATION (CBEAF) SYSTEM OPERABILITY; INFORMATION PROVIDED TO NRC REGARDING SILICON BRONZE BOLTS; AND ENVIRONMENTALLY QUALIFICATION OF A NON-SAFETY PORTION OF THE SBGT SYSTEM WHOSE FAILURE COULD HAVE CAUSED SYSTEM FAILURE. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 24 (88-20): THIS SPECIAL, ANNOUNCED INSPECTION ENTITLED THE REVIEW OF PROCEDURES, RECORDS AND OPERATIONS FOR THE USE, CONTROL, AND ACCOUNTABILITY OF SPECIAL NUCLEAR MATERIAL AND IN RESPONSE TO CORRECTIVE ACTIONS TAKEN FOR PREVIOUSLY REPORTED LICENSEE IDENTIFIED VIOLATION. IT SHOULD BE NOTED THAT THIS INSPECTION WAS CONDUCTED AT THE CAROLINA POWER AND LIGHT COMPANY'S H. B. ROBINSON NUCLEAR FACILITY IN CONJUNCTION WITH A ROUTINE INSPECTION CONDUCTED AT THAT SITE. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

Report Period JUN 1988

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

XXX
X BRUNSWICK 2 X
XXX

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ UNIT IS SHUTDOWN TO AFFECT REPAIRS TO F006 MPCV VALVE.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-324/88-27 +

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

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-015	04/26/88	05/26/88	FAILURE TO MEET LCO OF TECHNICAL SPECIFICATIONS (TS) WHILE PERFORMING STARTUP TESTING TO MEET TS.

```
=====
```

1. Docket: 50-454 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: D. J. SPITZER (815) 234-5441 X2023

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): 1120

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): 1120

11. Reasons for Restrictions, If Any:

STEAM GENERATOR SPLIT FLOW

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	720.0	4,367.0	24,456.0
13. Hours Reactor Critical	475.9	3,677.6	18,989.8
14. Rx Reserve Shtdwn Hrs	.0	.0	37.8
15. Hrs Generator On-Line	472.5	3,663.9	18,624.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,417,680	11,389,814	54,985,665
18. Gross Elec Ener (MWH)	477,403	3,797,432	18,423,209
19. Net Elec Ener (MWH)	447,386	3,580,428	17,319,905
20. Unit Service Factor	65.6	83.9	76.2
21. Unit Avail Factor	65.6	83.9	76.2
22. Unit Cap Factor (MDC Net)	55.5	73.2	63.2
23. Unit Cap Factor (DER Net)	55.5	73.2	63.2
24. Unit Forced Outage Rate	.0	1.8	5.0
25. Forced Outage Hours	.0	65.3	977.4

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

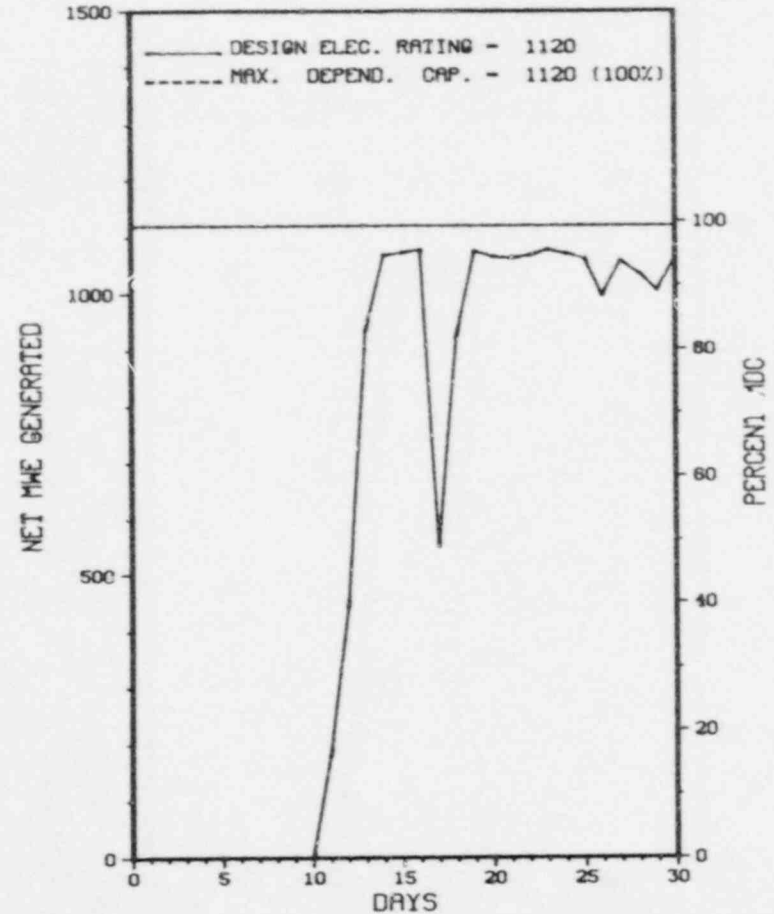
REFUELING- 09/03/88

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BYRON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



JUNE 1986

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X BYRON 1 X
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	05/28/88	S	247.5	A	4		SG	1A S/G	OUTAGE FOR 1A STEAM GENERATOR TUBE LEAK REPAIR (CONTINUED FROM PREVIOUS MONTH).
8	06/17/88	F	0.0	A	5		FW	1CFWPP	DEVELOPED AN EH LEAK ON THE LOW PRESSURE SERVO VALVE.

XXXXXXXXXXXX BYRON 1 ENTERED JUNE SHUTDOWN. SUBSEQUENTLY, RETURNED TO
 X SUMMARY X POWER AND INCURRED ONE LOAD REDUCTION FOR REASONS STATED
 XXXXXXXXXXXX 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)

* BYRON 1 *

FACILITY DATA

Report Period JUN 1988

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 FROM APRIL 1 THROUGH MAY 16 (88007; 88007): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND REGION BASED INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; BULLETINS; OPERATIONS SUMMARY; ENGINEERING AND TECHNICAL SUPPORT; QUALITY ASSURANCE PROGRAMS; TRAINING; CONTAINMENT INTEGRITY; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES SYSTEM WALKDOWNS; RADIATION PROTECTION; EVENT FOLLOWUP; LICENSEE ACTIONS IN RESPONSE TO SUSPECTED DRUG USE; ALLEGATIONS; AND MANAGEMENT MEETINGS. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 11 AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THE FOLLOWING AREAS: FAILURE TO INCORPORATE DESIGN REQUIREMENTS INTO PLANT OPERATIONS AND FAILURE TO TRANSLATE A DESIGN CHANGE INTO PLANT OPERATIONS; FAILURE OF A POST-MODIFICATION TEST PROCEDURE TO INCORPORATE RECOMMENDED TESTING AND FAILURE TO WRITE THE TEST PROCEDURE TO ASSURE THAT CHECK VALVES WERE PROPERLY TESTED; FAILURE TO ENSURE THAT COMBUSTIBLE RAGS WERE NOT STORED NEXT TO SAFETY-RELATED CABLES. ADDITIONALLY, ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA: FAILURE TO MAINTAIN A DIESEL GENERATOR OPERABLE; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED. THE FIRST TWO VIOLATIONS WERE OF MORE THAN MINOR SAFETY SIGNIFICANCE AND INDICATIVE OF WEAKNESSES IN THE LICENSEE'S MODIFICATION PROGRAM.

INSPECTION ON MAY 9-19 (88008; 38008; 88016): ROUTINE UNANNOUNCED SAFETY INSPECTION TO REVIEW ACTION ON PREVIOUS INSPECTION ITEMS (92701 AND 92702) AND FOLLOWUP ON SER ITEMS (92718). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BYRON 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

CHANGE NRC RESIDENT TO P. BROCHMAN NEW PLANT MANAGER, PRODUCTION SEPT.

PLANT STATUS:

UNIT 1 OPERATED AT POWER UP TO 98% ON LINE THE ENTIRE MONTH

LAST IE SITE INSPECTION DATE: 05/19/88

INSPECTION REPORT NO: 88008

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
-----
88-76    051688    061388    FAILURE OF 1B TO PROPERLY CONTROL LOAD
=====

```

1. Docket: *0-455 OPERATING STATUS
 2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
 3. Utility Contact: D. J. SPITZER (815)234-5441 X2023
 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): 1120
 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): 1120
 11. Reasons for Restrictions, If Any:

STEAM GENERATOR SPLIT FLOW

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>7,560.0</u>
13. Hours Reactor Critical	<u>689.9</u>	<u>4,310.6</u>	<u>6,637.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>649.1</u>	<u>4,066.7</u>	<u>6,347.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,944,550</u>	<u>11,760,743</u>	<u>18,232,906</u>
18. Gross Elec Ener (MWH)	<u>650,789</u>	<u>3,948,922</u>	<u>6,053,233</u>
19. Net Elec Ener (MWH)	<u>614,699</u>	<u>3,723,877</u>	<u>5,694,778</u>
20. Unit Service Factor	<u>90.2</u>	<u>93.1</u>	<u>84.0</u>
21. Unit Avail Factor	<u>90.2</u>	<u>93.1</u>	<u>84.0</u>
22. Unit Cap Factor (NDC Net)	<u>76.2</u>	<u>76.1</u>	<u>67.3</u>
23. Unit Cap Factor (DER Net)	<u>76.2</u>	<u>76.1</u>	<u>67.3</u>
24. Unit Forced Outage Rate	<u>9.8</u>	<u>2.7</u>	<u>5.9</u>
25. Forced Outage Hours	<u>70.9</u>	<u>112.7</u>	<u>400.7</u>

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

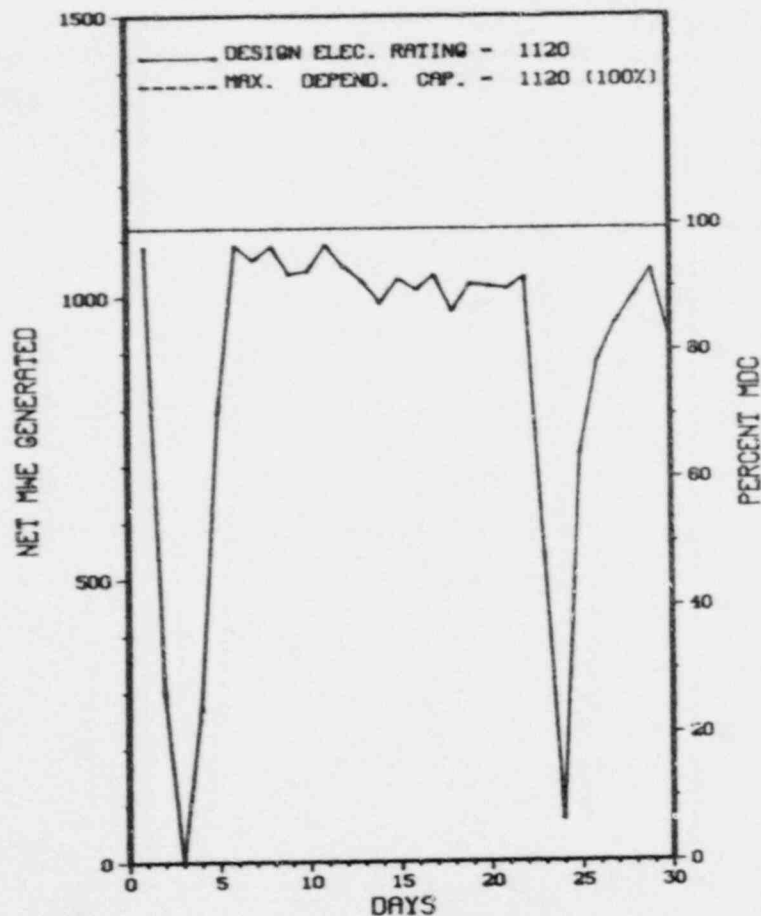
NONE

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

XX
 X BYRON 2 X
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BYRON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
10	06/02/88	F	50.0	A	3		RD	UNIT 2 REACTOR TRIP FROM POWER RANGE HIGH NEGATIVE FLUX RATE.
11	06/23/88	F	20.9	H	1		SG	STEAM GENERATOR CATION CONDUCTIVITY PROBLEMS.

 * SUMMARY *

 BYRON 2 INCURRED 2 FORCED OUTAGES IN JUNE FOR REASONS STATED 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)

X BYRON 2 X

FACILITY DATA

Report Period JUN 1988

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...JANUARY 9, 1987
DATE ELEC ENER 1ST GENER...FEBRUARY 6, 1987
DATE COMMERCIAL OPERATE...AUGUST 21, 1987
CONDENSER COOLING METHOD...CCHNDCT
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.....50-455
LICENSE & DATE ISSUANCE...NPF-66, JANUARY 30, 1987
PUBLIC DOCUMENT ROOM.....LIBRARIAN
BUSINESS SCIENCE & TECHNOLOGY DEPT.
ROCKFORD PUBLIC LIBRARY
215 NORTH WYMAN STREET
ROCKFORD, ILLINOIS 61101

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM APRIL 1 THROUGH MAY 16 (88007; 88007): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND REGION BASED INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; BULLETINS; OPERATIONS SUMMARY; ENGINEERING AND TECHNICAL SUPPORT; QUALITY ASSURANCE PROGRAMS; TRAINING; CONTAINMENT INTEGRITY; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES SYSTEM WALKDOWNS; RADIATION PROTECTION; EVENT FOLLOWUP; LICENSEE ACTIONS IN RESPONSE TO SUSPECTED DRUG USE; ALLEGATIONS; AND MANAGEMENT MEETINGS. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 11 AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THE FOLLOWING AREAS: FAILURE TO INCORPORATE DESIGN REQUIREMENTS INTO PLANT OPERATIONS AND FAILURE TO TRANSLATE A DESIGN CHANGE INTO PLANT OPERATIONS; FAILURE OF A POST-MODIFICATION TEST PROCEDURE TO INCORPORATE RECOMMENDED TESTING AND FAILURE TO WRITE THE TEST PROCEDURE TO ASSURE THAT CHECK VALVES WERE PROPERLY TESTED; FAILURE TO ENSURE THAT COMBUSTIBLE RAGS WERE NOT STORED NEXT TO SAFETY-RELATED CABLES. ADDITIONALLY, ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA: FAILURE TO MAINTAIN A DIESEL GENERATOR OPERABLE; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED. THE FIRST TWO VIOLATIONS WERE OF MORE THAN MINOR SAFETY SIGNIFICANCE AND INDICATIVE OF WEAKNESSES IN THE LICENSEE'S MODIFICATION PROGRAM.

INSPECTION ON MAY 9-19 (88008; 88008; 88016): ROUTINE UNANNOUNCED SAFETY INSPECTION TO REVIEW ACTION ON PREVIOUS INSPECTION ITEMS (92701 AND 92702) AND FOLLOWUP ON SER ITEMS (92718). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period JUN 1988

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

* BYRON 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

CHANGE NRC RESIDENT TO P BROCHMAN

PLANT STATUS:

U-2 SHUTDOWN UNTIL SEPTEMBER 4, FOR FORCED OUTAGE. ONLINE FOR REST OF MONTH U-2 PLACED IN COMMERCIAL SERVICE EFFECTIVE 8/21/87.

LAST IE SITE INSPECTION DATE: 05/19/88

INSPECTION REPORT NO: 88008

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
88-05	050688	060688	TECHNICAL SPECIFICATION VIOLATION DUE TO OPERATIONAL MODE CHANGES MADE WHILE AUXILIARY FEEDWATER PUMP INOPERABLE DUE TO LEVEL SWITCH FAILURE
88-06	060288	062188	REACTOR TRIP DUE TO CONTROL ROD DROP CAUSED BY INTERMITTENT COMPONENT FAILURE IN THE ROD DRIVE SYSTEM
88-07	060388	063088	FEEDWATER ISOLATION ACTUATION; DUE TO STEAM GENERATOR PREHEATER BYPASS VALVE FAILURE TO OPEN

=====

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: MARY DALY (314) 676-8460

4. Licensed Thermal Power (MWh): 3565

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:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>30,949.5</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,960.3</u>	<u>25,958.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,907.0</u>	<u>25,362.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,547,644</u>	<u>13,273,722</u>	<u>81,563,502</u>
18. Gross Elec Ener (MWH)	<u>868,735</u>	<u>4,520,954</u>	<u>27,562,674</u>
19. Net Elec Ener (MWH)	<u>829,643</u>	<u>4,301,258</u>	<u>26,190,934</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.5</u>	<u>81.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.5</u>	<u>81.9</u>
22. Unit Cap Factor (MDC Net)	<u>102.9</u>	<u>87.9</u>	<u>75.6</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>84.1</u>	<u>72.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.8</u>	<u>4.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>240.6</u>	<u>1,144.1</u>

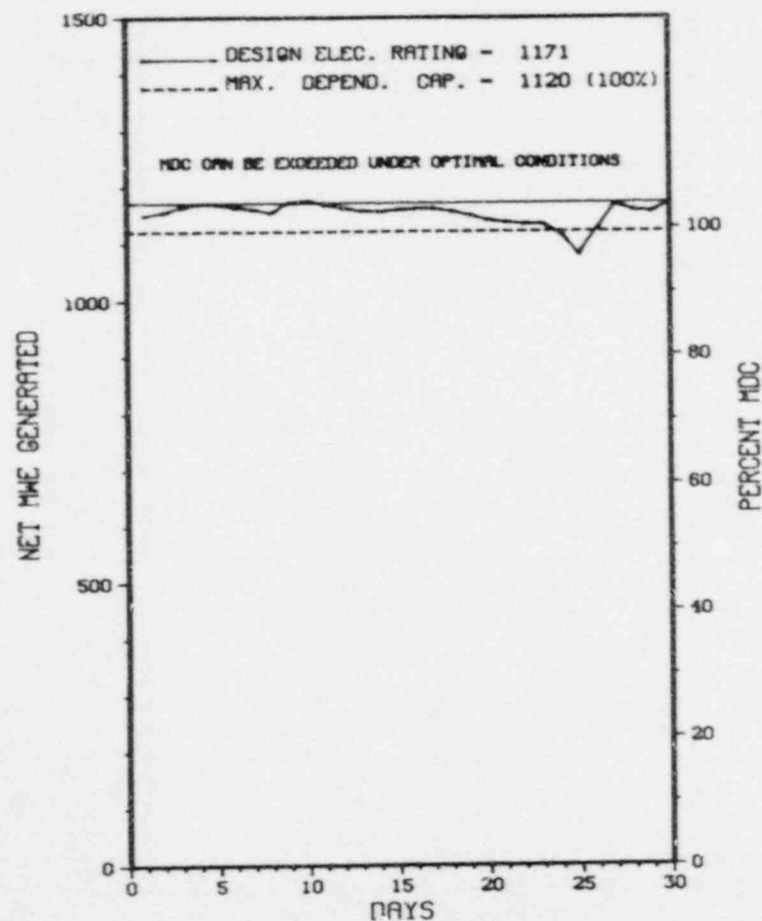
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
X CALLAWAY 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
13	06/26/88	F	0.0	A	5			RUNBACK TO 75% DUE TO 'B' CIRCULATING WATER PUMP TRIP ON HIGH STATOR TEMPERATURE.

* SUMMARY *

CALLAWAY 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS STATED 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)

 * CALLAWAY 1 *

FACILITY DATA

Report Period JUN 1988

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.....WASHINGTON UNIVERSITY
 JOHN M. OLIN LIBRARY
 SKINKER & LINDELL BLVD.
 ST. LOUIS, MO. 63130

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 24 THROUGH SEPTEMBER 11 (87028): A SPECIAL UNANNOUNCED SAFETY INSPECTION BY THE SENIOR RESIDENT INSPECTOR REGARDING THE ESSENTIAL SERVICE WATER SYSTEM OPERABILITY. ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO PROMPTLY IDENTIFY AND CORRECT AN INCORRECT ESSENTIAL SERVICE WATER VALVE POSITION).

INSPECTION FROM APRIL 3 THROUGH MAY 21 (88007): A ROUTINE UNANNOUNCED SAFETY INSPECTION OF LICENSEE EVENT REPORTS (EERS), PREVIOUS IDENTIFIED PROBLEMS, PLANT OPERATIONS, ENGINEERED SAFETY FEATURES (ESF) SYSTEM WALKDOWN, QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY, SURVEILLANCE, MAINTENANCE, FIRE PROTECTION, RADIOLOGICAL CONTROLS, OUTAGES, SECURITY, EMERGENCY PREPAREDNESS, REGIONAL MEETING AND UNRESOLVED ITEMS. THE LICENSEE IS EXPENDING SIGNIFICANT STAFF TIME IN DEVELOPING AND PERFORMING A SAFETY SYSTEM FUNCTIONAL ANALYSIS (SSFA) TYPE REVIEW OF THEIR SYSTEMS. THIS AREA WAS DISCUSSED WITH REGIONAL MANAGEMENT. THE PROCEDURES FOR STARTUP OF THE PLANT WERE REVISED WITH THE OPERATOR'S LATITUDE FOR DECISIONS BEING TIGHTENED IN AN EFFORT TO REDUCE PROBLEMS DURING STARTUP. PAINTING IN THE TURBINE BUILDING AND THE AUXILIARY BUILDING HAS IMPROVED HOUSEKEEPING. NO VIOLATION OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED PERTAINING TO THE ESSENTIAL SERVICE WATER (ESW) SYSTEM FLOW RATFS.

INSPECTION ON MAY 20-27 (88011): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS SECURITY PROGRAM; SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; VITAL AREA BARRIERS; COMPENSATORY MEASURES; ACCESS CONTROLS-PERSONNEL, VEHICLES, AND PACKAGES; VITAL AREA ALARMS; COMMUNICATIONS; SAFEGUARDS CONTINGENCY PLAN; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. IMPLEMENTATION OF SECURITY MODIFICATIONS FOR A PORTION OF THE

Report Period JUN 1988

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

XX
* CALLAWAY 1 *
XX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	050288	060188	REACTOR TRIP ON LOW STEAM GENERATOR LEVEL DUE TO ACTUATION OF THROTTLE PRESSURE LIMITER AND FEEDWATER ISOLATION DUE TO OPERATOR RESETTNG TRIP BREAKERS

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-317 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: C. BEHNKE (301) 260-4871

4. Licensed Thermal Power (Mwt): 2700

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

6. Design Electrical Rating (Net MWe): 880

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>115,260.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,378.3</u>	<u>88,765.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,351.3</u>	<u>86,804.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>6,099,545</u>	<u>218,174,263</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,051,480</u>	<u>72,267,081</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,967,731</u>	<u>68,983,248</u>
20. Unit Service Factor	<u>.0</u>	<u>53.8</u>	<u>75.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>53.8</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>54.6</u>	<u>72.6*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>52.6</u>	<u>68.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>25.6</u>	<u>8,607.8</u>

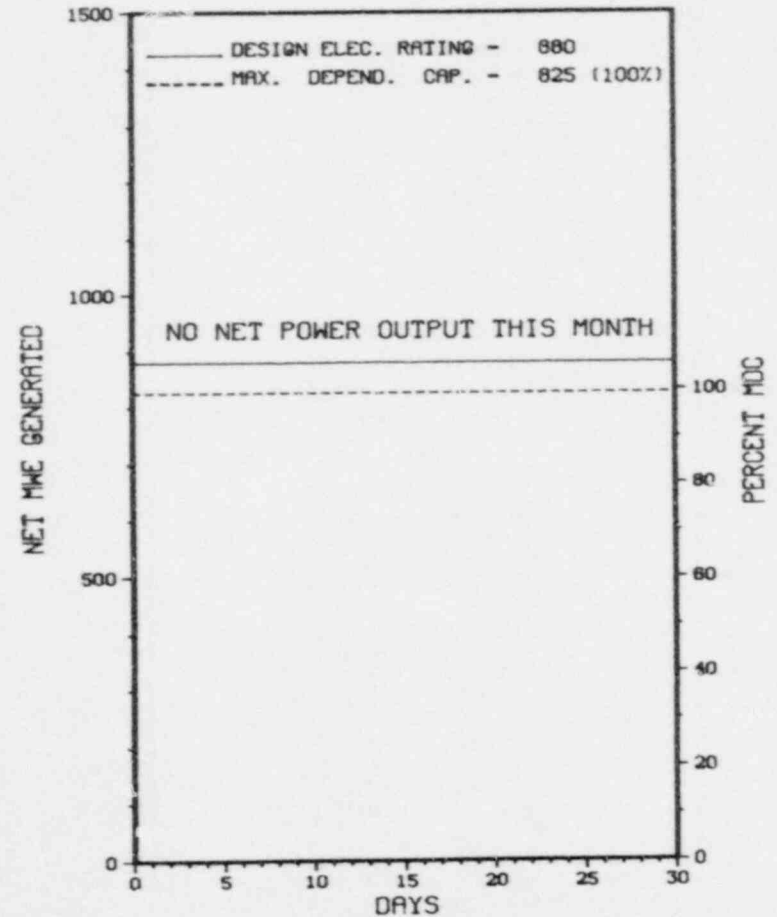
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/03/88

X CALVERT CLIFFS 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



JUNE 1988

* Item calculated with a Weighted Average

PAGE 2-072

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CALVERT CLIFFS 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/09/88	S	720.0	C	4				REMAINED SHUTDOWN FOR REFUELING OPERATIONS.

XXXXXXXXXXXX CALVERT CLIFFS 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED
* SUMMARY * REFUELING OUTAGE.
XXXXXXXXXXXX

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 JUN 1988

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...DECEMBER 30, 1974
DATE COMMERCIAL OPERATE...MAY 8, 1975
CONDENSER COOLING METHOD...DNCE 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.....D. TRIMBLE
LICENSING PROJ MANAGER.....S. MCNEIL
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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CALVERT CLIFFS 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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

=====

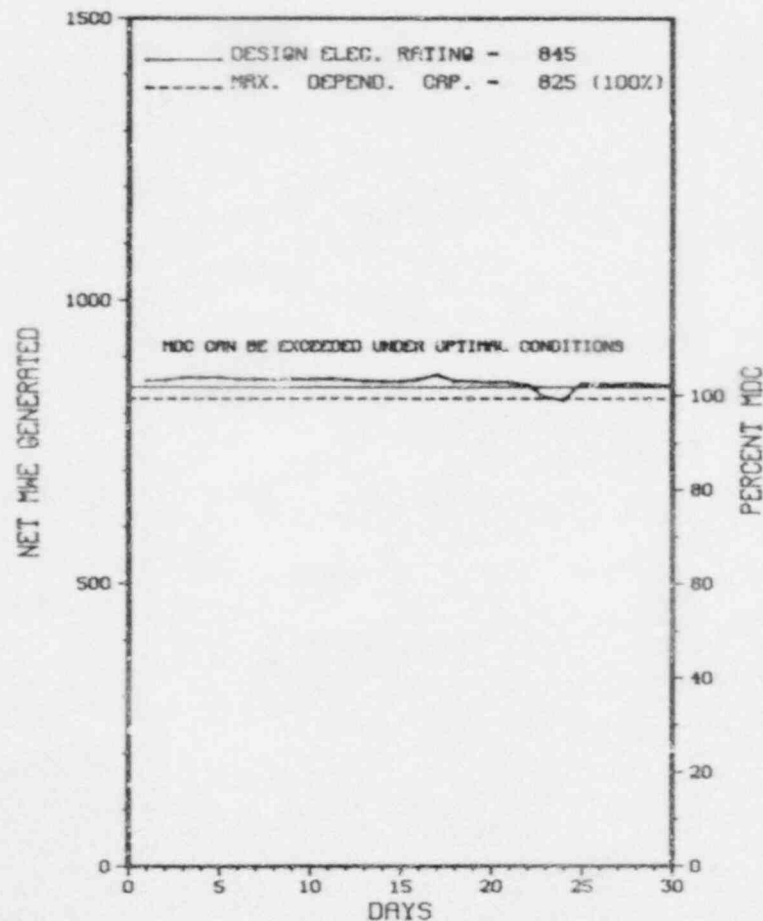
1. Docket: 50-318 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: C. BEHNKE (301) 260-4871
4. Licensed Thermal Power (MWT): 2700
5. Nameplate Rating (Gross MWe): 1012 X 0.9 = 911
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>98,615.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,410.1</u>	<u>81,253.1</u>
14. Rx Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,296.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,398.2</u>	<u>80,078.9</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,940,492</u>	<u>8,995,073</u>	<u>202,335,736</u>
18. Gross Elec Ener (MWH)	<u>640,387</u>	<u>3,028,123</u>	<u>66,916,259</u>
19. Net Elec Ener (MWH)	<u>614,959</u>	<u>2,906,585</u>	<u>63,895,482</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.8</u>	<u>81.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.8</u>	<u>81.2</u>
22. Unit Cap Factor (MDC Net)	<u>103.5</u>	<u>80.7</u>	<u>78.5</u>
23. Unit Cap Factor (DER Net)	<u>101.1</u>	<u>78.8</u>	<u>76.7</u>
24. Unit Forced Out-ge Rate	<u>.0</u>	<u>3.8</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>135.1</u>	<u>4,707.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X CALVERT CLIFFS 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



JUNE 1988

Report Period JUN 1968

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* CALVERT CLIFFS 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXX CALVERT CLIFFS 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES
* SUMMARY * OR SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXX

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 Rpt
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* CALVERT CLIFFS 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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.....D. TRIMBLE
LICENSING PROJ MANAGER.....S. MCNEIL
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 JUN 1988

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

XX
* CALVERT CLIFFS 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.			

=====

Unit: 30-413 OPERATING STATUS

2. Reporting Period: 6/1/88 Outage + On-line Hrs: 720.0

3. Utility Contact: BEAVIS (706) 373-7567

4. Licenses: (MWh): 3411

5. Nameplate Rating (Net MWe): 1305

6. Designated Rating (Net MWe): 1145

7. Available Capacity (Gross MWe): 1145

8. Dependable Capacity (Net MWe): 1129

9. If Capacity has Changed Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: NONE

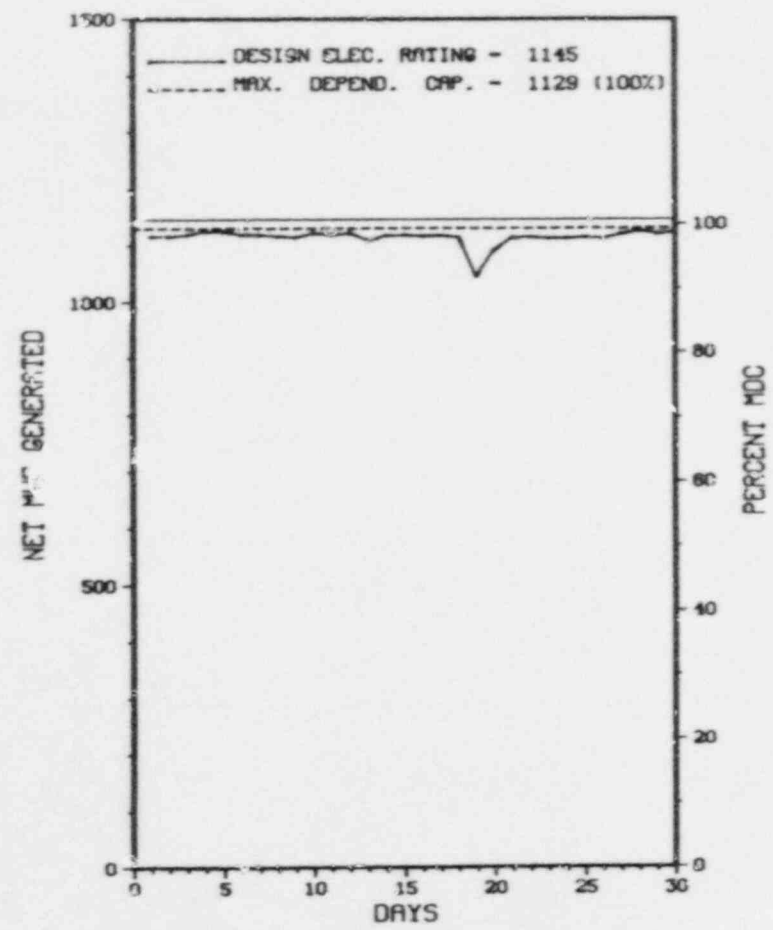
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>26,352.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,080.0</u>	<u>19,194.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,037.6</u>	<u>18,636.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>2,390,237</u>	<u>13,130,507</u>	<u>59,191,371</u>
18. Gross Elec Ener (MWh)	<u>846,221</u>	<u>4,664,373</u>	<u>20,755,475</u>
19. Net Elec Ener (MWh)	<u>801,250</u>	<u>4,404,406</u>	<u>19,405,251</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.5</u>	<u>70.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.5</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>96.6</u>	<u>89.3</u>	<u>65.2</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>88.1</u>	<u>64.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7.5</u>	<u>16.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>328.9</u>	<u>3,588.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-NOVEMBER 11, 1988- 8 WEEKS

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

 * CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CATAWBA 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X CATAWBA 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
36-P	06/13/88	F	0.0	A	5		HH	VALVEX	REDUCTION DUE TO STEAM GENERATOR '1C' FEEDWATER REGULATING VALVE CONTROL CARD FAILURE.
37-P	06/18/88	S	0.0	B	5		HB	VALVEX	POWER REDUCTION FOR CONTROL VALVE MOVEMENT TEST.
38-P	06/19/88	F	0.0	A	5		HB	VALVEX	HOLDING POWER FOR TROUBLESHOOTING OF TURBINE CONTROL VALVE NO. 1.
39-P	06/19/88	F	0.0	A	5		CM	INSTRU	POWER REDUCTION TO PROVIDE ADEQUATE CONTROL ON S/G 'C' LEVEL.

 * SUMMARY *

 CATAWBA 1 INCURRED 4 LOAD REDUCTIONS IN JUNE FOR REASONS STATED ABOVE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....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...NDC
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 APRIL 26 - MAY 27 (88-18): THIS ROUTINE, INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION. REVIEW OF LICENSEE NONROUTINE EVENT REPORTS; FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. A WEAKNESS WAS IDENTIFIED IN THAT A LARGE NUMBER OF HUMAN ERRORS HAVE OCCURRED IN 1988. AN EXAMPLE OF THIS WEAKNESS IS THE FACT THAT 18 OF THE FIRST 32 LICENSEE EVENT REPORTS OF 1988 INVOLVED HUMAN ERROR. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: INADEQUATE MEASURES TO ASSURE STOPWATCHES USED IN TS SURVEILLANCE ARE CONTROLLED AND CALIBRATED; AND FAILURE TO RETEST VALVE 2BB-61B AFTER MAINTENANCE. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING CORRECTIVE ACTION REGARDING VALVE FAILURES IN THE RESIDUAL HEAT REMOVAL SYSTEM.

INSPECTION MAY 17-20 AND JUNE 3 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS, AND INCLUDED REVIEW OF THE FOLLOWING PROGRAMMATIC ASPECTS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES; (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES; (3) ORGANIZATION AND MANAGEMENT CONTROL; (4) TRAINING; AND (5) INDEPENDENT REVIEWS/AUDITS. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND EFFECTIVELY TO A RADIOLOGICAL EMERGENCY INVOLVING THE CATAWBA NUCLEAR STATION. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-20 (88-20): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF EMERGENCY DIESEL GENERATOR OPERATIONS AND SURVEILLANCE TESTING, MAINTENANCE, AND CORRECTIVE ACTIONS. THE LICENSEE HAS IDENTIFIED PROBLEM AREAS WITH DIESEL GENERATOR RELIABILITY, AND HAS IMPLEMENTED ONGOING ACTIVITIES AND CORRECTIVE ACTIONS IN THE FORM OF INCREASED PREVENTATIVE MAINTENANCE FREQUENCIES AND DESIGN MODIFICATIONS AIMED AT IMPROVING RELIABILITY. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X C A T A L O G 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

IDENTIFIED.

INSPECTION MAY 16-20 (88-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SEISMIC MONITORING PROGRAM, FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED OPEN ITEMS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 7-10 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, RECORDS AND REPORTS, SECURITY SYSTEM POWER SUPPLY, PHYSICAL BARRIERS - VITAL AREAS, COMPENSATORY MEASURES, DETECTION AIDS - VITAL AREAS, AND ALARM STATIONS. IN THE AREAS INSPECTED, NO INSPECTOR IDENTIFIED VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. HOWEVER, SIX (6) LICENSEE IDENTIFIED VIOLATIONS, PREVIOUSLY REPORTED AS PHYSICAL SECURITY EVENTS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-413/88-27 +

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CATAWBA 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-019	04/25/88	06/13/88	INOPERABILITY OF DIESEL GENERATORS DUE TO A MANUFACTURER'S DESIGN DEFICIENCY.
88-020	05/20/88	06/17/88	TECHNICAL SPECIFICATION VIOLATION INVOLVING PRESSURIZER PORV'S AND ASSOCIATED BLOCK VALVES POSITION INDICATION DUE TO A MANAGEMENT DEFICIENCY.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-414 OPERATING STATUS
 2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
 3. Utility Contact: J. A. REAVIS (704) 373-7567
 4. Licensed Thermal Power (MWh): 3411
 5. Nameplate Rating (Gross MWe): 1305
 6. Design Electrical Rating (Net MWe): 1145
 7. Maximum Dependable Capacity (Gross MWe): 1145
 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): _____
 11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>16,368.6</u>
13. Hours Reactor Critical	<u>661.6</u>	<u>2,252.4</u>	<u>10,858.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>638.0</u>	<u>2,125.9</u>	<u>10,470.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,743,886</u>	<u>5,862,403</u>	<u>31,589,896</u>
18. Gross Elec Ener (MWH)	<u>602,324</u>	<u>2,037,453</u>	<u>11,114,481</u>
19. Net Elec Ener (MWH)	<u>560,675</u>	<u>1,858,386</u>	<u>10,325,083</u>
20. Unit Service Factor	<u>88.6</u>	<u>48.7</u>	<u>64.0</u>
21. Unit Avail Factor	<u>88.6</u>	<u>48.7</u>	<u>64.0</u>
22. Unit Cap Factor (MDC Net)	<u>69.0</u>	<u>37.7</u>	<u>55.9</u>
23. Unit Cap Factor (DER Net)	<u>68.0</u>	<u>37.2</u>	<u>55.1</u>
24. Unit Forced Outage Rate	<u>11.4</u>	<u>22.3</u>	<u>27.7</u>
25. Forced Outage Hours	<u>82.0</u>	<u>608.6</u>	<u>4,002.6</u>

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

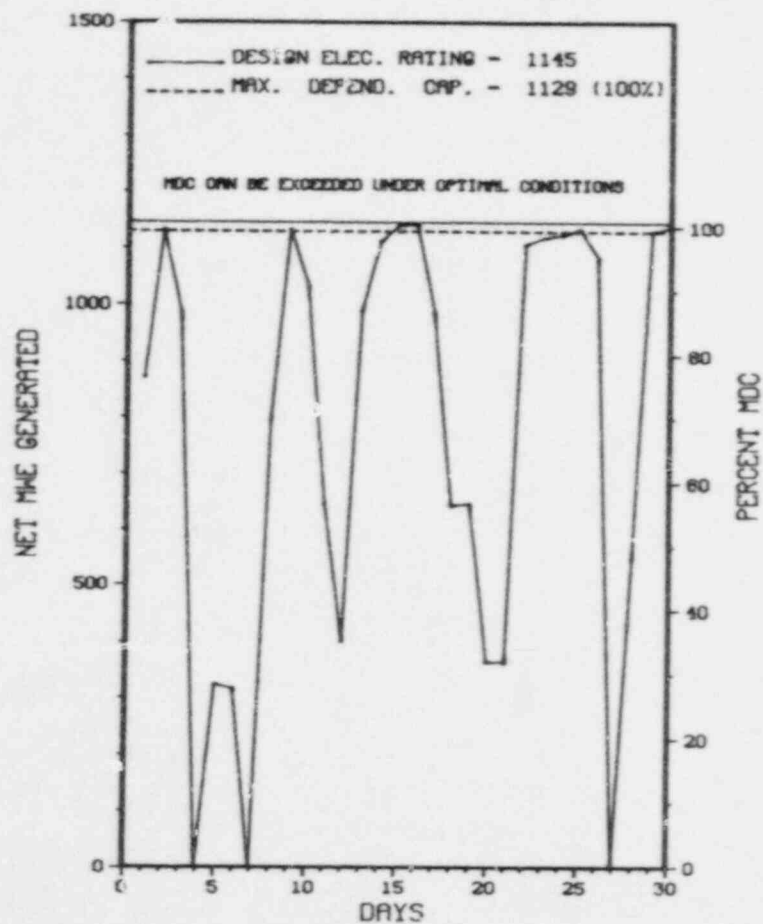
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * CATAWBA 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * CATAWBA 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
42-P	06/01/88	F	0.0	A	5		HE	TURBIN	HOLDING POWER FOR INVESTIGATION OF STEAM LEAK ON MAIN TURBINE PIPING.
11	06/03/88	F	22.3	A	2		HB	TURBIN	MANUAL REACTOR TRIP DUE TO LOSS OF STEAM PRESSURE TO THE '2B' FEEDWATER PUMP TURBINE.
46-P	06/04/88	S	0.0	A	5		CH	HTEXCH	HOLDING POWER FOR FEEDWATER NOZZLE SWAP.
12	06/06/88	F	17.6	A	3		RB	CONROD	REACTOR TRIP DUE TO BLOWN FUSE ON ROD CONTROL STATIONARY COIL 'N09'.
13	06/07/88	F	4.9	A	2		HA	VALVEX	TURBINE GENERATOR TAKEN OFF-LINE DUE TO HYDRAULIC OIL LEAK AT TURBINE CONTROL VALVES.
54-P	06/13/88	S	0.0	F	5		ZZ	ZZZZZ	HOLDING POWER PER DISPATCHER REQUEST.
57-P	06/17/88	S	9.0	F	5		ZZ	ZZZZZ	POWER REDUCTION PER DISPATCHER REQUEST.
14	06/20/88	F	20.1	A	2		HH	CKTBKR	MANUAL REACTOR TRIP DUE TO LOSS OF 'A' FEEDWATER TURBINE LUBE OIL PUMP (FAULTY SWITCH).
59-P	06/21/88	S	0.0	B	5		IE	INSTRU	POWER HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION.
15	06/26/88	F	17.1	A	3		ZZ	HTEYCH	REACTOR TRIP DUE TO INADVERTANT CLOSING OF STEAM GENERATOR '2D' MAIN STEAM ISOLATION.

XXXXXXXXXXXX CATAWBA 2 INCURRED 5 POWER OUTAGES AND NUMEROUS LOAD
 * SUMMARY * REDUCTIONS IN JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* CATAWBA 2 *

FACILITY DATA

Report Period JUN 1988

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...MAY 8, 1986
DATE ELEC ENER 1ST GENER...MAY 18, 1986
DATE COMMERCIAL OPERATE...AUGUST 19, 1986
CONDENSER COOLING METHOD...HNDCT
CONDENSER COOLING WATER...LAKE WYLIE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSFE.....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.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. SKINNER
LICENSING PROJ MANAGER.....K. JABBOUR
DOCKET NUMBER.....50-414
LICENSE & DATE ISSUANCE...NPF-52, MAY 15, 1986
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 APRIL 26 - MAY 27 (88-18): THIS ROUTINE, INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; REVIEW OF LICENSEE NONROUTINE EVFMT REPORTS; FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. A WEAKNESS WAS IDENTIFIED IN THAT A LARGE NUMBER OF HUMAN ERRORS HAVE OCCURRED IN 1988. AN EXAMPLE OF THIS WEAKNESS IS THE FACT THAT 18 OF THE FIRST 32 LICENSEE EVENT REPORTS OF 1988 INVOLVED HUMAN ERROR. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: INADEQUATE MEASURES TO ASSURE STOPWATCHES USED IN TS SURVEILLANCE ARE CONTROLLED AND CALIBRATED; AND FAILURE TO RETEST VALVE 2BB-61B AFTER MAINTENANCE. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING CORRECTIVE ACTION REGARDING VALVE FAILURES IN THE RESIDUAL HEAT REMOVAL SYSTEM.

INSPECTION MAY 17-20 AND JUNE 3 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS, AND INCLUDED REVIEW OF THE FOLLOWING PROGRAMMATIC ASPECTS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES; (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES; (3) ORGANIZATION AND MANAGEMENT CONTROL; (4) TRAINING; AND (5) INDEPENDENT REVIEWS/AUDITS. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND EFFECTIVELY TO A RADIOLOGICAL EMERGENCY INVOLVING THE CATAWBA NUCLEAR STATION. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-20 (88-20): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF EMERGENCY DIESEL GENERATOR OPERATIONS AND SURVEILLANCE TESTING, MAINTENANCE, AND CORRECTIVE ACTIONS. THE LICENSEE HAS IDENTIFIED PROBLEM AREAS WITH DIESEL GENERATOR RELIABILITY, AND HAS IMPLEMENTED ONGOING ACTIVITIES AND CORRECTIVE ACTIONS IN THE FORM OF INCREASED PREVENTATIVE MAINTENANCE FREQUENCIES AND DESIGN MODIFICATIONS AIMED AT IMPROVING RELIABILITY. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE

INSPECTION SUMMARY

IDENTIFIED.

INSPECTION MAY 16-20 (88-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SEISMIC MONITORING PROGRAM, FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED OPEN ITEMS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 7-10 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, RECORDS AND REPORTS, SECURITY SYSTEM POWER SUPPLY, PHYSICAL BARRIERS - VITAL AREAS, COMPENSATORY MEASURES, DETECTION AIDS - VITAL AREAS, AND ALARM STATIONS. IN THE AREAS INSPECTED, NO INSPECTOR IDENTIFIED VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. HOWEVER, SIX (6) LICENSEE IDENTIFIED VIOLATIONS, PREVIOUSLY REPORTED AS PHYSICAL SECURITY EVENTS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-414/88-27 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-017	04/14/88	05/24/88	FEEDWATER ISOLATION DURING UNIT SHUTDOWN DUE TO A PERSONNEL ERROR.

1. Docket: 50-461 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: F.A. SPANGENBERG (217)935-8881 X3400

4. Licensed Thermal Power (Mwt): 2894

5. Nameplate Rating (Gross MWe): _____

6. Design Electrical Rating (Net MWe): 933

7. Maximum Dependable Capacity (Gross MWe): 933

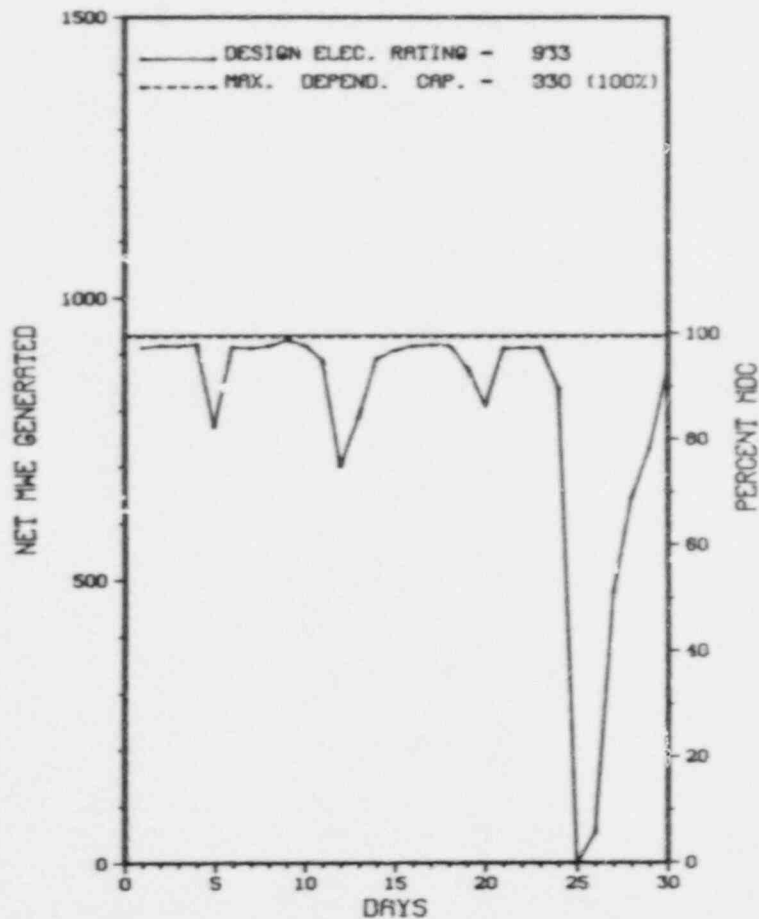
8. Maximum Dependable Capacity (Net MWe): 930

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

XX
 * CLINTON 1 *
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CLINTON 1



10. Power level to which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
 NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>5,265.3</u>
13. Hours Reactor Critical	<u>690.9</u>	<u>3,282.5</u>	<u>4,180.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>680.9</u>	<u>3,187.5</u>	<u>4,085.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,843,235</u>	<u>8,535,203</u>	<u>10,680,703</u>
18. Gross Elec Ener (MWH)	<u>606,214</u>	<u>2,839,247</u>	<u>3,555,897</u>
19. Net Elec Ener (MWh)	<u>576,581</u>	<u>2,708,080</u>	<u>3,392,183</u>
20. Unit Service Factor	<u>94.6</u>	<u>73.0</u>	<u>77.6</u>
21. Unit Avail Factor	<u>94.6</u>	<u>73.0</u>	<u>77.6</u>
22. Unit Cap Factor (MDC Net)	<u>86.1</u>	<u>66.7</u>	<u>69.3</u>
23. Unit Cap Factor (DER Net)	<u>85.8</u>	<u>66.5</u>	<u>69.1</u>
24. Unit Forced Outage Rate	<u>5.4</u>	<u>4.4</u>	<u>3.5</u>
25. Forced Outage Hours	<u>39.1</u>	<u>147.0</u>	<u>147.0</u>

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

NONE

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

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CLINTON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
13	06/05/88	S	0.0	B	5			REDUCED POWER TO APPROXIMATELY 40% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING AND REPAIR A MINOR STEAM LEAK.
14	06/11/88	S	0.0	B	5			REDUCED POWER TO APPROXIMATELY 75% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING.
15	06/24/88	S	0.0	B	5			REDUCED POWER TO APPROXIMATELY 60% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING AND A CONTROL ROD SEQUENCE EXCHANGE.
16	06/24/88	F	39.1	A	3			AFTER HAVING PLACED THE 'A' & 'B' REACTOR FEED PUMPS IN MANUAL TO ALLOW FOR AUTOMATIC FLOW CONTROL, THE 'B' PUMP WAS BEING CONTROLLED FROM THE STARTUP CONTROLLER. THE STARTUP CONTROLLER MALFUNCTIONED CAUSING A REACTOR WATER LEVEL TRANSIENT WHICH RESULTED IN A REACTOR SCRAM AT LEVEL 3.

 * SUMMARY *

 CLINTON 1 INCURRED 1 FORCED OUTAGE AND 3 POWER REDUCTIONS IN JUNE 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		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CLINTON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ILLINOIS
COUNTY.....DE WITT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI E OF
CLINTON, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...FEBRUARY 27, 1987
DATE ELEC ENER 1ST GENER...APRIL 24, 1987
DATE COMMERCIAL OPEATE...NOVEMBER 24, 1987
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SALT CREEK
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY
LICENSEE.....ILLINOIS POWER
CORPORATE ADDRESS.....500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BALDWIN ASSOCIATES
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....P. HILAND
LICENSING PROJ MANAGER.....J. STEVENS
DOCKET NUMBER.....50-461
LICENSE & DATE ISSUANCE...NPF-62, APRIL 17, 1987
PUBLIC DOCUMENT ROOM.....VESPASIAN WARNER PUBLIC LIBRARY
120 WEST JOHNSON ST.
CLINTON, IL. 61727

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 25 THROUGH MARCH 31 (88010): SPECIAL SAFETY INSPECTION OF THE ENVIRONMENTAL QUALIFICATION (EQ) OF ELECTRIC EQUIPMENT WITHIN THE SCOPE OF 10 CFR 50.49. THE INSPECTION INCLUDED A REVIEW OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED FINDINGS. PREVIOUSLY IDENTIFIED EQ DEFICIENCIES WERE DETERMINED TO BE POTENTIAL VIOLATIONS OF 10 CFR 50.49.

INSPECTION ON APRIL 4 THROUGH MAY 18 (88009): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS AT POWER REACTOR FACILITIES; VERIFICATION OF CONTAINMENT INTEGRITY; OPERATIONAL SAFETY VERIFICATION; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; TRAINING EFFECTIVENESS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; AND ENVIRONMENTAL QUALIFICATION. OF THE TEN AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED IN THE AREA OF OPERATIONAL SAFETY VERIFICATION AND ONE VIOLATION WAS IDENTIFIED IN THE AREA OF ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN. THE IDENTIFIED VIOLATIONS INCLUDED: FAILURE TO PERFORM A SHIFTLY SURVEILLANCE; FAILURE TO PERFORM A REQUIRED LEAK RATE TEST FOLLOWING MAINTENANCE; FAILURE TO MAINTAIN SECONDARY CONTAINMENT INTEGRITY; AND FAILURE TO MAKE PROMPT CORRECTIVE ACTION FOR A CONDITION ADVERSE TO PLANT SAFETY. IN ADDITION TO THE IDENTIFIED VIOLATIONS, TWO UNRESOLVED ITEMS WERE IDENTIFIED IN THE AREA OF ENVIRONMENTAL QUALIFICATION.

INSPECTION ON APRIL 24-28 (88008): SPECIAL, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE CLINTON POWER STATION EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY RESPONSE FACILITY APPRAISAL; REVIEWS OF RADIOACTIVE RELEASE ASSESSMENT AND METEOROLOGICAL INFORMATION; AND REVIEWS OF THE DESIGN AND OPERATION OF THE TECHNICAL SUPPORT CENTER AND EMERGENCY OPERATIONS FACILITY. THE INSPECTION INVOLVED ONE NRC INSPECTOR AND THREE CONTRACTOR PERSONNEL. THE EMERGENCY RESPONSE FACILITIES OF THE LICENSEE WERE

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CLINTON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

FOUND TO BE ADEQUATE (IP 82412). NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 27-29 AND MAY 11-13 (88013): ROUTINE, ANNOUNCED INSPECTION TO DETERMINE COMPLIANCE WITH ATWS RULE, 10 CFR 50.62, PER TEMPORARY INSTRUCTION 2500/20 (MODULE 25020). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TEMPORARY INSTRUCTION (TI) 2500/20 WAS CLOSED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

RETURNED TO POWER FOLLOWING A PLANNED EXTENDED MAINTENANCE OUTAGE. PLANT IS IN NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: 05/13/88

INSPECTION REPORT NO: 38013

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
88-15	041988	060888	INCORRECT COMMAND DURING CHANNEL FUNCTIONAL TEST LEAVES FLUSH VALVE PARTIALLY OPEN AND RESULTS IN INOPERABLE OFF GAS PRETREATMENT RADIO ACTIVITY MONITOR AND INVALID HYDROGEN SAMPLES
88-16	051788		FAILURE TO RECOGNIZE THE LOCATION AND EXTENT OF A PENETRATION SEAL REPAIR RESULTS IN A VIOLATION OF SECONDARY CONTAINMENT INTEGRITY

1. Docket: 50-315 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: HIRSCH (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): 920

11. Reasons for Restrictions: If Any
ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>118,319.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,314.3</u>	<u>86,151.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,302.0</u>	<u>84,539.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>1,987,237</u>	<u>12,315,349</u>	<u>245,306,719</u>
18. Gross Elec Ener (MWH)	<u>638,760</u>	<u>4,006,040</u>	<u>80,150,710</u>
19. Net Elec Ener (MWH)	<u>612,837</u>	<u>3,850,167</u>	<u>77,081,165</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.5</u>	<u>72.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.5</u>	<u>72.7</u>
22. Unit Cap Factor (MDC Net)	<u>83.4</u>	<u>86.4</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>82.6</u>	<u>85.6</u>	<u>62.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>8.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.5</u>	<u>6,644.7</u>

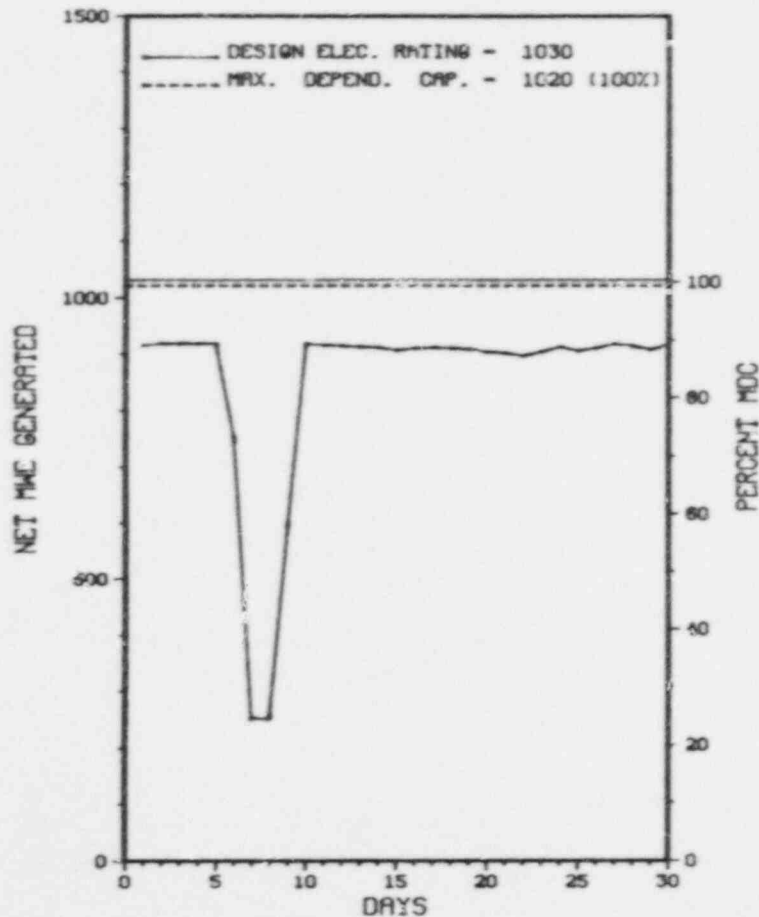
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
ICE CONDENSER SURV.-12/16/88-DURATION 32 HOURS.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
K COOK 1 K
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X COOK 1 X
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
270	06/06/88	F	0.0	A	5		HB	PIPEB	REACTOR POWER WAS REDUCED TO 30% TO PERMIT REPAIR OF A SUBSTANTIAL LEAK ON THE EAST MOISTURE SEPARATOR-REHEATER SHELL MAIN TANK VENT CONNECTION AT THE MSR SHELL. THE CAUSE OF THE LEAK WAS DETERMINED TO BE EROSION/CORROSION. A WELD IRREGULARITY WAS FOUND THAT MAY HAVE CONTRIBUTED TO THE FAILURE. THE VENT LINE WAS REPAIRED BY WELDING A LARGER DIAMETER PIPE OVER THE DAMAGED PIPE. REACTOR POWER WAS RETURNED TO 90% ON 880609.

XXXXXXXXXXXX
 * SUMMARY *
 XXXXXXXXXXXXXXX
 COOK 1 INCURRED 1 LOAD REDUCTION IN JUNE FOR REASONS STATED ABOVE WHILE OPERATING AT AN ADMINISTRATIVE RESTRICTED POWER LEVEL OF 90%.

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 JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 18, 1975
DATE ELEC ENER 1ST GENER...FEBRUARY 10, 1975
DATE COMMERCIAL OPERATF...AUGUST 27, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA MICHIGAN POWER CO.
CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CGRP.
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. JORGENSEN
LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-315
LICENSE & DATE ISSU...ICE...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 JANUARY 11-14, 25-28, AND MARCH 2 (88003; 88004): SPECIAL ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS AND LICENSEE EVENT REPORT FOLLOWUP. THE INSPECTION WAS PERFORMED IN ACCORDANCE WITH IE PROCEDURE 92700 AND 92701. OF THE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL MEASURES).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY THE D.C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT DESIGN CONTROL MEASURES BE PROVIDED FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, INCLUDING DESIGN CHANGES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ENSURE THAT ADEQUATE DESIGN CONTROL MEASURES WERE PROVIDED AS FOLLOWS: (A) THE LICENSEE FAILED TO PERFORM ADEQUATE INITIAL DESIGN REVIEWS REGARDING ELECTRICAL ISOLATION BETWEEN THE LOCAL SHUTDOWN AND INDICATION (LSI) PANELS. CONSEQUENTLY, A LOCAL FIRE COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (B) THE LICENSEE IMPLEMENTED DESIGN CHANGES TO UNIT 1 (ON DECEMBER 29, 1987) AND TO UNIT 2 (ON DECEMBER 30, 1987) TO CORRECT DESIGN DEFICIENCIES ASSOCIATED WITH ELECTRICAL ISOLATION BETWEEN LSI PANELS (SEE VIOLATION A. ABOVE). DURING REVIEWS OF THESE DESIGN CHANGES, THE LICENSEE FAILED TO VERIFY THE COORDINATION BETWEEN THE LSI PANEL FEEDER BREAKER AND THE NEWLY INSTALLED FUSES. CONSEQUENTLY, A CIRCUIT FAULT COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT

ENFORCEMENT SUMMARY

AND T-COLD TEMPERATURE INDICATION. (C) THE LICENSEE DISCOVERED (ON SEPTEMBER 17, 1987) DURING A SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) REVIEW, THAT A FUSE-BREAKER MISCOORDINATION EXISTED ON EACH SAFETY-RELATED 250 VDC BUS FOR BOTH UNITS. THUS, IN THE EVENT OF A FAULT IN CERTAIN BALANCE OF PLANT (BOP) CABLES, WHICH WOULD INVOLVE DISTRIBUTION PANELS FROM BOTH INDEPENDENT TRAINS, A LOSS OF CONTROL POWER ON BOTH INDEPENDENT TRAINS OF RELATED ESSENTIAL SAFETY SYSTEM (ESS) PANELS COULD HAVE OCCURRED. ESS LOADS THAT COULD HAVE BEEN AFFECTED WERE CERTAIN CONTAINMENT ISOLATION VALVES, REACTOR HEAD VENT VALVES, POST-ACCIDENT SAMPLING VALVES, AND STEAM GENERATOR STOP VALVE DUMP VALVES. 10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY THE D.C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT DESIGN CONTROL MEASURES BE PROVIDED FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, INCLUDING DESIGN CHANGES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ENSURE THAT ADEQUATE DESIGN CONTROL MEASURES WERE PROVIDED AS FOLLOWS: (A) THE LICENSEE FAILED TO PERFORM ADEQUATE INITIAL DESIGN REVIEWS REGARDING ELECTRICAL ISOLATION BETWEEN THE LOCAL SHUTDOWN AND INDICATION (LSI) PANELS. CONSEQUENTLY, A LOCAL FIRE COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (B) THE LICENSEE IMPLEMENTED DESIGN CHANGES TO UNIT 1 (ON DECEMBER 29, 1987) AND TO UNIT 2 (ON DECEMBER 30, 1987) TO CORRECT DESIGN DEFICIENCIES ASSOCIATED WITH ELECTRICAL ISOLATION BETWEEN LSI PANELS (SEE VIOLATION A. ABOVE). DURING REVIEWS OF THESE DESIGN CHANGES, THE LICENSEE FAILED TO VERIFY THE COORDINATION BETWEEN THE LSI PANEL FEEDER BREAKER AND THE NEWLY INSTALLED FUSES. CONSEQUENTLY, A CIRCUIT FAULT COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (C) THE LICENSEE DISCOVERED (ON SEPTEMBER 17, 1987) DURING A SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) REVIEW, THAT A FUSE-BREAKER MISCOORDINATION EXISTED ON EACH SAFETY-RELATED 250 VDC BUS FOR BOTH UNITS. THUS, IN THE EVENT OF A FAULT IN CERTAIN BALANCE OF PLANT (BOP) CABLES, WHICH WOULD INVOLVE DISTRIBUTION PANELS FROM BOTH INDEPENDENT TRAINS, A LOSS OF CONTROL POWER ON BOTH INDEPENDENT TRAINS OF RELATED ESSENTIAL SAFETY SYSTEM (ESS) PANELS COULD HAVE OCCURRED. ESS LOADS THAT COULD HAVE BEEN AFFECTED WERE CERTAIN CONTAINMENT ISOLATION VALVES, REACTOR HEAD VENT VALVES, POST-ACCIDENT SAMPLING VALVES, AND STEAM GENERATOR STOP VALVE DUMP VALVES. (8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE ASSISTANT PLANT MANAGER, ENGINEERING IS ACTING FOR THE TECHNICAL SUPERINTENDENT, PHYSICAL SCIENCE RADIATION PROTECTION MANAGER

PLANT STATUS:

DUE TO A SUBSTANTIAL STEAM LEAK ON 6/6/88, POWER REDUCED TO ABOUT 20% TO INSPECT/REPAIR MSR DRAIN. RETURNED TO ROUTINE 90% POWER ON 6/9/88

LAST IE SITE INSPECTION DATE: 06/13/88

INSPECTION REPORT NO: 88014

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X COCK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-03	052088	062088	PROCEDURE INADEQUACY RESULTS IN NOT TIME RESPONSE TESTING LOW SETPOINT POWER RANGE NEUTRON FLUX REACTOR TRIP

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: HIRSCH (616) 665-5901

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): ~~1337~~ X 0.85 = 1133

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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

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

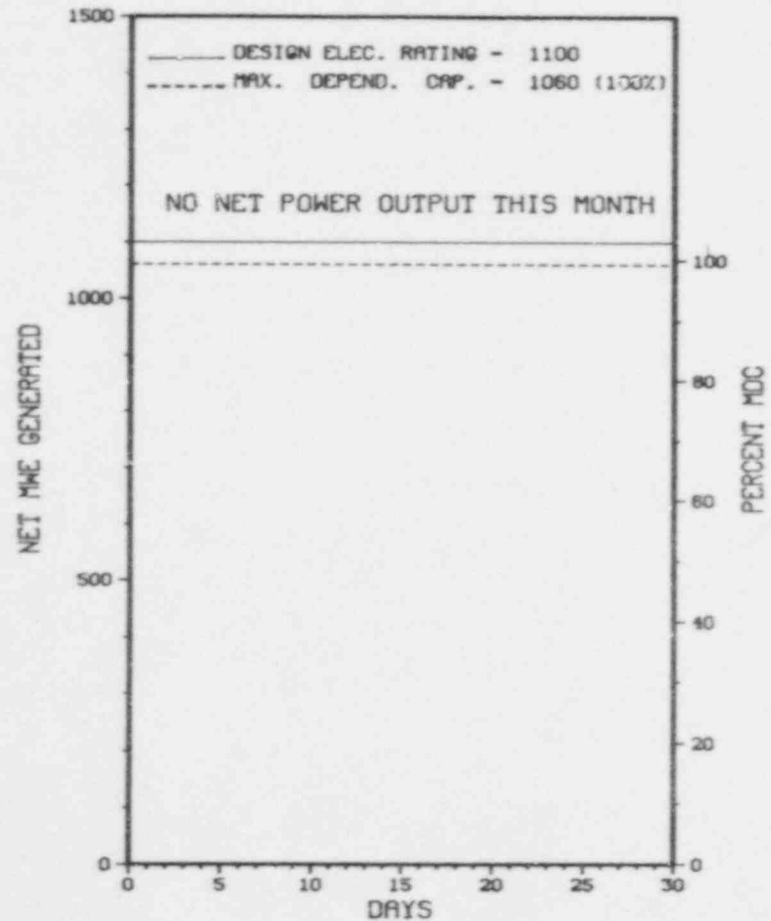
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>92,015.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,715.5</u>	<u>63,587.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>.0</u>	<u>2,715.1</u>	<u>62,210.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>7,410,979</u>	<u>191,990,217</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>2,419,600</u>	<u>61,896,040</u>
19. Net Elec Ener (MWH)	<u>.0</u>	<u>2,323,265</u>	<u>59,586,746</u>
20. Unit Service Factor	<u>.0</u>	<u>62.2</u>	<u>69.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>62.2</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>50.2</u>	<u>62.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>48.4</u>	<u>61.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,497.2</u>

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
189	04/23/86	S	720.0	B	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 880423 FOR CYCLE 6-7 REFUELING AND THE STEAM GENERATOR REPAIR PROJECT. THE REACTOR CORE IS CURRENTLY UNLOADED. THE EXPECTED DATE FOR RETURN TO SERVICE IS FEBRUARY 1989.

 * SUMMARY *

 COOK 2 REMAINED SHUTDOWN IN JUNE FOR STEAM GENERATOR REPLACEMENT AND REFUELING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & J
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 JUN 1988

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 POWER CO.
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. JORGENSEN
LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 11-14, 25-28, AND MARCH 2 (88003; 83004):
PREVIOUSLY IDENTIFIED ITEM AND LICENSEE EVENT REPORT FOLLOWUP.
92700 AND 92701. OF THE AREAS INSPECTED, ONE APPARENT VIOLATION
MEASURES). SPECIAL ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTIONS ON
THE INSPECTION WAS PERFORMED IN ACCORDANCE WITH IE PROCEDURE
WAS IDENTIFIED (FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III AS COMMITTED TO IN THE QUALITY ASSURANCE PROGRAM DESCRIPTION FOR THE DONALD C. COOK NUCLEAR
POWER PLANT REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN. CONTRARY TO THE
ABOVE, THE SUBSTITUTION OF WELD MATERIAL UTILIZED FOR THE CHEMICAL AND VOLUME CONTROL SYSTEM CROSS-TIE MODIFICATION DID NOT
RECEIVE AN ADEQUATE ENGINEERING REVIEW IN THAT THE SPECIFIED ASME CODE ALLOWABLE STRESS LIMITS WERE NOT CONSIDERED. TECHNICAL
SPECIFICATION SURVEILLANCE REQUIREMENT 4.3.1.1.1 REQUIRES THAT EACH REACTOR TRIP SYSTEM INSTRUMENTATION CHANNEL SHALL BE
DEMONSTRATED BY THE PERFORMANCE OF A CHANNEL CHECK FOR THE MODES AND AT THE FREQUENCIES SHOWN IN TABLE 4.3-1. TABLE 4.3-1
"REACTOR TRIP SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS" REQUIRES THAT A CHANNEL CHECK OF THE POWER RANGE NEUTRON FLUX
INSTRUMENTS AT LEAST ONCE PER 12 HOURS WHEN IN MODES 1 OR 2 AND WHEN THE REACTOR TRIP SYSTEM BREAKERS ARE CLOSED AND THE CONTROL
ROD DRIVE SYSTEM IS CAPABLE OF ROD WITHDRAWAL. CONTRARY TO THE ABOVE, DURING JUNE 26, 1986 THROUGH JUNE 29, 1986, AND AGAIN
DURING APRIL 16, 1987 THROUGH APRIL 20, 1987, THE LICENSEE FAILED TO PERFORM THE CHANNEL CHECKS AT THE REQUIRED 12 HOUR FREQUENCY

Report Period JUN 1988

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

XX
X X
X X
XX

ENFORCEMENT SUMMARY

WHILE UNIT 2 WAS IN MODE 3 WITH THE REACTOR TRIP SYSTEM BREAKERS CLOSED AND THE CONTROL ROD DRIVE SYSTEM CAPABLE OF ROD WITHDRAWAL. THE LONGEST INTERVAL WHERE A CHANNEL CHECK WAS NOT PERFORMED AS REQUIRED WAS 35 HOURS.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT CONTINUED IN AN OUTAGE THAT BEGAN 4/23/88 FOR S/G REPLACEMENT. SEVERAL ITEMS AHEAD OF SCHEDULE AND CUMULATIVE MAN-REMS WERE ABOUT 25% BELOW PROJECTIONS.

LAST IE SITE INSPECTION DATE: 06/13/88

INSPECTION REPORT NO: 88016

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

=====

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

=====

1. Docket: 50-298 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. T. SCHEUERMAN (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): _____

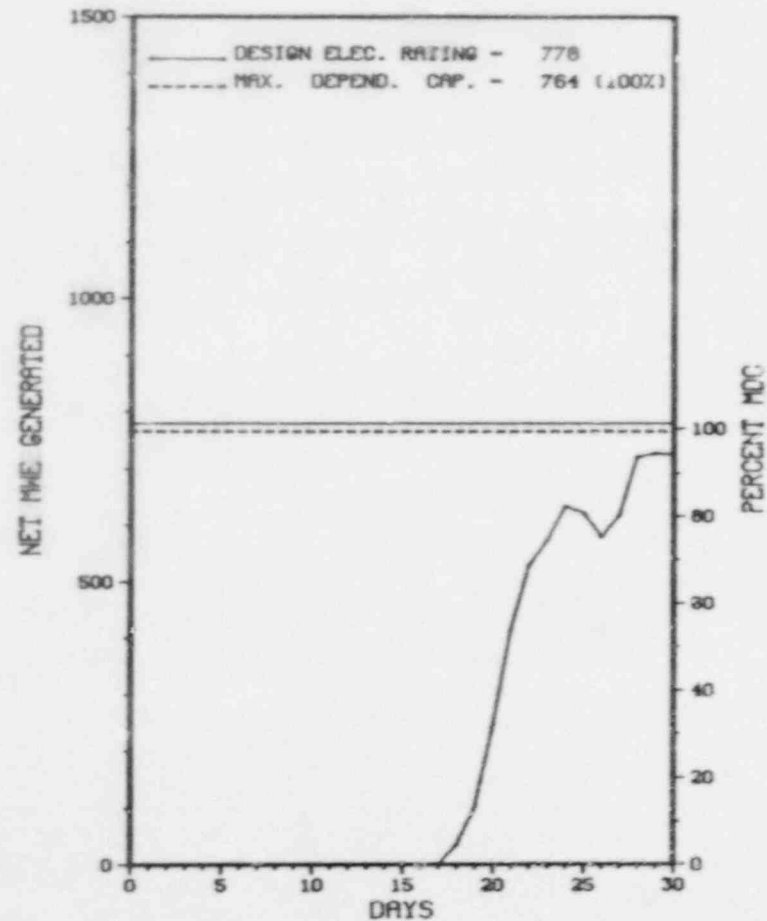
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>122,736.0</u>
13. Hours Reactor Critical	<u>331.7</u>	<u>1,628.7</u>	<u>91,636.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>294.9</u>	<u>1,576.1</u>	<u>90,120.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>510,192</u>	<u>3,139,632</u>	<u>177,770,539</u>
18. Gross Elec Ener (MWH)	<u>159,487</u>	<u>1,031,514</u>	<u>57,090,595</u>
19. Net Elec Ener (MWH)	<u>156,041</u>	<u>996,137</u>	<u>55,024,761</u>
20. Unit Service Factor	<u>41.0</u>	<u>36.1</u>	<u>73.4</u>
21. Unit Avail Factor	<u>41.0</u>	<u>36.1</u>	<u>73.4</u>
22. Unit Cap Factor (MDC Net)	<u>28.4</u>	<u>29.9</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>27.9</u>	<u>29.3</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>14.1</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>259.3</u>	<u>3,953.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X COOPER STATION X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOPER STATION



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X COOPER STATION X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	03/05/88	S	422.7	C	4				REACTOR SHUTDOWN FOR 1988 (EOC11) REFUELING AND MAINTENANCE OUTAGE. TOTAL OUTAGE DURATION WAS 2529.2 HOURS.
88-03	06/19/88	S	1.7	B	1				GENERATOR OFF-LINE FOR TURBINE TESTING.
88-04	06/19/88	S	0.7	B	1				GENERATOR OFF-LINE FOR GENERATOR ELECTRICAL PROTECTION SYSTEM MAINTENANCE.

XXXXXXXXXX COOPER STATION ENTERED JUNE SHUTDOWN FOR REFUELING.
 X SUMMARY X SUBSEQUENTLY, INCURRED 2 SCHEDULED OUTAGES WHILE RETURNING
 XXXXXXXXXXXX TO POWER.

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 JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA
COUNTY.....NEMAHA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...23 MI S OF
NEBRASKA CITY, NEB
TYPE OF REACTOR.....DWR
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.....W. BENNETT
LICENSING PROJ MANAGER.....W. LONG
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE...DPR-46, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
118 15TH STREET
AUBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

INSPECTION CONDUCTED APRIL 25-29, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S LIQUID AND GASEOUS RADIOACTIVE WASTE MANAGEMENT PROGRAMS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 16 - MAY 31, 1988 (88-14) ROUTINE, UNANNOUNCED INSPECTION OF ALLEGATIONS FOLLOWUP, SEISMIC SUPPORTS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, ESF WALKDOWN, REFUELING, RADIOLOGICAL PROTECTION, AND SECURITY. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 25-29, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS, AUDITS, TESTING AND MAINTENANCE, COMPENSATORY MEASURES, AND TRAINING AND QUALIFICATIONS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 16-17 AND 23-27, 1988 (88-17) ROUTINE, ANNOUNCED INSPECTION OF THE CILRT, AND THE OPERABILITY EVALUATION OF ESSENTIAL PIPING SYSTEMS FOR THE COOPER NUCLEAR STATION. WITHIN THE TWO AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 3.6.E.1 THE LICENSEE FAILED TO PERFORM JET PUMP OPERABILITY TESTS UNTIL THE REACTOR WAS AT

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* COOPER STATION *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

POWER. CONTRARY TO TECHNICAL SPECIFICATION 6.3.2 AND SURVEILLANCE PROCEDURE 6.4.5.17 THE LICENSEE FAILED TO PERFORM MONTHLY INSPECTION FOR FIRE EXTINGUISHERS LOCATED ON VARIOUS ELECTRIC AND OXYGEN-ACETYLENE WELDERS. CONTRARY TO APP.B CRITERION V AND CNS PROCEDURE 0.26 THE LICENSEE FAILED TO PERFORM AN ADEQUATE REVIEW OF SURVEILLANCE PROCEDURES 6.4.5.1, 6.4.5.17, AND GENERAL OPERATING PROCEDURE 2.1.1.2.
(8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT STARTUP - 75% POWER ASCENSION 6-23-88

LAST IE SITE INSPECTION DATE: MAY 31, 1988

INSPECTION REPORT NO: 50-298/88-14

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X COOPER STATION X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-006	05/16/88	04/12/88	UNPLANNED AUTOMATIC ACTUATION OF DIESEL GENERATOR NO.1 STARTING LOGIC DUE TO 4169V AC BREAKER DURING RELAY COVER REPLACEMENT
88-007	05/25/88	04/25/88	UNPLANNED ACTUATIONS OF THE REACTOR PROTECTION SYSTEM AND GROUP ISOLATIONS 2 AND 6 DURING DESIGN CHANGE ACTIVITIES DUE TO INCORRECT DESIGN CHANGE INSTRUCTIONS.
88-008	04/06/88	05/06/88	FAILURE OF RHR INBOARD INJECTION VALVES TO CLOSE DURING SURVEILLANCE TESTING
88-009	04/07/88	05/06/88	SETPOINT VARIANCE AND OPERABILITY CONCERNS ASSOCIATED WITH SAFETY RELIEF VALVES AND SAFETY VALVES DISCOVERED DURING SURVEILLANCE TESTING
88-010	01/23/88	05/12/88	FAILURE OF ONE CORE SPRAY SYSTEM SUCTION VALVE TO CLOSE DURING SURVEILLANCE TESTING DUE TO INCORRECTLY INSTALLED MOTOR OPERATOR PINION GEAR
88-011	04/18/88	05/18/88	UNPLANNED ACTUATION OF AN ENGINEERED SAFETY FEATURE DURING PERFORMANCE OF MAINTENANCE ON THE 24V DC BATTERY SYSTEM
88-012	04/22/88	05/19/88	UNPLANNED ACTUATION OF GROUP ISOLATION ENGINEERED SAFETY FEATURES WHILE SHUTDOWN DUE TO RELAY FAILURE
88-013	04/26/88	05/26/88	UNPLANNED ACTUATIONS OF GROUPS 2 AND 6 ISOLATIONS DUE TO PERSONNEL ERROR AND HUMAN FACTORS DEFICIENCIES
88-014	05/05/88	06/02/88	UNPLANNED ACTUATION OF GROUP 6 ISOLATION DUE TO A FUSE FAILURE WHILE SHUTDOWN
88-015	05/08/88	06/10/88	UNPLANNED ACTUATION OF THE REACTOR PROTECTION SYSTEM AND ENGINEERED SAFETY FEATURE GROUP ISOLATIONS DUE TO A PROCEDURAL DEFICIENCY DURING DESIGN CHANGE ACTIVITIES

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2544

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

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>99,071.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,096.0</u>	<u>63,422.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-line	<u>720.0</u>	<u>4,030.6</u>	<u>62,044.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,825,788</u>	<u>9,895,803</u>	<u>139,642,991</u>
18. Gross Elec Ener (MWH)	<u>623,837</u>	<u>3,402,347</u>	<u>47,776,462</u>
19. Net Elec Ener (MWH)	<u>594,520</u>	<u>3,240,700</u>	<u>45,373,882</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.3</u>	<u>62.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.3</u>	<u>62.6</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>90.4</u>	<u>55.8</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>89.9</u>	<u>55.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>22.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>93.9</u>	<u>17,728.9</u>

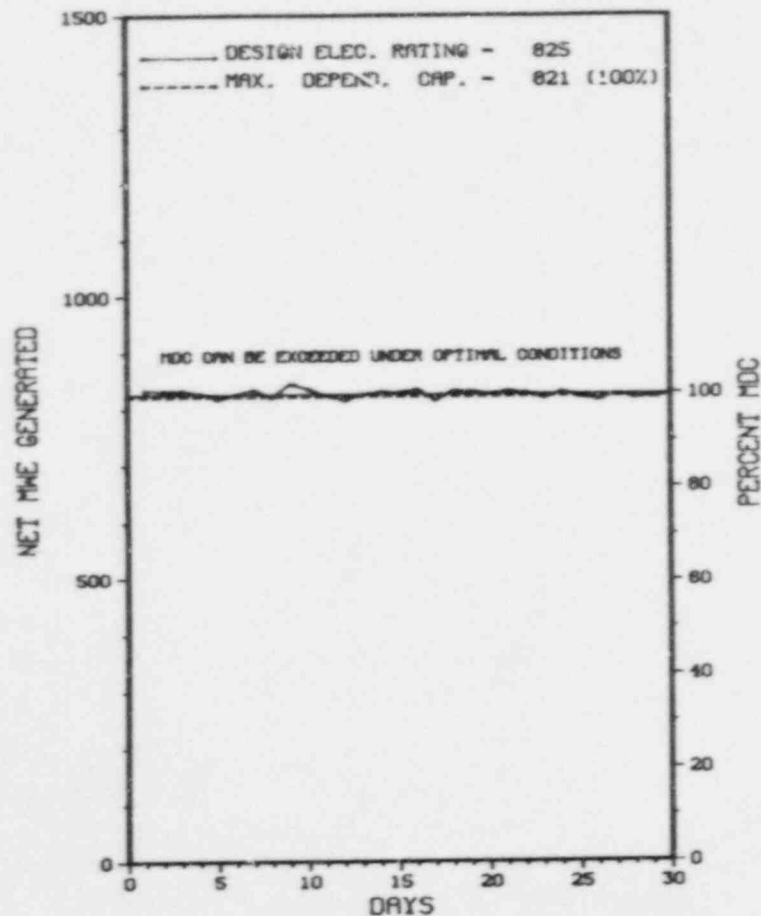
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CRYSTAL RIVER 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* CRYSTAL RIVER 3 *
XX

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

NONE

XXXXXXXXXXXX CRYSTAL RIVER 3 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES
* SUMMARY * OR SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUPTY.....CITRUS

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NW OF
CRYSTAL RIVER, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 14, 1977
DATE ELEC ENER 1ST GENER...JANUARY 30, 1977
DATE COMMERCIAL OPERATE...MARCH 13, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...GULF OF MEXICO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION

CORPORATE ADDRESS.....3201 34TH STREET, SOUTH
ST PETERSBURG, FLORIDA 33733

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

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

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER....H. SILVER
DOCKET NUMBER.....50-302

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

PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32629

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

INSPECTION SUMMARY

+ INSPECTION MARCH 28 - APRIL 8 (88-09): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF REVIEW OF THE ADEQUACY OF EMERGENCY OPERATION PROCEDURES. ALTHOUGH NUMEROUS TECHNICAL AND HUMAN FACTORS DEFICIENCIES WERE IDENTIFIED, THE EMERGENCY OPERATING PROCEDURES WERE FOUND TO BE ADEQUATE FOR CONTINUED OPERATION OF THE FACILITY. THE LICENSEE COMMITTED TO REVIEW THE DEFICIENCIES AND TAKE PROMPT CORRECTIVE ACTION TO RESOLVE THEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16 - MAY 11 (88-14): THIS ROUTINE INSPECTION WAS CONDUCTED BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, REVIEW OF NRC BULLETINS AND CIRCULARS, OFFSITE REVIEW COMMITTEE ACTIVITIES, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED: FAILURE TO ADHERE TO PLANT PROCEDURES; FAILURE TO MEET A COMMITMENT AS SPECIFIED IN THE FSAR. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING OPERABILITY OF THE INCORE THERMOCOUPLE TEMPERATURE MONITORING SYSTEM.

INSPECTION MAY 23-27 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; RECORDS AND REPORTS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ALARM STATIONS; COMMUNICATIONS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS WITHIN THE NINE AREAS INSPECTED.

Report Period JUN 1988

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

XX
X CRYSTAL RIVER 3 X
XX

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.4.4.2, THE EMERGENCY POWER SUPPLY FOR THE OPERABLE SET OF PRESSURIZER HEATERS HAD NOT BEEN PERIODICALLY TESTED TO ENSURE OPERABILITY.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 21, 1988 +

INSPECTION REPORT NO: 50-302/88-23 +

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: MORTEZA KHARZRAI (419) 249-5000 X7290

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

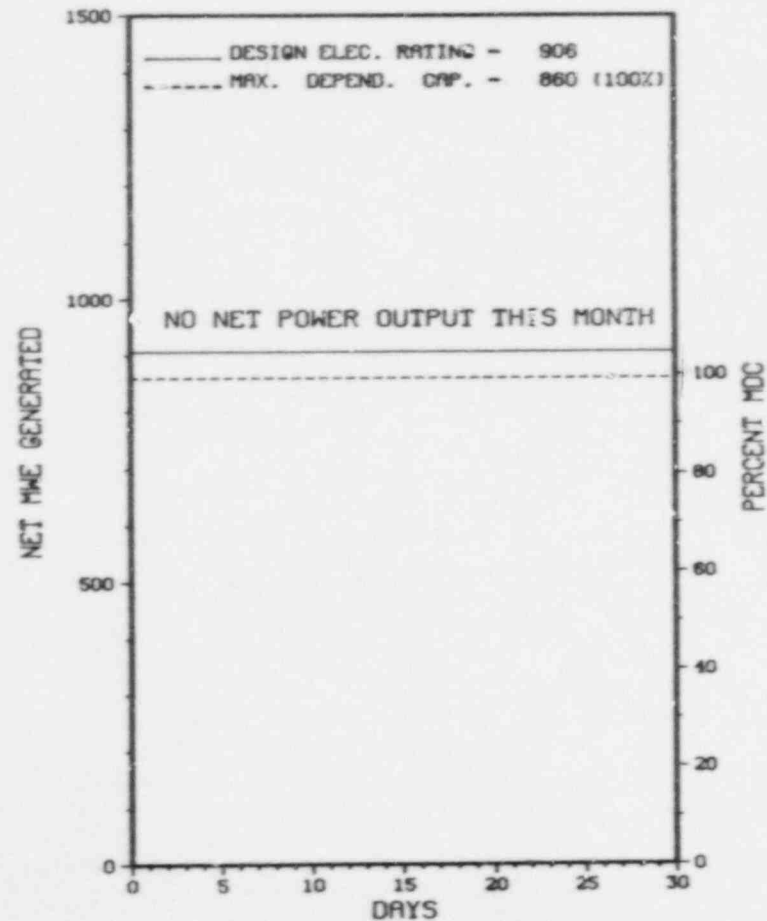
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>86,952.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,661.3</u>	<u>45,143.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,050.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,580.0</u>	<u>43,380.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,306,442</u>	<u>101,268,640</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,072,485</u>	<u>33,448,288</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>998,787</u>	<u>31,299,434</u>
20. Unit Service Factor	<u>.0</u>	<u>36.2</u>	<u>49.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>36.2</u>	<u>51.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>26.6</u>	<u>41.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>25.2</u>	<u>39.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>32.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>21,470.0</u>

26. Shutdowns Sched Over Next 6 Mon^{ths} (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/88

XX
 X DAVIS-BESSE 1 X
 XX

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



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* DAVIS-BESSE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/10/88	S	720.0	C	4				THE UNIT OUTAGE WHICH BEGAN ON MARCH 10, 1988 WAS STILL IN PROGRESS THROUGH THE END OF JUNE, 1988.

XXXXXXXXXXXX DAVIS-BESSE 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED
* SUMMARY * REFUELING OUTAGE.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* DAVIS-BESSE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 9 THROUGH MAY 15 (88010): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; LICENSEE EVENTS; BULLETINS; AND FIRE PROTECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 9-13 (88014): ROUTINE, ANNOUNCED SAFETY INSPECTION OF DEFUELING ACTIVITIES (60710). ONE UNRESOLVED ITEM WAS IDENTIFIED WHICH INVOLVED A MODIFICATION TO THE FUEL SHAPPLE ON THE THREE FUEL HANDLING BRIDGES. ONE VIOLATION WAS IDENTIFIED FOR PERMITTING A FUEL HANDLER TO OPERATE EQUIPMENT ON WHICH HE WAS NOT ADEQUATELY TRAINED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A. REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED FOR ACTIVITIES LISTED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. APPENDIX "A" SECTION 3.C. OF REGULATORY GUIDE 1.33 LISTS FILLING AND VENTING THE MAIN STEAM SYSTEM AS AN ACTIVITY. CONTRARY TO THE ABOVE ON MARCH 11, 1988, THE LICENSEE FAILED TO IMPLEMENT PLANT PROCEDURE PP 1102.10, REVISION 16, DATED JULY 21, 1985, "PLANT SHUTDOWN AND COOLDOWN", IN THAT IT DID NOT VENT THE STEAM GENERATORS DURING FILL TO PREVENT PRESSURIZATION WITH THE MAIN STEAM ISOLATION VALVES CLOSED.

ENFORCEMENT SUMMARY

(8800 4)

TECHNICAL SPECIFICATIONS, SECTION 6.8.1.B, STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING ACTIVITIES SUCH AS REFUELING OPERATIONS. DUCED EDISON CO. PROCEDURE AD 1828.16, "NON-LICENSED OPERATOR PROFICIENCY TRAINING PROGRAM," REVISION 3, AS IT PERTAINS TO THE TRAINING OF REFUELING EQUIPMENT OPERATORS, STATES IN PART 5.1: "THE PLANT MANAGER IS CHARGED WITH THE OVERALL RESPONSIBILITY FOR ENSURING THAT PERSONNEL ASSIGNED TO THE FACILITY STAFF ARE QUALIFIED IN ACCORDANCE WITH THE NUCLEAR QUALITY ASSURANCE (NQA)." PROCEDURE PP 1501.01, "FUEL LOADING AND REFUELING LIMITS AND PRECAUTION," REVISION 8, PART 5.4.1 STATES, IN PART, THAT REFUELING PERSONNEL MUST BE THOROUGHLY TRAINED IN THE USE OF HANDLING EQUIPMENT AND TOOLS WHICH THEY WILL USE. PART 15.4.1.1 OF THE NQA STATES, IN PART, THAT INITIAL AND CONTINUING TRAINING PROGRAMS SHALL BE ESTABLISHED FOR NUCLEAR GROUP AND SUPPORT PERSONNEL TO ENSURE THAT THEY ARE KNOWLEDGEABLE OF APPLICABLE EQUIPMENT AND CAPABLE OF PERFORMING THE ASSIGNED DUTIES OF THEIR INTENDED POSITION. CONTRARY TO THE ABOVE, ON MAY 11, 1988 DURING DEFUELING OPERATIONS A REFUELING EQUIPMENT OPERATOR DEMONSTRATED A LACK OF SUFFICIENT KNOWLEDGE TO OPERATE REFUELING EQUIPMENT, AS EVIDENCED BY AN INABILITY TO OPERATE THE EQUIPMENT WITHOUT SIGNIFICANT ASSISTANCE FROM OTHER PERSONNEL.

(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

TWO MAIN STEAM SAFETY VALVES (MSSV) WERE REPLACED WITH BLANK FLANGES. ONE FAILED AFTER THE PLANT TRIP ON SEPTEMBER 6, 1987, THE SECOND WAS REMOVED DUE TO INDICATIONS OF WEAR WHICH MAY BE A PRECURSOR TO FAILURE. A THIRD MSSV WAS GAGGED SHUT ON OCTOBER 9, 1987, AFTER ADDITIONAL ENGINEERING EVALUATIONS AND INSPECTIONS REVEALED SIGNS OF ANOTHER POSSIBLE FAILURE PRECURSOR.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

SALP MEETING WITH THE LICENSEE AT THE SITE ON MARCH 30, 1988

PLANT STATUS:

SHUT DOWN FOR A 6 MONTH MAINTENANCE/MODIFICATION/REFUELING OUTAGE. RESTART ABOUT MID- SEPTEMBER, 1988.

LAST IE SITE INSPECTION DATE: 04/14/88

INSPECTION REPORT NO: 88013

Report Period JUN 1988

REPORTS FROM LICENSEE

XX
X DAVIS-BESSE 1 X
XX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-01	051488	061388	SECURITY EVENT REPORT - MISSING SECURITY KEYS
88-12	050988	060888	INADVERTENT SFAS INITIATION DUE TO RADIOACTIVE MATERIAL TRANSFER
88-13	041988	060588	INOPERABLE FIRE DETECTION DUE TO INADEQUATE DESIGN

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-275 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: P. BEDASAM (805) 795-4097

4. Licensed Thermal Power (Mwt): 3338

5. Nameplate Rating (Gross MWe): 1137

6. Design Electrical Rating (Net MWe): 1086

7. Maximum Dependable Capacity (Gross MWe): 1124

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

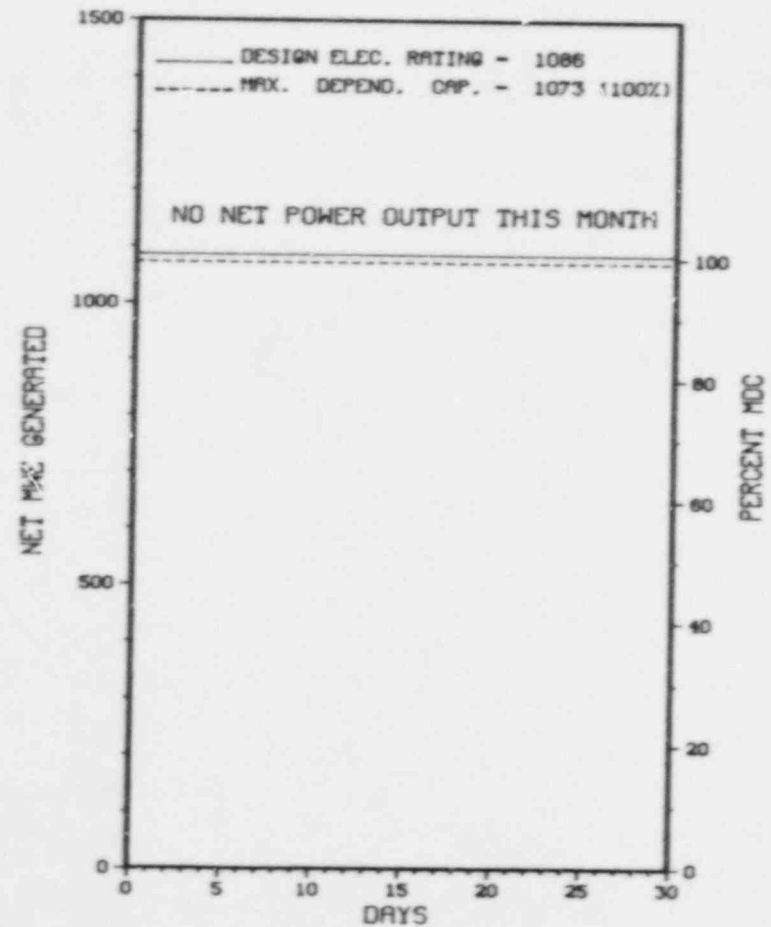
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>27,621.3</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,531.6</u>	<u>21,270.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,523.3</u>	<u>20,831.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,020,604</u>	<u>62,985,067</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,355,000</u>	<u>21,205,832</u>
19. Net Elec Ener (MWH)	<u>-13,589</u>	<u>1,255,250</u>	<u>20,066,952</u>
20. Unit Service Factor	<u>.0</u>	<u>34.9</u>	<u>75.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>34.9</u>	<u>75.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>26.8</u>	<u>67.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>26.5</u>	<u>66.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>59.9</u>	<u>840.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 07/09/88

XX
X DIABLO CANYON 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DIABLO CANYON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	03/06/88	S	720.0	C	4			SCHEDULED REFUELING OUTAGE.

XXXXXXXXXXXX DIABLO CANYON 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED
X SUMMARY X REFUELING OUTAGE.
XXXXXXXXXXXX

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

FACILITY DESCRIPTION

LOCATION
STATE.....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.....J. BURDOIN

LICENSING PROJ MANAGER.....H. ROOD
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 APRIL 4 - 8, 1988 (REPORT NO. 50-275/88-08) REPORT CANCELLED.
- + INSPECTION ON APRIL 10 - MAY 28, 1988 (REPORT NO. 50-275/88-11) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: TWO VIOLATIONS WERE IDENTIFIED. THE FIRST DEALT WITH INEFFECTIVE CORRECTIVE ACTION IN DEALING WITH THE LOSS OF SYSTEM CLEANLINESS CONTROL. THE SECOND VIOLATION DEALT WITH MECHANICS FAILING TO FOLLOW PROCEDURES DURING MAINTENANCE ACTIVITIES.
- + INSPECTION ON JULY 11 - 22, 1988 (REPORT NO. 50-275/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 31 - JUNE 17, 1988 (REPORT NO. 50-275/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 29 - JULY 19, 1988 (REPORT NO. 50-275/88-17) 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:

THE PLANT IS IN A REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 07/11 - 22/88+

INSPECTION REPORT NO: 50-275/88-15+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-09-10	04-07-88	05-26-88	WESTINGHOUSE RELAYS EXP DEGRADATION DUE TO GRANULES OF COIL POTTING COMPOUND LODGING RELAY ARM & COIL
88-12-10	04-22-88	05-23-88	TS 4.11.2 NONCOMPLIANCE DUE TO PERSONNEL ERROR
88-15-10	05-07-88	06-02-88	RCP MOTOR UPPER OIL RESERVOIR ASSEMBLIES DEGRADATION ATTRIBUTES TO METAL FATIGUE.

1. Docket: 50-323 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: P. BEDESEM (805) 595-6097

4. Licensed Thermal Power (Mht): 3411

5. Nameplate Rating (Gross MWe): 1164

6. Design Electrical Rating (Net MWe): 1119

7. Maximum Dependable Capacity (Gross MWe): 1137

8. Maximum Dependable Capacity (Net MWe): 1087

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>20,180.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,300.2</u>	<u>17,216.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,299.6</u>	<u>16,784.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,357,323</u>	<u>14,360,763</u>	<u>53,622,750</u>
18. Gross Elec Ener (MWH)	<u>785,000</u>	<u>4,790,500</u>	<u>17,778,199</u>
19. Net Elec Ener (MWH)	<u>746,698</u>	<u>4,557,945</u>	<u>16,821,337</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.5</u>	<u>83.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.5</u>	<u>83.2</u>
22. Unit Cap Factor (MDC Net)	<u>95.4</u>	<u>96.0</u>	<u>76.7</u>
23. Unit Cap Factor (DER Net)	<u>92.7</u>	<u>93.3</u>	<u>74.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.5</u>	<u>8.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>67.4</u>	<u>1,572.8</u>

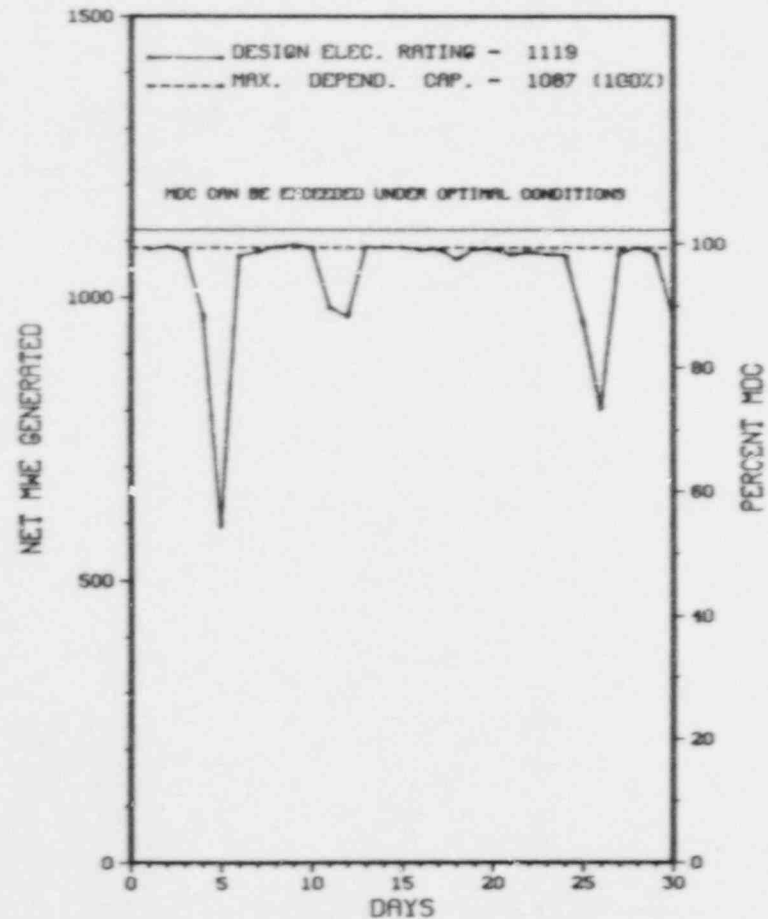
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-SEPT. 15, 1988-70 DAY DURATION.

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

* DIABLO CANYON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	06/04/88	S	0.0	B	5		SG	COND	UNIT 2 REDUCED POWER TO 50% TO BACKFLUSH CONDENSER WATERBOXES.
2	06/11/88	S	0.0	B	5		SG	COND	UNIT 2 REDUCED POWER TO 50% TO CLEAN CONDENSER WATERBOXES.
3	06/25/88	S	0.0	B	5		SG	COND	UNIT 2 REDUCED POWER TO 50% TO CLEAN CONDENSER TUBESHEETS AND TO DREDGE TUNNELS.
4	06/30/88	F	0.0	A	5		SG	SCN	UNIT 2 REDUCED POWER TO 50% TO REPAIR AN INTAKE SCREEN.

 * SUMMARY *

 DIABLO CANYON 2 INCURRED FOUR POWER REDUCTIONS IN JUNE FOR REASONS STATED 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 JUN 1988

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...MARCH 13, 1986
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING MEDIUM...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. BURDOIN
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-323
LICENSE & DATE ISSUANCE...DPR-82, AUGUST 26, 1985
PUBLIC DOCUMENT ROOM.....ROBERT F. KENNEDY LIBRARY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 95407

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

INSPECTION SUMMARY

* INSPECTION ON APRIL 10 - MAY 28, 1988 (REPORT NO. 50-323/88-10) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: TWO VIOLATIONS WERE IDENTIFIED. THE FIRST DEALT WITH INEFFECTIVE CORRECTIVE ACTION IN DEALING WITH THE LOSS OF SYSTEM CLEANLINESS CONTROL. THE SECOND VIOLATION DEALT WITH MECHANICS FAILING TO FOLLOW PROCEDURES DURING MAINTENANCE ACTIVITIES.

+ INSPECTION ON JULY 11 - 22, 1988 (REPORT NO. 50-323/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 31 - JUNE 17, 1988 (REPORT NO. 50-323/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 29 - JULY 9, 1988 (REPORT NO. 50-323/88-16) 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:

THE PLANT IS IN COMMERCIAL OPERATION, AT APPROXIMATELY 100% POWER.

LAST IE SITE INSPECTION DATE: 07/11 - 22/88+

INSPECTION REPORT NO: 50-323/88-14+

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: 50-257 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489

4. Licensed Thermal Power (MWT): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>158,951.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,066.3</u>	<u>120,638.6</u>
14. Rx Reserve Shutdown Hrs	<u>0</u>	<u>0</u>	<u>0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,074.7</u>	<u>154,118.5</u>
16. Unit Reserve Shutdown Hrs	<u>0</u>	<u>0</u>	<u>0</u>
17. Gross Therm Ener (MWH)	<u>1,618,155</u>	<u>9,053,552</u>	<u>237,072,375</u>
18. Gross Elec Ener (MWH)	<u>506,539</u>	<u>2,884,572</u>	<u>75,824,542</u>
19. Net Elec Ener (MWH)	<u>480,186</u>	<u>2,747,145</u>	<u>71,683,323</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.2</u>	<u>72.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.2</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>86.4</u>	<u>81.5</u>	<u>58.4</u>
23. Unit Cap Factor (DER Net)	<u>84.0</u>	<u>79.2</u>	<u>56.8</u>
24. Unit Forced Outage Rate	<u>0</u>	<u>.2</u>	<u>11.3</u>
25. Forced Outage Hours	<u>0</u>	<u>7.1</u>	<u>7,164.1</u>

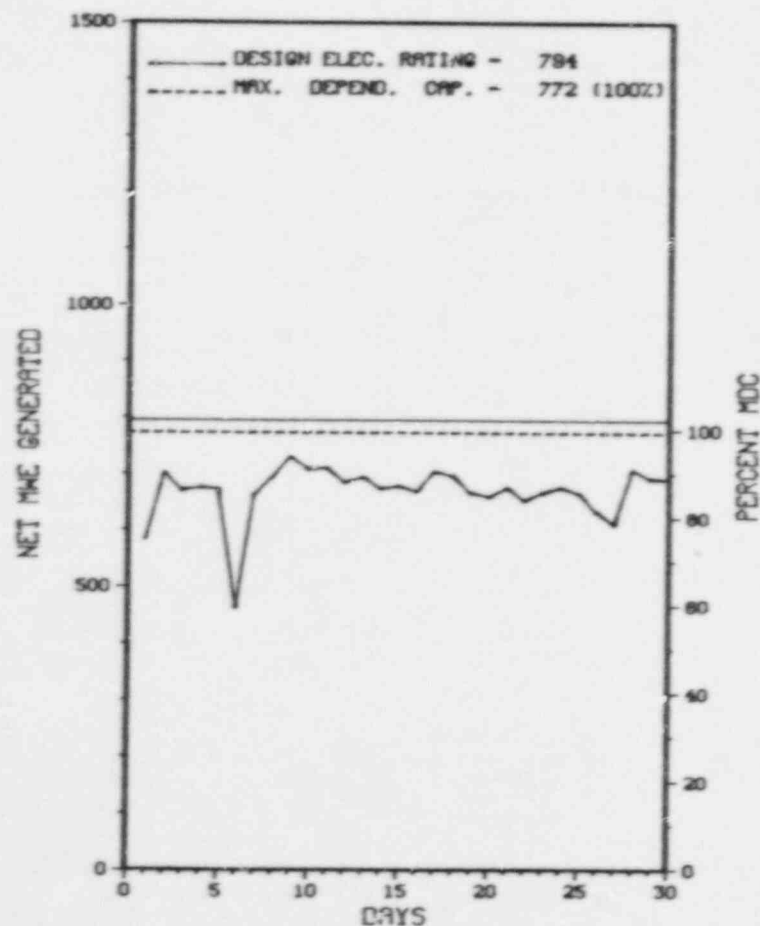
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 1988 - FIFTEEN WEEK DURATION.

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

* DRESDEN 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X DRESDEN 2 X
 XXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	06/06/88	F	0.0	A	5		AD	XCT	2B REACTOR RECIRCULATION PUMP MOTOR GENERATOR (M.G.) SET TRIPPED CAUSING A LOAD REDUCTION.
7	06/27/88	S	0.0	F	5				REDUCED LOAD TO MINIMUM RECIRC. PUMP SPEED UPON REQUEST OF THE LOAD DISPATCHER.

XXXXXXXXXXXX DRESDEN 2 INCURRED 2 POWER REDUCTIONS IN JUNE FOR REASONS
 X SUMMARY X STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* DRESDEN 2 *

FACILITY DATA

Report Period JUN 1988

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.....S. DUPONT
LICENSING PROJ MANAGER....B. SIEGEL
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON APRIL 11-15 AND 25-29 (88008; 88009): ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE ACTIVITIES AND LICENSEE'S ACTION ON A PREVIOUS INSPECTION FINDING, USING SELECTED PORTIONS OF INSPECTION MODULES 62700, 62702, 62704, 62705, 92701, AND 92720. MAINTENANCE WAS ACCOMPLISHED, EFFECTIVE, AND SELF ASSESSED; HOWEVER, CONTINUED AGGRESSIVE AND SIGNIFICANT INVOLVEMENT BY MANAGEMENT IS NEEDED TO IMPROVE AND MAINTAIN THE QUALITY OF NEWLY DEVELOPED MAINTENANCE PROGRAMS ESPECIALLY IN PREVENTATIVE MAINTENANCE OF BALANCE OF PLANT COMPONENTS. MANAGEMENT ATTENTION IS NEEDED TO IMPROVE THE WORK REQUEST PROCESS AND THE DOCUMENTATION OF WORK DONE, AND OTHERWISE ELIMINATE WEAKNESSES THAT COULD LIMIT FUTURE HISTORICAL TRENDING AND ROOT CAUSE ANALYSIS OF COMPONENT PROBLEMS.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE PROCEDURES OR INSTRUCTIONS THAT WERE IN PLACE TO CONTROL RIGGING ACTIVITIES THAT COULD AFFECT QUALITY WERE FOUND TO BE INADEQUATE. DRESDEN MAINTENANCE PROCEDURE DMP 5800-3, REVISION 3, "SAFE RIGGING PRACTICES," WAS INADEQUATE BECAUSE IT DID NOT SPECIFY WHAT APPARATUS A CHAIN FALL CAN BE ATTACHED TO OR SUSPENDED FROM WHENEVER LIFTING LOADS. THIS RESULTED IN A BROKEN NITROGEN MAKEUP SUPPLY LINE TO BOTH UNITS 2 AND 3 AND DECLARATION OF AN UNUSUAL EVENT ON APRIL 29, 1988.

ENFORCEMENT SUMMARY

(8800 4)

10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE. 10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE.

(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING ROUTINELY AT APPROXIMATE FULL POWER. POWER REDUCED SLIGHTLY DUE TO FEEDWATER HEATER PROBLEMS AND DUE TO TEMPERATURE/DROUGHT RESTRICTIONS

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88014

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* DRESDEN 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	050488	060188	CONTROL ROD DRIVE SCRAM TESTING SURVEILLANCE INTERVAL EXCEEDED DUE TO A SCRAM TESTING PROCEDURE DEFICIENCY
88-09	050988	060188	HPCI SYSTEM INOPERABLE DUE TO GLAND SEAL LEAK OFF PUMP TRIP CAUSED BY MOTOR BRUSH ASSEMBLY FAILURE
88-10	051588	061588	INADVERTENT REACTOR PROTECTION SYSTEM (RPS) ACTUATION DUE TO PERSONNEL ERROR
88-11	051588	061588	SECONDARY CONTAINMENT DEGRADED BY REMOVAL OF MAIN STEAM LINE PENETRATION SEALS DUE TO MANAGEMENT DEFICIENCY
88-12	051788	061588	MAIN STEAM ISOLATION VALVES FAILURE TO CLOSE DUE TO HIGH STEM DRAG FORCES CAUSED BY VALVE PACKING

ENFORCEMENT SUMMARY

(8800 4)

10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE. 10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONHEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE.

(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING ROUTINELY AT APPROXIMATELY FULL POWER. POWER REDUCED SLIGHTLY DUE TO FEEDWATER HEATER PROBLEMS AND DUE TO TEMPERATURE/DROUGHT RESTRICTIONS

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88014

Report Period JUN 1988

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

* DRESDEN 2 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	050488	060188	CONTROL ROD DRIVE SCRAM TESTING SURVEILLANCE INTERVAL EXCEEDED DUE TO A SCRAM TESTING PROCEDURE DEFICIENCY
88-09	050988	060188	HPCI SYSTEM INOPERABLE DUE TO GLAND SEAL LEAK OFF PUMP TRIP CAUSED BY MOTOR BRUSH ASSEMBLY FAILURE
88-10	051588	061388	INADVERTENT REACTOR PROTECTION SYSTEM (RPS) ACTUATION DUE TO PERSONNEL ERROR
88-11	051588	061388	SECONDARY CONTAINMENT DEGRADED BY REMOVAL OF MAIN STEAM LINE PENETRATION SEALS DUE TO MANAGEMENT DEFICIENCY
88-12	051788	061588	MAIN STEAM ISOLATION VALVES FAILURE TO CLOSE DUE TO HIGH STEM DRAG FORCES CAUSED BY VALVE PACKING

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489

4. Licensed Thermal Power (MWh): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>148,536.0</u>
13. Hours Reactor Critical	<u>133.0</u>	<u>2,199.4</u>	<u>105,607.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>107.3</u>	<u>2,173.3</u>	<u>101,020.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>131,048</u>	<u>4,923,769</u>	<u>206,299,291</u>
18. Gross Elec Ener (MWH)	<u>39,643</u>	<u>1,597,266</u>	<u>66,628,508</u>
19. Net Elec Ener (MWH)	<u>32,487</u>	<u>1,514,353</u>	<u>63,092,173</u>
20. Unit Service Factor	<u>14.9</u>	<u>49.8</u>	<u>68.0</u>
21. Unit Avail Factor	<u>14.9</u>	<u>49.8</u>	<u>68.0</u>
22. Unit Cap Factor (MDC Net)	<u>5.8</u>	<u>44.9</u>	<u>54.9</u>
23. Unit Cap Factor (DER Net)	<u>5.7</u>	<u>43.7</u>	<u>53.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,463.9</u>

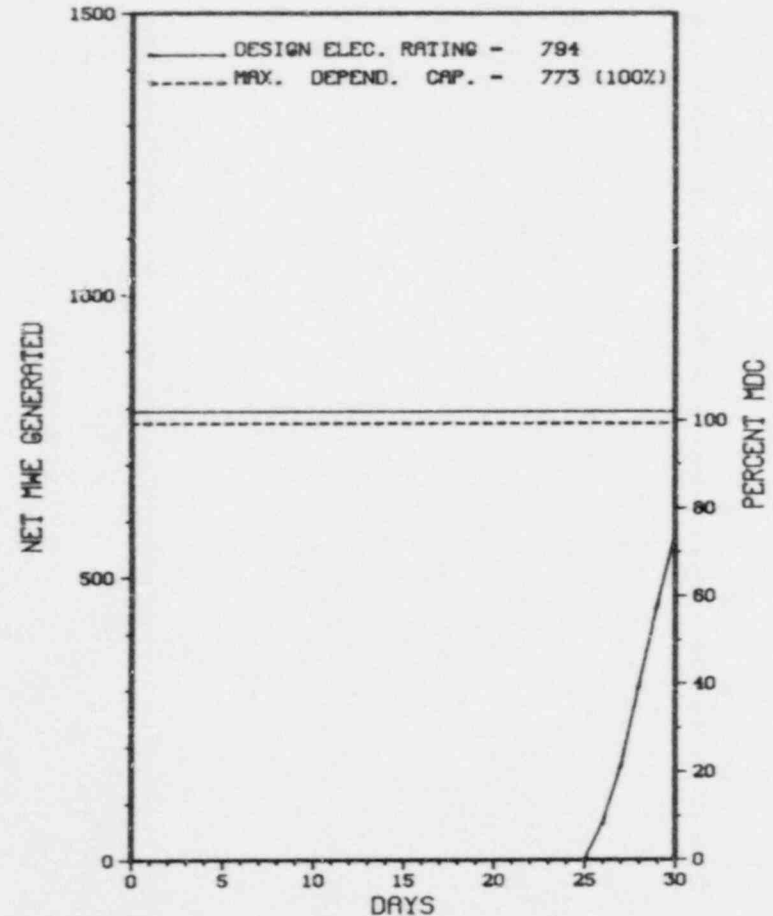
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
 X DRESDEN 3 X
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/27/88	S	612.7	C	4				IN TENTH REFUELING OUTAGE.

***** DRESDEN 3 COMPLETED SCHEDULED REFUELING OUTAGE IN JUNE AND
* SUMMARY * RETURNED TO POWER.

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

* DRESDEN 3 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....S. DUPONT
LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPK-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 APRIL 11-15 AND 25-29 (88008; 88009): ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE ACTIVITIES AND LICENSEE'S ACTION ON A PREVIOUS INSPECTION FINDING, USING SELECTED PORTIONS OF INSPECTION MODULES 62700, 62702, 62704, 62705, 92701, AND 92720. MAINTENANCE WAS ACCOMPLISHED, EFFECTIVE, AND SELF ASSESSED; HOWEVER, CONTINUED AGGRESSIVE AND SIGNIFICANT INVOLVEMENT BY MANAGEMENT IS NEEDED TO IMPROVE AND MAINTAIN THE QUALITY OF NEWLY DEVELOPED MAINTENANCE PROGRAMS ESPECIALLY IN PREVENTATIVE MAINTENANCE OF BALANCE OF PLANT COMPONENTS. MANAGEMENT ATTENTION IS NEEDED TO IMPROVE THE WORK REQUEST PROCESS AND THE DOCUMENTATION OF WORK DONE, AND OTHERWISE ELIMINATE WEAKNESSES THAT COULD LIMIT FUTURE HISTORICAL TRENDING AND ROOT CAUSE ANALYSIS OF COMPONENT PROBLEMS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT RESTARTED FROM ITS REFUELING OUTAGE ON JUNE 24, 1988 AND HAS OPERATED ROUTINELY SINCE AT SLIGHTLY REDUCED POWER DUE TO TEMPERATURE/DROUGHT CONDITIONS

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88015

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
88-08	051388	060688	VIOLEATION OF SECONDARY CONTAINMENT INTEGRITY DUE TO PERSONNEL INTERLOCK DOOR CIRCUITRY FAILURE.
88-09	050588	060388	GROUP II AND GROUP III PRIMARY CONTAINMENT ISOLATIONS DUE TO A MANAGEMENT DEFICIENCY
88-13	060788	063088	LOSS OF 3A REACTOR PROTECTION SYSTEM BUS AND SUBSEQUENT ESF AC TUATIONS DUE TO A LOOSE WIRE CONNECTION
88-14	060888	070588	GROUP II AND GROUP III PRIMARY CONTAINMENT ISOLATIONS DUE TO A PROCEDURE DEFICIENCY

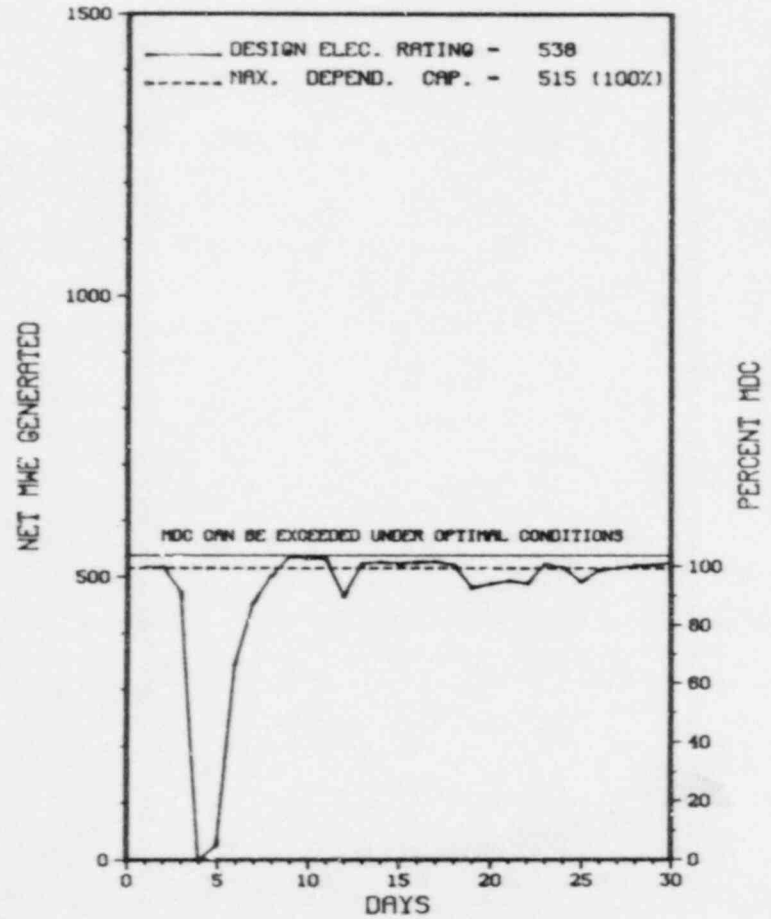
1. Docket: 50-331 OPERATING STATUS

XX
 * DUANE ARNOLD *
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: L. MILLER (319) 851-7204
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:
ITEM 487 WILL VARY TO REFLECT SEASONAL COND.
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE



	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>117,575.0</u>
13. Hours Reactor Critical	<u>699.2</u>	<u>4,346.2</u>	<u>84,660.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>172.8</u>
15. Hrs Generator On-Line	<u>683.3</u>	<u>4,330.3</u>	<u>82,585.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,071,101</u>	<u>6,952,809</u>	<u>106,990,090</u>
18. Gross Elec Ener (MWH)	<u>359,310</u>	<u>2,365,738</u>	<u>35,925,566</u>
19. Net Elec Ener (MWH)	<u>337,913</u>	<u>2,215,492</u>	<u>33,658,820</u>
20. Unit Service Factor	<u>94.9</u>	<u>99.2</u>	<u>70.2</u>
21. Unit Avail Factor	<u>94.9</u>	<u>99.2</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>91.1</u>	<u>96.6</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>87.2</u>	<u>94.3</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,917.7</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT. 29, 1988, 2 MONTHS DURATION.

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

JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X DUANE ARNOLD X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	06/04/88	S	36.7	B	1		LK	RG	A SMALL SCREW BACKED OUT OF A FEEDWATER CHECK VALVE NITROGEN SUPPLY REGULATOR. THE LEAK WAS REPAIRED AND THE SYSTEM WAS RETURNED TO NORMAL.

XXXXXXXXXXXX DUANE ARNOLD INCURRED 1 SCHEDULED OUTAGE IN JUNE FOR REASONS
 X SUMMARY X
 XXXXXXXXXXXXXXX

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

* DUANE ARNOLD *

FACILITY DATA

Report Period JUN 1988

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.....M. PARKER
LICENSING PROJ MANAGER.....J. HALL
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 MAY 9-13 (88011): ROUTINE, ANNOUNCED INSPECTION OF THE CHEMISTRY PROGRAM, INCLUDING: (1) PROCEDURES, ORGANIZATION, AND TRAINING (IP 83722, 83723); (2) REACTOR SYSTEMS WATER QUALITY CONTROL PROGRAMS (IP 79701); (3) QUALITY ASSURANCE/QUALITY CONTROL PROGRAM IN THE LABORATORY (IP 79701); AND (4) NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS (IP 79701). THE LICENSEE HAS AN EXTENSIVE WATER QUALITY CONTROL PROGRAM, INCLUDING HYDROGEN ADDITION, TO CONTROL REACTOR COOLANT OXYGEN AND ELECTROCHEMICAL POTENTIAL. THE NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS RESULTS WERE FAIR AND DEMONSTRATED PROBLEMS WITH THE CHEMICAL MEASUREMENTS QA/QC PROGRAM. LICENSEE REPRESENTATIVES AGREED TO CORRECT THESE PROBLEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 16-20 (88012): FOLLOWUP INSPECTION TO ASSESS THE CORRECTIVE ACTIONS TAKEN BY THE LICENSEE IN RESPONSE TO VIOLATION 331/86010-01 REGARDING DEFICIENT SAFETY EVALUATIONS (MODULE 92702). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 25 AND JUNE 16 (88014): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S EFFORTS IN RESPONDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S CONCERN ABOUT THE ADEQUACY OF OFFSITE EMERGENCY PLANNING FOR LINN AND BENTON COUNTIES, IOWA AND THE STATE OF IOWA RELATED TO THE EXPANDED EMERGENCY PLANNING ZONE (EPZ) AROUND THE DUANE ARNOLD ENERGY CENTER (IP 92701). THE INSPECTION INVOLVED ONE NRC INSPECTOR. THE INSPECTION CONFIRMED THAT THE LICENSEE IS ACTIVELY PURSUING SOLUTIONS TO THE INADEQUACIES IDENTIFIED BY FEMA VII IN THE LINN COUNTY AND BENTON COUNTY PLANS AND THE STATE OF IOWA PLAN AND FULLY INTENDS TO MEET ALL DEADLINES ESTABLISHED BY FEMA VII FOR CORRECTING THESE INADEQUACIES.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DUANE ARNOLD X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

NONE

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: 06/16/88

INSPECTION REPORT NO: 88014

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
88-05	052788	052788	PREMATURE TERMINATION OF FIRE WATCH DUE TO INADEQUATE POST-MAINTENANCE TESTING

```
=====
```

1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. WOOD/WD (205) 899-5156

4. Licensed Thermal Power (Mwt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 853

8. Maximum Dependable Capacity (Net MWe): 813

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

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

11. Reasons for Restrictions, If Any: _____
NONE

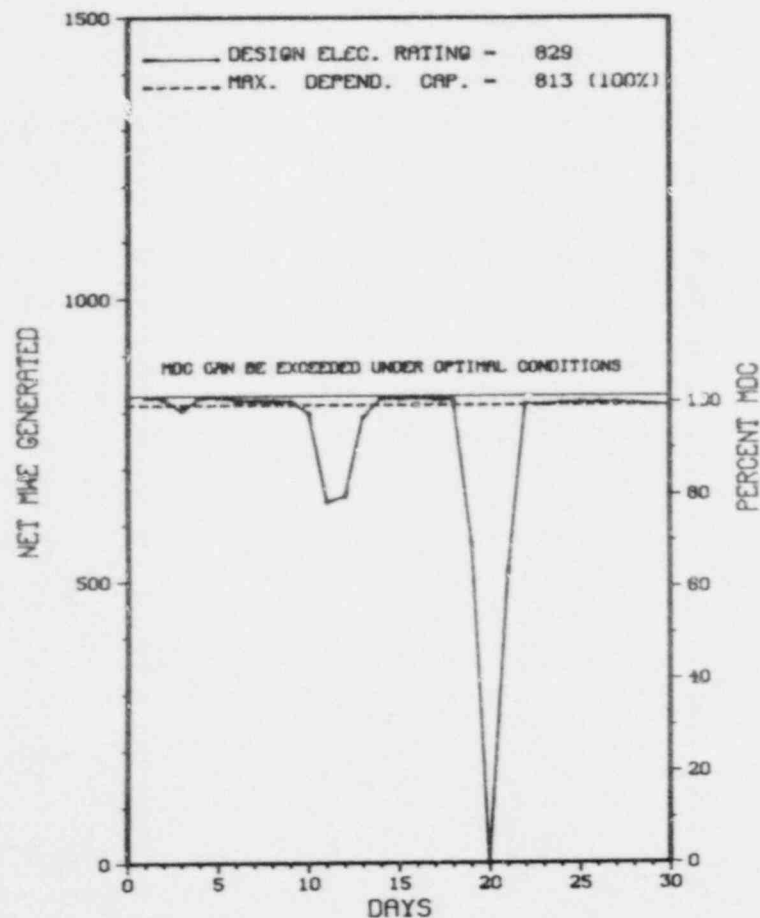
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>9,759.0</u>
13. Hours Reactor Critical	<u>702.6</u>	<u>3,022.7</u>	<u>68,239.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>697.2</u>	<u>2,974.3</u>	<u>66,799.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,773,947</u>	<u>7,562,887</u>	<u>169,986,204</u>
18. Gross Elec Ener (MWH)	<u>576,872</u>	<u>2,459,424</u>	<u>54,525,760</u>
19. Net Elec Ener (MWH)	<u>546,724</u>	<u>2,317,912</u>	<u>51,487,108</u>
20. Unit Service Factor	<u>96.8</u>	<u>68.1</u>	<u>72.0</u>
21. Unit Avail Factor	<u>96.8</u>	<u>68.1</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>93.4</u>	<u>65.3</u>	<u>68.9*</u>
23. Unit Cap Factor (DER Net)	<u>91.6</u>	<u>64.0</u>	<u>67.0</u>
24. Unit Forced Outage Rate	<u>3.2</u>	<u>.8</u>	<u>9.3</u>
25. Forced Outage Hours	<u>22.8</u>	<u>22.8</u>	<u>6,845.9</u>

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

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

XX
 * FARLEY 1 *
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FARLEY 1



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * FARLEY 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
004	06/10/88	S	0.0	B	5		SD	P	POWER WAS REDUCED TO REPLACE THE UPPER SLEEVE BEARING ON THE 1C CONDENSATE PUMP.
005	06/20/88	F	22.8	B	1		AB	OR	THE UNIT WAS SHUTDOWN TO REPAIR AN RCS LEAK FROM A FLOW ORIFICE FLANGE ON THE 'A' LOOP RTD BYPASS MANIFOLD. THE GASKETS WERE REPLACED AND THE UNIT RETURNED TO POWER OPERATION.

XXXXXXXXXXXX FARLEY 1 INCURRED ONE OUTAGE AND ONE POWER REDUCTION IN JUNE
 * SUMMARY * FOR REASONS STATED ABOVE.
 XXXXXXXXXXXX

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	7-Other	(LER) File (NUREG-0161)

* FARLEY 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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 & 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.....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.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

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

INSPECTION SUMMARY

* INSPECTION MAY 2-6 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF INSERVICE INSPECTION (ISI) PROGRAM ACTIVITIES ASSOCIATED WITH REQUESTED RELIEF FROM ASME CODE REQUIREMENTS. A SPECIFIC REVIEW WAS COMPLETED OF RECORDS ASSOCIATED WITH ALTERNATE EXAMINATIONS OF THE UNIT 1, FIRST INTERVAL ISI PROGRAM WITH EMPHASIS ON HYDROSTATIC TESTING. ADDITIONAL DETAILS REGARDING CLARIFICATION OF RELIEF FROM HYDROSTATIC TESTING OF CLASS 3 SYSTEMS (IFI 348/88-14-04) WERE ALSO EXAMINED. WITHIN THE AREAS INSPECTED VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. HOWEVER A POTENTIAL WEAKNESS WITHIN THE INSERVICE HYDROSTATIC TESTING PROGRAM OF CLASS 3 COMPONENTS IS IDENTIFIED BY NEW UNRESOLVED ITEM 50-348, 364/88-17-01, TECHNICAL JUSTIFICATION FOR REQUESTED RELIEF FROM HYDROSTATIC TESTING OF CLASS 3 PIPING SYTEM DURING SECOND INTERVAL ISI.

INSPECTION MAY 9-13 (88-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF THE CONTAINMENT TENDON SURVEILLANCE PROGRAM, THE SNUBBER SURVEILLANCE PROGRAM, IEN 85-45, PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS AND FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-20 AND JUNE 6-10 (88-20): THIS ROUTINE UNANNOUNCED INSPECTION ADDRESSED THE AREAS OF WITNESSING POST-REFUELING STARTUP TESTS, REVIEW OF COMPLETED CORE SURVEILLANCE PROCEDURES, INDEPENDENT MEASUREMENTS OF REACTOR THERMAL POWER AND REACTOR COOLANT SYSTEM LEAKAGE, AND REVIEW OF THE LICENSEE'S RELATED PROCEDURES. ONE VIOLATION WAS IDENTIFIED. THE PROCEDURE USED TO CALCULATE REACTOR COOLANT SYSTEM INVENTORY WAS INADEQUATE IN THAT THE CONSTANT USE TO MAKE CORRECTIONS FOR CHANGES IN PRESSURIZER LEVEL WAS NEITHER CORRECT NOR CONSERVATIVE (VIOLATION 348,364/88-20-03). MANAGEMENT MADE A COMMITMENT TO EVALUATE THE FEASIBILITY OF MOVING THE SOURCE RANGE DETECTORS TO A REGION OF LOWER FLUX SO THAT CRITICALITY WOULD OCCUR BELOW P-6 (INSPECTOR FOLLOWUP ITEM 348,364/88-20-01). THE LICENSEE MADE A COMMITMENT TO UPGRADE THE U1118 PLANT COMPUTER CALCULATION OF THERMAL POWER (INSPECTOR

INSPECTION SUMMARY

FOLLOWUP ITEM 348,364/88-20-02).

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.12.1 AND TS 6.12.2.: (1) ON DECEMBER 28, 1987, TWO DECONTAMINATION WORKERS ENTERED ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING, A HIGH RADIATION AREA, IN WHICH THE INTENSITY OF RADIATION WAS IN EXCESS OF 100 MILLIREM PER HOUR, WITHOUT HAVING IN THEIR POSSESSION ONE OF THE REQUIRED RADIATION MONITORING DEVICES AND WITHOUT BEING ACCOMPANIED BY A HEALTH PHYSICS QUALIFIED INDIVIDUAL WHO MAINTAINED POSITIVE CONTROL OVER THE WORKERS' ACTIVITIES. (2) AS OF DECEMBER 28, 1987, A RADIOLOGICAL EXCLUSION AREA LOCATED IN ROOM 450/449, WHICH WAS ACCESSIBLE TO PERSONNEL AND WHICH HAD RADIATION LEVELS SUCH THAT A MAJOR PORTION OF THE BODY COULD RECEIVE IN ONE HOUR A DOSE GREATER THAN 1,000 MILLIREM, WAS NOT PROVIDED WITH LOCKED DOORS, BUT WAS PROVIDED WITH THREE YELLOW AND MAGENTA ROPES, RADIOLOGICAL WARNING SIGNS, AND A FLASHING RED LIGHT, WHICH WERE NOT ADEQUATE TO PREVENT UNAUTHORIZED ENTRY. CONTRARY TO TS 6.8.1, REGULATORY GUIDE 1.55, APPENDIX A, SECTION 7.E(1), PLANT PROCEDURE FNP-O-RCP-2, PLANT PROCEDURE FNP-O-M-001, HEALTH PHYSICS MANUAL, SECTION 6.3.6, AND SECTION 4.1.1.1.7, AND RWP 87-0010: (1) ON DECEMBER 28, 1987, A DECONTAMINATION WORKER ENTERED A HIGH RADIATION/EXCLUSION AREA WITH DOSE RATES UP TO APPROXIMATELY 150 REM PER HOUR AT 18 INCHES FROM THE SPENT FUEL POOL DEMINERALIZER WITHOUT HAVING A SPECIAL RWP PRIOR TO ENTRY. (2) ON DECEMBER 28, 1987, TWO INDIVIDUALS ENTERED A HIGH RADIATION AREA (ROOM 450) ON ROUTINE RWP 87-0010 TO PERFORM ROUTINE DECONTAMINATION OF ARTICLES AND EQUIPMENT WITHOUT HIGH RANGE DOSIMETERS AS REQUIRED BY THE RWP. CONTRARY TO 10 CFR 19.12, THREE CONTRACT DECONTAMINATION EMPLOYEES WORKING IN ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING (A RESTRICTED AREA) ON DECEMBER 28, 1987, WERE NOT ADEQUATELY INSTRUCTED IN THE PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE FOR ENTRY INTO EXCLUSION AREAS.
(8800 3)

CONTRARY TO 10 CFR 20.201(A) AND (B), THE REQUIREMENT TO PERFORM EVALUATIONS NECESSARY TO DEMONSTRATE COMPLIANCE WITH 10 CFR 20.201(B) AND 20.201(A) WAS NOT MET IN THAT THE LICENSEE FAILED TO MAKE ATTENUATION CORRECTIONS FOR CALIBRATING DETECTORS WITH SOLID GEOMETRIES WHICH RESULTED IN INACCURATE GAMMA SPECTROSCOPY MEASUREMENTS OF GASEOUS RADIOACTIVE MATERIAL RELEASED TO THE ENVIRONMENT. THESE MEASUREMENTS WERE USED TO DETERMINE COMPLIANCE WITH 10 CFR 20.106, TS AND THE OFFSITE DOSE CALCULATIONS MANUAL REQUIREMENTS.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 10, 1988 +

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWT): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 864

8. Maximum Dependable Capacity (Net MWe): 823

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

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

11. Reasons for Restrictions, if Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>60,672.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>52,255.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>51,615.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,904,396</u>	<u>11,535,911</u>	<u>132,488,031</u>
18. Gross Elec Ener (MWH)	<u>622,578</u>	<u>3,820,486</u>	<u>43,023,580</u>
19. Net Elec Ener (MWH)	<u>593,074</u>	<u>3,642,654</u>	<u>40,794,392</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>85.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>85.1</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>101.4</u>	<u>81.7</u>
23. Unit Cap Factor (DER Net)	<u>99.4</u>	<u>100.6</u>	<u>81.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,690.4</u>

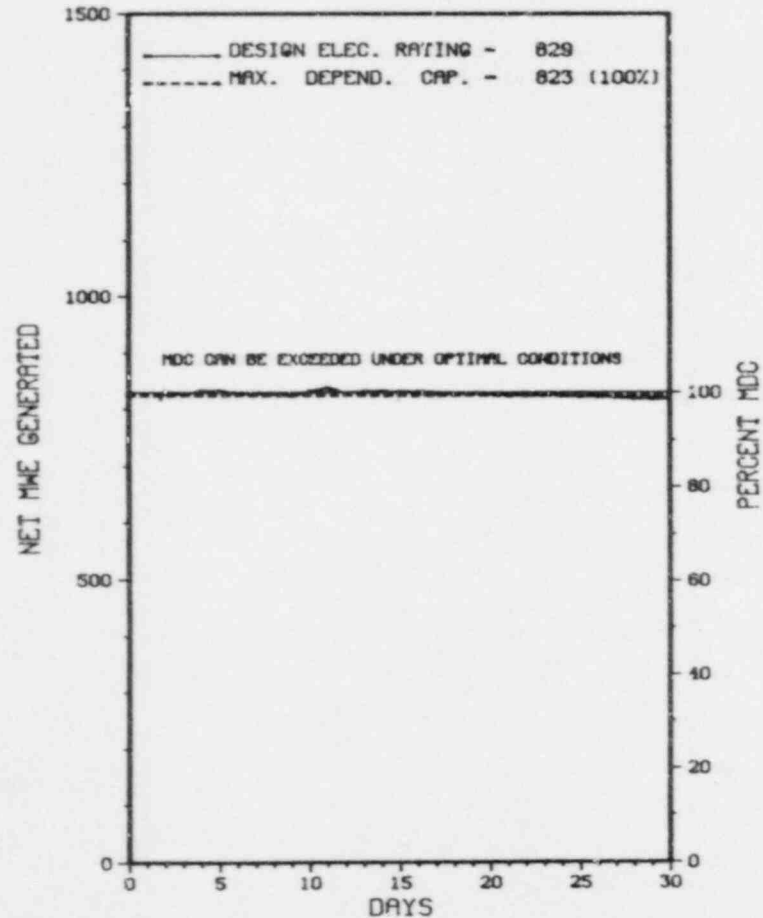
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FARLEY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* FARLEY 2 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
002	06/01/88	F	0.0	B	5		SE	MSR	POWER WAS REDUCED TO REPAIR A STEAM LEAK ON THE EXCESS STEAM LINE FROM THE 2B MOISTURE SEPARATOR REHEATER FIRST STAGE TO THE 5B HEATER.

XXXXXXXXXXXX FARLEY 2 INCURRED ONE POWER REDUCTION IN JUNE FOR REASONS
* SUMMARY *
XXXXXXXXXXXX STATED 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-0141)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FARLEY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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
PROJECT NUMBER.....50-364
LICENSE & DATE ISSUANCE...NPF-8, MARCH 31, 1981
PUBLIC DOCUMENT ROOM.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

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

INSPECTION SUMMARY

* INSPECTION MAY 2-6 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF INSERVICE INSPECTION (ISI) PROGRAM ACTIVITIES ASSOCIATED WITH REQUESTED RELIEF FROM ASME CODE REQUIREMENTS. A SPECIFIC REVIEW WAS COMPLETED OF RECORDS ASSOCIATED WITH ALTERNATE EXAMINATIONS OF THE UNIT 1, FIRST INTERVAL ISI PROGRAM WITH EMPHASIS ON HYDROSTATIC TESTING. ADDITIONAL DETAILS REGARDING CLARIFICATION OF RELIEF FROM HYDROSTATIC TESTING OF CLASS 3 SYSTEMS (IFI 348/88-14-04) WERE ALSO EXAMINED. WITHIN THE AREAS INSPECTED VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. HOWEVER A POTENTIAL WEAKNESS WITHIN THE INSERVICE HYDROSTATIC TESTING PROGRAM OF CLASS 3 COMPONENTS IS IDENTIFIED BY NEW UNRESOLVED ITEM 50-348, 364/88-17-01, TECHNICAL JUSTIFICATION FOR REQUESTED RELIEF FROM HYDROSTATIC TESTING OF CLASS 3 PIPING SYTEM DURING SECOND INTERVAL ISI.

INSPECTION MAY 9-13 (88-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF THE CONTAINMENT TENDON SURVEILLANCE PROGRAM, THE SNUBBER SURVEILLANCE PROGRAM, IEN 85-45, PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS AND FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-20 AND JUNE 6-10 (88-20): THIS ROUTINE UNANNOUNCED INSPECTION ADDRESSED THE AREAS OF WITNESSING POST-REFUELING STARTUP TESTS, REVIEW OF COMPLETED CORE SURVEILLANCE PROCEDURES, INDEPENDENT MEASUREMENTS OF REACTOR THERMAL POWER AND REACTOR COOLANT SYSTEM LEAKAGE, AND REVIEW OF THE LICENSEE'S RELATED PROCEDURES. ONE VIOLATION WAS IDENTIFIED. THE PROCEDURE USED TO CALCULATE REACTOR COOLANT SYSTEM INVENTORY WAS INADEQUATE IN THAT THE CONSTANT USE TO MAKE CORRECTIONS FOR CHANGES IN PRESSURIZER LEVEL WAS NEITHER CORRECT NOR CONSERVATIVE (VIOLATION 348,364/88-20-03). MANAGEMENT MADE A COMMITMENT TO EVALUATE THE FEASIBILITY OF MOVING THE SOURCE RANGE DETECTORS TO A REGION OF LOWER FLUX SO THAT CRITICALITY WOULD OCCUR BELOW P-6 (INSPECTOR FOLLOWUP ITEM 348,364/88-20-01). THE LICENSEE MADE A COMMITMENT TO UPGRADE THE U1118 PLANT COMPUTER CALCULATION OF THERMAL POWER (INSPECTOR

INSPECTION SUMMARY

FOLLOWUP ITEM 348,364/88-20-02).

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.12.1 AND TS 6.12.2: (1) ON DECEMBER 28, 1987, TWO DECONTAMINATION WORKERS ENTERED ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING, A HIGH RADIATION AREA, IN WHICH THE INTENSITY OF RADIATION WAS IN EXCESS OF 100 MILLIREM PER HOUR, WITHOUT HAVING IN THEIR POSSESSION ONE OF THE REQUIRED RADIATION MONITORING DEVICES AND WITHOUT BEING ACCOMPANIED BY A HEALTH PHYSICS QUALIFIED INDIVIDUAL WHO MAINTAINED POSITIVE CONTROL OVER THE WORKERS' ACTIVITIES. (2) AS OF DECEMBER 28, 1987, A RADIOLOGICAL EXCLUSION AREA LOCATED IN ROOM 450/449, WHICH WAS ACCESSIBLE TO PERSONNEL AND WHICH HAD RADIATION LEVELS SUCH THAT A MAJOR PORTION OF THE BODY COULD RECEIVE IN ONE HOUR A DOSE GREATER THAN 1,000 MILLIREM, WAS NOT PROVIDED WITH LOCKED DOORS, BUT WAS PROVIDED WITH THREE YELLOW AND MAGENTA ROPES, RADIOLOGICAL WARNING SIGNS, AND A FLASHING RED LIGHT, WHICH WERE NOT ADEQUATE TO PREVENT UNAUTHORIZED ENTRY. CONTRARY TO TS 6.8.1, REGULATORY GUIDE 1.33, APPENDIX A, SECTION 7.E(1), PLANT PROCEDURE FNP-0-RCP-2, PLANT PROCEDURE FNP-0-M-001, HEALTH PHYSICS MANUAL, SECTION 6.3.6, AND SECTION 4.1.1.1.7, AND RWP 87-0010: (1) ON DECEMBER 28, 1987, A DECONTAMINATION WORKER ENTERED A HIGH RADIATION/EXCLUSION AREA WITH DOSE RATES UP TO APPROXIMATELY 150 REM PER HOUR AT 18 INCHES FROM THE SPENT FUEL POOL DEMINERALIZER WITHOUT HAVING A SPECIAL RWP PRIOR TO ENTRY. (2) ON DECEMBER 28, 1987, TWO INDIVIDUALS ENTERED A HIGH RADIATION AREA (ROOM 450) ON ROUTINE RWP 87-0010 TO PERFORM ROUTINE DECONTAMINATION OF ARTICLES AND EQUIPMENT WITHOUT HIGH RANGE DOSIMETERS AS REQUIRED BY THE RWP. CONTRARY TO 10 CFR 19.12, THREE CONTRACT DECONTAMINATION EMPLOYEES WORKING IN ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING (A RESTRICTED AREA) ON DECEMBER 28, 1987, WERE NOT ADEQUATELY INSTRUCTED IN THE PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE FOR ENTRY INTO EXCLUSION AREAS.
(8800 3)

CONTRARY TO 10 CFR 20.201(A) AND (B), THE REQUIREMENT TO PERFORM EVALUATIONS NECESSARY TO DEMONSTRATE COMPLIANCE WITH 10 CFR 20.201(B) AND 20.201(A) WAS NOT MET IN THAT THE LICENSEE FAILED TO MAKE ATTENUATION CORRECTIONS FOR CALIBRATING DETECTORS WITH SOLID GEOMETRIES WHICH RESULTED IN INACCURATE GAMMA SPECTROSCOPY MEASUREMENTS OF GASEOUS RADIOACTIVE MATERIAL RELEASED TO THE ENVIRONMENT. THESE MEASUREMENTS WERE USED TO DETERMINE COMPLIANCE WITH 10 CFR 20.106, TS AND THE OFFSITE DOSE CALCULATION'S MANUAL REQUIREMENTS.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE CONTINUES TENDON FIELD ANCHORS INSPECTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 10, 1988 +

INSPECTION REPORT NO: 50-364/88-23 +

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FARLEY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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
-----
88-005     05/01/88     05/26/88     PERSONNEL ERROR RESULTS IN TERMINATION OF THE WRONG FIRE WATCH PATROL.
88-006     05/01/88     05/26/88     FIRE DETECTION SYSTEM INOPERABLE FOR MORE THAN FOURTEEN DAYS.
=====

```

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-341 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: P. M. ANTHONY (313) 586-1617

4. Licensed Thermal Power (MWT): 3292

5. Nameplate Rating (Gross MWe): 1215

6. Design Electrical Rating (Net MWe): 1093

7. Maximum Dependable Capacity (Gross MWe): 1093

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>720.0</u>	<u>3,829.0</u>	<u>3,829.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,077.9</u>	<u>2,077.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>1,980.3</u>	<u>1,980.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,912,920</u>	<u>4,845,692</u>	<u>4,845,692</u>
18. Gross Elec Ener (MWH)	<u>631,947</u>	<u>1,561,153</u>	<u>1,561,153</u>
19. Net Elec Ener (MWH)	<u>601,169</u>	<u>1,478,924</u>	<u>1,478,924</u>
20. Unit Service Factor	<u>100.0</u>	<u>51.7</u>	<u>51.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.7</u>	<u>51.7</u>
22. Unit Cap Factor (MDC Net)	<u>76.4</u>	<u>35.3</u>	<u>35.3</u>
23. Unit Cap Factor (DER Net)	<u>76.4</u>	<u>35.3</u>	<u>35.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.5</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>71.7</u>	<u>71.7</u>

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

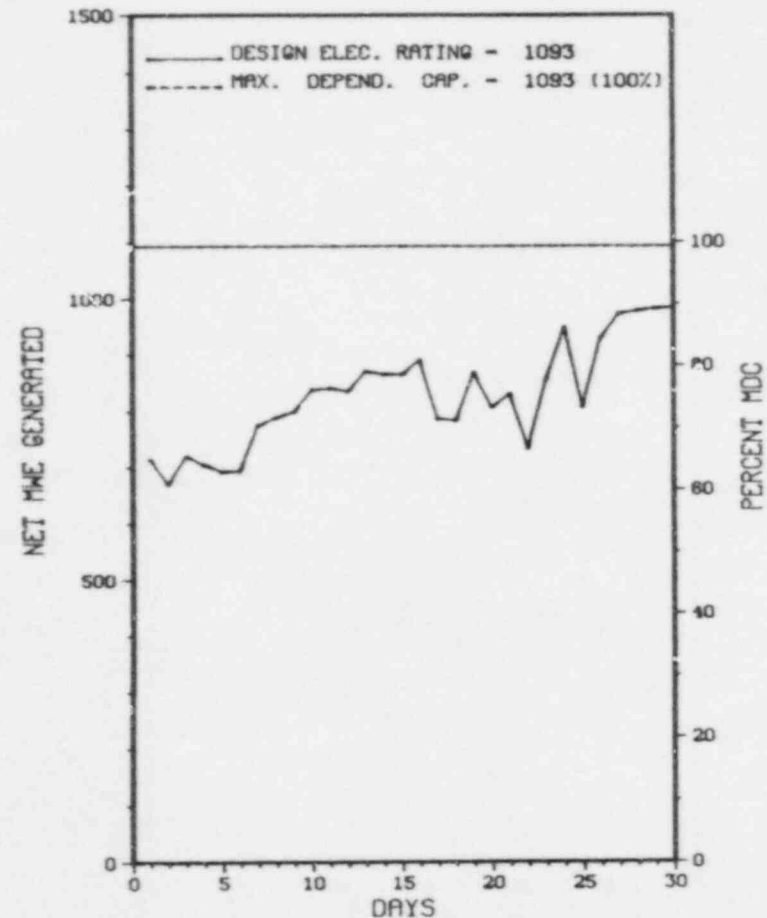
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * FERM I 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FERMI 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FERM I 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXX *
* SUMMARY *
XXXXXXXXXX
FERMI 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
SIGNIFICANT POWER REDUCTIONS.

<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-Retueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FERM I 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....MONROE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...LAGUNA BEACH, MICH

TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 21, 1985
DATE ELEC ENER 1ST GENR...SEPTEMBER 21, 1986
DATE COMMERCIAL OPERATE...JANUARY 7, 1988
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ERIE
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DETROIT EDISON
CORPORATE ADDRESS.....2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....W. ROGERS
LICENSING PROJ MANAGER.....T. QUAY
DOCKET NUMBER.....50-341
LICENSE & DATE ISSUANCE...NPF-43, JULY 15, 1985
PUBLIC DOCUMENT ROOM.....MONROE COUNTY LIBRARY SYSTEM
3700 SOUTH CUSTER ROAD
MONROE, MI. 48161

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

INSPECTION SUMMARY

INSPECTION ON MAY 17-20 (88016): ROUTINE, ANNOUNCED INSPECTION OF THE ANNUAL FERMI UNIT 2 EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY THREE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE (IP 82301). THE LICENSEE DEMONSTRATED AN ADEQUATE RESPONSE TO A SIMULATED ACCIDENT SCENARIO INVOLVING A LARGE RADIOACTIVE RELEASE. OPEN ITEMS FROM THE LAST EXERCISE WERE CLOSED OUT IN THIS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. NO NEW OPEN ITEMS WERE OPENED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X F E R M I 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

AS OF JUNE 16, THE PLANT WAS HOLDING 85% POWER DUE TO REACTOR COOLANT CHEMISTRY.

LAST IE SITE INSPECTION DATE: 05/20/88

INSPECTION REPORT NO: 88016

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-18	050388	060288	FAILURE TO PERFORM SHIFTLY SURVEILLANCE WITHIN THE REQUIRED TIME
88-20	050888	060788	INCORRECT HIGH PRESSURE COOLANT INJECTION SURVEILLANCE TEST PROCEDURE CAUSES REACTOR SCRAM
88-23	052888	062788	MANUAL ISOLATION OF REACTOR WATER CLEANUP DUE TO AN INSTRUMENT LINE FAILURE

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. COOK (315) 349-6569

4. Licensed Thermal Power (Mwt): 2436

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

6. Design Electrical Rating (Net MWe): 816

7. Maximum Dependable Capacity (Gross MWe): 805

8. Maximum Dependable Capacity (Net MWe): 778

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

ITEM 7 & 8 RECALCULATED USING PREVIOUS YEARS DATA.

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

11. Reasons for Restrictions, If Any:

NONE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * FITZPATRICK *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

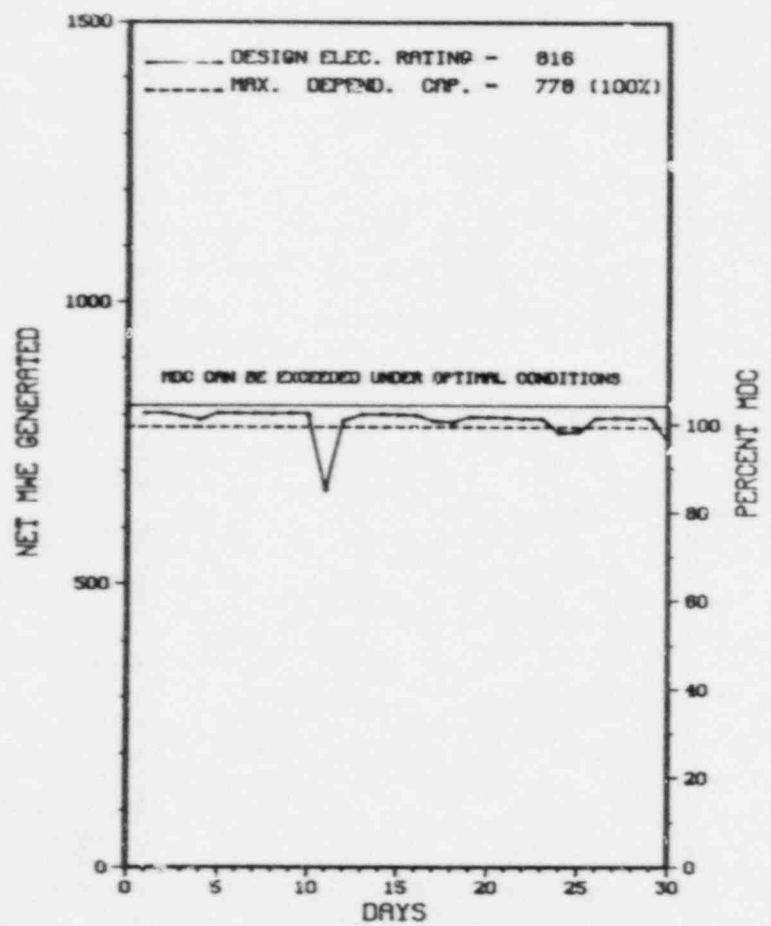
AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FITZPATRICK

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>113,328.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,985.3</u>	<u>83,638.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,945.9</u>	<u>81,299.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,733,208</u>	<u>9,452,904</u>	<u>176,679,220</u>
18. Gross Elec Ener (MWH)	<u>587,990</u>	<u>3,233,400</u>	<u>59,840,800</u>
19. Net Elec Ener (MWH)	<u>568,495</u>	<u>3,120,125</u>	<u>57,898,595</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.4</u>	<u>71.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.4</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>91.2</u>	<u>65.7*</u>
23. Unit Cap Factor (DER Net)	<u>96.8</u>	<u>87.6</u>	<u>62.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,337.5</u>

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

REFUELING - 08/26/88 - 75 DAY DURATION.

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



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X FITZPATRICK X
XX

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

NONE

XXXXXXXXXXXX
* SUMMARY *
XXXXXXXXXXXX
FITZPATRICK OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
SIGNIFICANT POWER REDUCTIONS.

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 JUN 1988

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
LICEN/SEE.....NEW YORK POWER AUTHORITY
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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FITZPATRICK *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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.

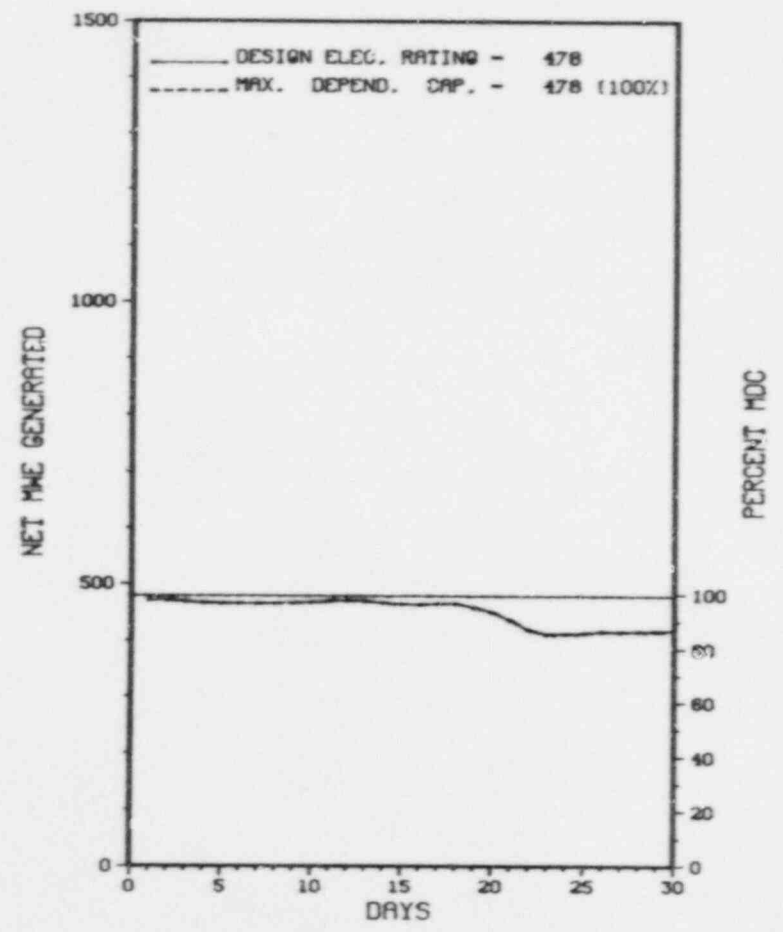
=====

 * FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1

1. Docket: 50-285 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: T. P. MATTHEWS (402) 536-4733
4. Licensed Thermal Power (MWT): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502
6. Design Electrical Rating (Net MWe): 478
7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>4,367.0</u>	<u>129,432.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>101,926.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>100,235.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,041,667</u>	<u>5,900,144</u>	<u>130,429,761</u>
18. Gross Elec Ener (MWH)	<u>340,322</u>	<u>1,986,104</u>	<u>43,270,880</u>
19. Net Elec Ener (MWH)	<u>323,802</u>	<u>1,888,597</u>	<u>41,032,665</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.4</u>
22. Unit Cap Factor (MDC Net)	<u>94.1</u>	<u>90.5</u>	<u>68.8*</u>
23. Unit Cap Factor (DER Net)	<u>94.1</u>	<u>90.5</u>	<u>66.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,857.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT. 2, 1988 - 75 DAY DURATION.

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

JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	06/18/88	S	0.0	H	5		SD	COND	ON JUNE 18, 1988, POWER WAS REDUCED TO 90% BECAUSE OF A POOP PERFORMING CONDENSER COUPLED WITH HIGH RIVER WATER TEMPERATURE CAUSED HIGH CONDENSER BACK PRESSURE. THE INCREASE IN CONDENSER BACK PRESSURE ELEVATED THE CONDENSER HOT WELL TEMPERATURE AND CAUSED A REDUCTION IN HYDROGEN COOLING CAPABILITIES. THIS REDUCTION IN COOLING CAPABILITIES IS LIMITING THE ELECTRICAL OUTPUT OF THE GENERATOR. UNIT REMAINED AT 90% FOR THE DURATION OF THE REPORT PERIOD.

 * SUMMARY *

 FORT CALHOUN INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS STATED 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FORT CALHOUN 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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.....P. MILANO
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 APRIL 4-8, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION OF LICENSED OPERATOR TRAINING PROGRAMS. WITHIN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 1-30, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORT FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, PLANT TOURS, SAFETY-RELATED SYSTEM WALKDOWN, MONTHLY MAINTENANCE OBSERVATIONS, MONTHLY SURVEILLANCE OBSERVATIONS, SECURITY OBSERVATIONS, RADIOLOGICAL PROTECTION OBSERVATIONS, IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS, FOLLOWUP ON THE LICENSEE'S PROGRAM FOR SAMPLING THE EMERGENCY DIESEL FUEL OIL SUPPLIES, FOLLOWUP ON NUREG-0737 (TMI) ITEM II.K.3.5 CONCERNING TRIPPING OF REACTOR COOLANT PUMPS AFTER A LOSS-OF-COOLANT ACCIDENT, AND FOLLOWUP ON THE POTENTIAL FOR INADVERTENT DILUTION OF THE REACTOR COOLANT SYSTEM VIA THE SODIUM HYDROXIDE TANK. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 6-27, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOWUP ON THE STATUS OF THE INSTRUMENT AIR ACCUMULATOR ASSEMBLIES AND FOLLOWUP ON AN ONSITE EVENT. WITHIN THE AREAS INSPECTED, TWO POTENTIAL VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 5.2.2.E, THE LICENSEE FAILED TO PROVIDE PROPER MANNING ON EACH SHIFT FOR STAFFING OF THE ONSITE FIRE

ENFORCEMENT SUMMARY

BRIGADE. CONTRARY TO ANSI 18.7-1972 AND PROCEDURE 50-G-7, THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURE WERE IDENTIFIED. FAILURE TO IMPLEMENT AND FOLLOW PROCEDURES. SAFEGUARDS INFO. FAILURE TO FOLLOW APPROVED PROCEDURES - CROSSTRAIN ISOLATION VALVES IN EMERGENCY DIESEL GENERATOR AIR START SYSTEM WERE OPEN. A REDUNDANT VALVE IN EACH LINE WAS CLOSED. DEFICIENT PROCEDURE - PROCEDURE SOP 45 AND IVL 45-01 FAILED TO ADDRESS ALL OF THESE ISOLATION VALVES IN THE COOLING WATER LINE FROM THE DIESEL DRIVEN FIREWATER PUMP DISCHARGE TO THE DIESEL. FAILURE TO FOLLOW PROCEDURE - FUEL HANDLERS WORKING TO SSR86509136 DISPOSITIONING NCR86-218 HANDLE NEW CONTROL ELEMENTS WITH BARE HANDS IN DIRECT CONFLICT WITH THE STATED GUIDELINES IN THE DISPOSITION TO NCR 86-218. (8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

90% POWER OPERATION

LAST IE SITE INSPECTION DATE: APRIL 30, 1988

INSPECTION REPORT NO: 50-285/88-13

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
88-011	03/27/88	06/02/88	POTENTIAL FAILURE TO MAINTAIN CONTAINMENT INTEGRITY WHEN REQUIRED
88-013	05/09/88	06/09/88	FAILURE TO BYPASS INOPERABLE REACTOR PROTECTIVE CHANNEL SYSTEM
88-014	05/18/88	06/17/88	INADVERTENT START OF EDG-1 DURING PERFORMANCE OF SURVEILLANCE TEST.

=====

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720,0

3. Utility Contact: FRANK NOVACHEK (303) 785-2224

4. Licensed Thermal Power (MWT): 842

5. Nameplate Rating (Gross MWe): 403 X 0.85 = 343

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

10. Power Level To Which Restricted, If Any (Net MWe): 271

11. Reasons for Restrictions, If Any:
REANALYSIS OF SAFE SHUTDOWN COOLING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>78,912.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,678.7</u>	<u>37,080.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,374.1</u>	<u>24,355.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>458,144</u>	<u>1,880,112</u>	<u>12,661,525</u>
18. Gross Elec Ener (MWH)	<u>176,254</u>	<u>690,063</u>	<u>4,232,577</u>
19. Net Elec Ener (MWH)	<u>167,699</u>	<u>648,189</u>	<u>3,777,164</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.3</u>	<u>31.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.3</u>	<u>31.6</u>
22. Unit Cap Factor (MDC Net)	<u>70.6</u>	<u>45.0</u>	<u>14.5</u>
23. Unit Cap Factor (DER Net)	<u>70.6</u>	<u>45.0</u>	<u>14.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>22.7</u>	<u>61.4</u>
25. Force' Outage Hours	<u>.0</u>	<u>992.9</u>	<u>39,669.5</u>

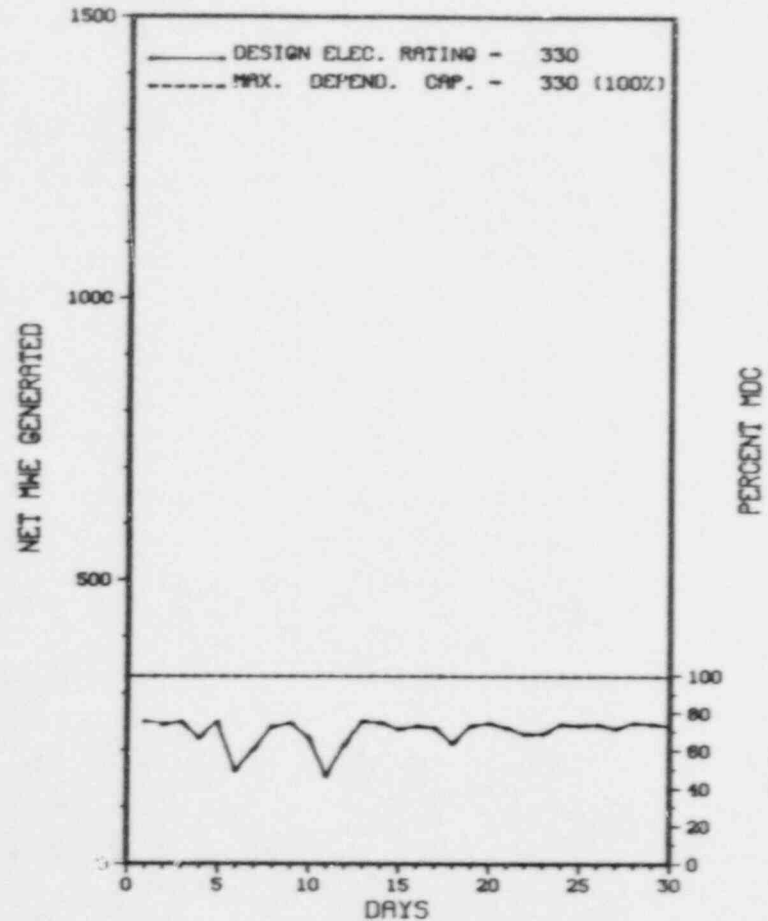
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
HELIUM CIRCULATOR REPAIRS-07/05/88-DURA. 90 DAYS

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FORT ST VRAIN X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



JUNE 1988

Report Period JUN 1988

J N I T S H U T D O W N S / R E D U C T I O N S

XX
 * FORT ST VRAIN *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-10	06/06/88	F	0.0	G	5		JC	PDI	POWER REDUCTION FOLLOWING C HELIUM CIRCULATOR TRIP DURING PLANT PROTECTIVE SYSTEM SURVEILLANCE TESTING.
88-11	06/10/88	S	0.0	B	5		JC	ZZZZZ	POWER REDUCTION FOR COMPLETION OF PLANT PROTECTIVE SYSTEM SURVEILLANCE TESTING.

XXXXXXXXXXXX FT. ST. VRAIN INCURRED 2 POWER REDUCTIONS IN JUNE FOR REASONS
 * SUMMARY * STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* FORT ST VRAIN *

FACILITY DATA

Report Period JUN 1988

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

TE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....R. FARRELL
LICENSING PROJ MANAGER.....K. HEITNER
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 APRIL 1-30, 1988 (88-10) ROUTINE, UNANNOUNCED INSPECTION OF FOLLOW UP OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED FINDINGS, FOLLOWUP OF ALLEGATION 88-A-01, OPERATIONAL SAFETY VERIFICATION, FIRE PROTECTION/PREVENTION PROGRAM, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, RADIOLOGICAL PROTECTION, AND MONTHLY SECURITY OBSERVATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 25-29, 1988 (88-11) ROUTINE, UNANNOUNCED INSPECTION OF THE EMERGENCY RESPONSE PROGRAM, INCLUDING TRAINING, EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH. SPEC. AC 7.4, APPLICABLE PROCEDURES RECOMMENDED IN APP. A OF REG. GUIDE 1.33, 11/72, THE NRC INSPECTORS DETERMINED ON 4/13/88, THAT THE WATER CHEMISTRY INSTRUMENT QUALITY CONTROL CHARTS FOR ANALYSES FOR CHLORIDE BY ION CHROMATOGRAPHY, SILICA BY SPECTROSCOPY, AND IRON AND COPPER BY GRAPHITE FURNACE ATOMIC ABSORPTION HAD NOT BEEN PROPERLY EVALUATED AND SEVERAL EXAMPLES OF OUT-OF-CONTROL SITUATIONS EXISTED FOR EACH OF THE ABOVE ANALYSES DURING THE TIME PERIOD 11/11/87, - 4/13/88, WITH NO DOCUMENTED EVALUATION OR CORRECTIVE ACTION TAKEN AS DIRECTED BY PROCEDURE.
(8800 5)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

80% AT END OF MONTH

LAST IE SITE INSPECTION DATE: APRIL 30, 1988

INSPECTION REPORT NO: 50-267/88-10

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
-----
88-079      05/06/88    06/05/88    REACTOR SCRAM ON HIGH HOT REHEAT TEMPERATURE FOLLOWING HELIUM CIRCULATOR TRIP
88-079      05/09/88    06/08/88    WIDE RANGE NUCLEAR CHANNEL UPSCALED FROM NOISE SOURCE AND ACTUATED SCRAM CHANNEL.
=====

```

1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWT): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

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

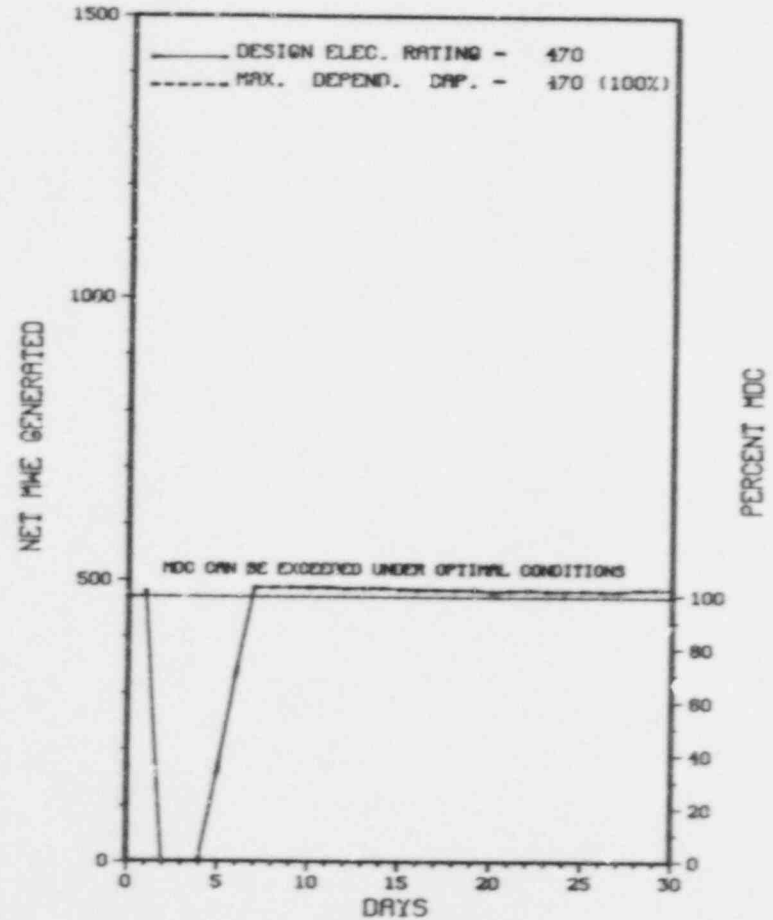
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>163,007.0</u>
13. Hours Reactor Critical	<u>648.1</u>	<u>3,277.3</u>	<u>127,295.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>641.7</u>	<u>3,206.2</u>	<u>124,853.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>939,036</u>	<u>4,498,352</u>	<u>175,425,685</u>
18. Gross Elec Ener (MWH)	<u>314,947</u>	<u>1,522,548</u>	<u>57,650,134</u>
19. Net Elec Ener (MWH)	<u>299,589</u>	<u>1,445,655</u>	<u>54,656,940</u>
20. Unit Service Factor	<u>9.1</u>	<u>73.4</u>	<u>76.6</u>
21. Unit Avail Factor	<u>89.1</u>	<u>73.4</u>	<u>76.6</u>
22. Unit Cap Factor (MDC Net)	<u>88.5</u>	<u>70.4</u>	<u>72.8*</u>
23. Unit Cap Factor (DER Net)	<u>88.5</u>	<u>70.4</u>	<u>72.8*</u>
24. Unit Forced Outage Rate	<u>10.9</u>	<u>8.8</u>	<u>6.4</u>
25. Forced Outage Hours	<u>78.3</u>	<u>367.8</u>	<u>4,632.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Data, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X GINNA X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X GINNA X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-4	06/01/88	F	78.3	A	3	88-005	CH	INSTRU	REACTOR TRIP - 'B' STEAM GENERATOR LO FEED FLOW - LO LEVEL, DUE TO FEED FLOW INSTRUMENT FAILURE.

XXXXXXXXXXXX GINNA INCURRED 1 FORCED DUTAGE IN JUNE FOR REASONS STATED ABOVE.
X SUMMARY X
XXXXXXXXXXXX

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)

* GINNA *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. MARSCHALL
LICENSING PROJ MANAGER.....C. STAHL
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 14610

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.13 "HIGH RADIATION AREA" ON FEBRUARY 15, 1988, AT APPROXIMATELY 1830, A GROUP OF FOUR INDIVIDUALS WAS NOTED WORKING ON THE PRESSURIZER INTERMEDIATE PLATFORM, A POSTED HIGH RADIATION AREA IN THE CONTAINMENT. THE GROUP DID NOT HAVE A RADIATION SURVEY METER OR ALARMING DOSIMETER IN THEIR POSSESSION. ADDITIONALLY, NO HEALTH PHYSICS PERIODIC SURVEILLANCE FREQUENCY WAS SPECIFIED ON THE CONTROLLING WORK PERMIT. CONTRARY TO TS 6.8 "PROCEDURES" NO DESCRIPTION OF RADIATION HAZARDS WHICH MAY BE ENCOUNTERED (I.E., RADIATION OR CONTAMINATION LEVELS) WAS INCLUDED ON SWP S20290, S20475 AND S20947. THESE PERMITS WERE VERIFIED TO HAVE BEEN USED BY WORKERS. ALSO, NO DOCUMENTATION OF HP COVERAGE WAS MADE EITHER BY USE OF ATTACHMENT V OR BY HP SIGN-IN ON THE WORK SWP, FOR SWP NOS 20342, 20387 OR 20337. EACH OF THESE SWPS REQUIRED HP SURVEY EVERY 60 MINUTES. CONTRARY TO PROCEDURE HP-2.2.1 "WHOLE BODY COUNTER SOURCE CHECK" ON JANUARY 19, JANUARY 25, AND FEBRUARY 15, 1988 THE DAILY SOURCE CHECK RESULTS FELL ABOVE THE (3 SIGMA CONTROL LIMIT AND THE WHOLE BODY COUNTER CONTINUED TO BE UTILIZED TO COUNT PERSONNEL.
(8800 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.

REPORTS FROM LICENSEE

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-416 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: S. H. HOBBS (601) 969-2458

4. Licensed Thermal Power (MHT): 5833

5. Nameplate Rating (Gross MWe): 1373

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1140

8. Maximum Dependable Capacity (Net MWe): 1142

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>26,304.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,152.9</u>	<u>19,864.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,022.5</u>	<u>19,145.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,735,458</u>	<u>14,896,279</u>	<u>64,091,951</u>
18. Gross Elec Ener (MWH)	<u>890,240</u>	<u>4,909,510</u>	<u>20,100,920</u>
19. Net Elec Ener (MWH)	<u>856,312</u>	<u>4,719,226</u>	<u>19,198,420</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.1</u>	<u>72.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.1</u>	<u>72.8</u>
22. Unit Cap Factor (MDC Net)	<u>104.1</u>	<u>94.6</u>	<u>63.9</u>
23. Unit Cap Factor (DER Net)	<u>95.1</u>	<u>86.5</u>	<u>58.4</u>
24. Unit Forced Outage Pate	<u>.0</u>	<u>5.2</u>	<u>6.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>221.2</u>	<u>1,329.4</u>

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

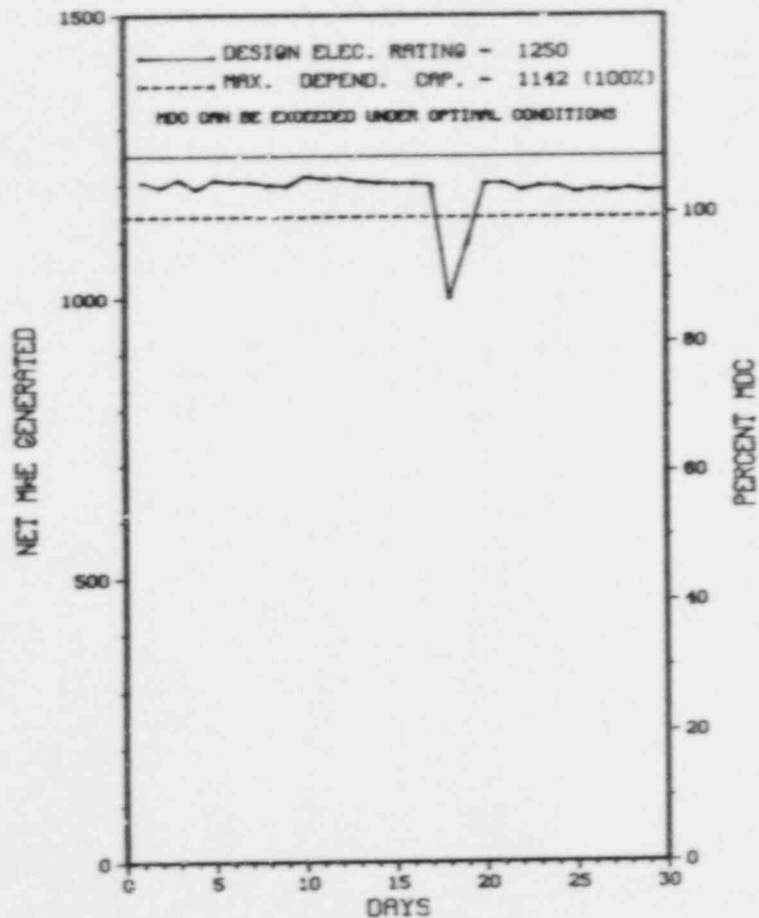
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X GRAND GULF 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X GRAND GULF 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX GRAND GULF 1 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
X SUMMARY X SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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 GRAND GULF 1 X

FACILITY DATA

Report Period JUN 1988

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
CO. FCIL.....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 APRIL 11-18 (88-06): THIS SPECIAL ANNOUNCED TEAM INSPECTION OF EMERGENCY OPERATING PROCEDURES (EOPS) TO INCLUDE A COMPARISON OF THE EIPS WITH THE BWR OWNERS GROUPS EMERGENCY PROCEDURE GUIDELINES FOR TECHNICAL ADEQUACY, REVIEWS OF THE EOPS BY CONTROL ROOM AND PLANT WALKDOWNS, EVALUATION OF THE EOPS ON THE PLANT SIMULATOR, REVIEW OF THE ON-GOING EVALUATION PROGRAM FOR EOPS, HUMAN FACTORS ANALYSES, VALIDATION AND VERIFICATION PROGRAM AND QA INVOLVEMENT IN THE EOP PROGRAM.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

IN STARTUP FOLLOWING REFUELING AND REPAIR OF NO. 10 MAIN GENERATOR BEARING.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-416/88-15 +

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 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 1825

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

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 596

8. Maximum Dependable Capacity (Net MWe): 569

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>179,637.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>1,760.0</u>	<u>147,949.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>1,623.8</u>	<u>141,823.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>1,279,110</u>	<u>2,554,886</u>	<u>245,424,890</u>
18. Gross Elec Ener (MWH)	<u>410,656</u>	<u>864,428</u>	<u>80,644,806</u>
19. Net Elec Ener (MWH)	<u>390,996</u>	<u>802,046</u>	<u>76,362,660</u>
20. Unit Service Factor	<u>100.0</u>	<u>57.2</u>	<u>78.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>57.2</u>	<u>79.1</u>
22. Unit Cap Factor (MDC Net)	<u>95.4</u>	<u>32.3</u>	<u>77.6*</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>31.6</u>	<u>73.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,432.8</u>

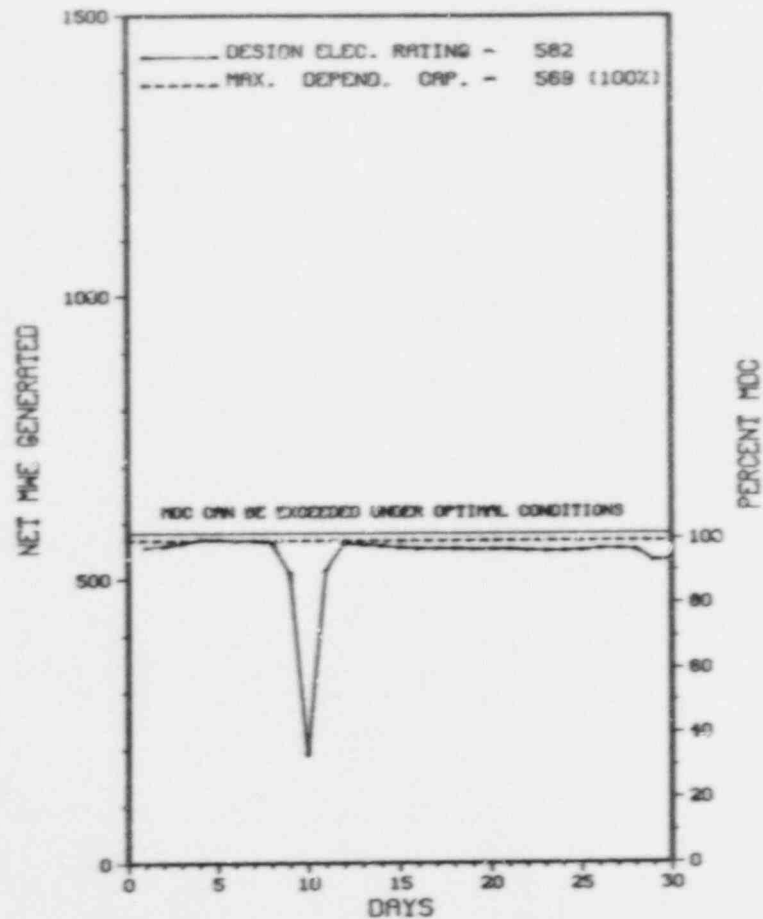
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X HADDAM NECK X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* HADDAM NECK *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-04	06/09/88	F	0.0	A	5		IG	PLANT LOAD DECREASED TO 38% POWER DUE TO AXIAL OFFSET DEVIATION. CHANGED OUT RESISTOR IN NI CHANNEL 32 AND INSTALLED NEW CIRCUIT IN INTERNAL VIBRATION MONITOR CABINET.

XXXXXXXXXXXX HADDAM NECK INCURRED ONE POWER REDUCTION IN JUNE FOR REASONS
* SUMMARY *
XXXXXXXXXXXX

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 JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. SCHEDLOSKY
LICENSING PROJ MANAGER....A. WANG
DOCKET NUMBER.....50-213
LICENSE & DATE ISSUANCE...DPR-61, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....RUSSELL LIBRARY
125 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 JUN 1988

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

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
X                      HADDAM NECK                      X  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

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: 50-400 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: MARK W. HALE (919) 362-2944

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 950

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 920

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>10,224.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,177.2</u>	<u>8,627.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,165.4</u>	<u>8,489.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,928,729</u>	<u>11,396,804</u>	<u>22,546,945</u>
18. Gross Elec Ener (MWH)	<u>640,245</u>	<u>3,835,392</u>	<u>7,500,610</u>
19. Net Elec Ener (MWH)	<u>600,233</u>	<u>3,593,772</u>	<u>6,972,601</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.4</u>	<u>83.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.4</u>	<u>83.0</u>
22. Unit Cap Factor (MDC Net)	<u>96.9</u>	<u>95.7</u>	<u>79.3</u>
23. Unit Cap Factor (DER Net)	<u>92.6</u>	<u>91.4</u>	<u>75.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.6</u>	<u>7.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>261.6</u>	<u>704.9</u>

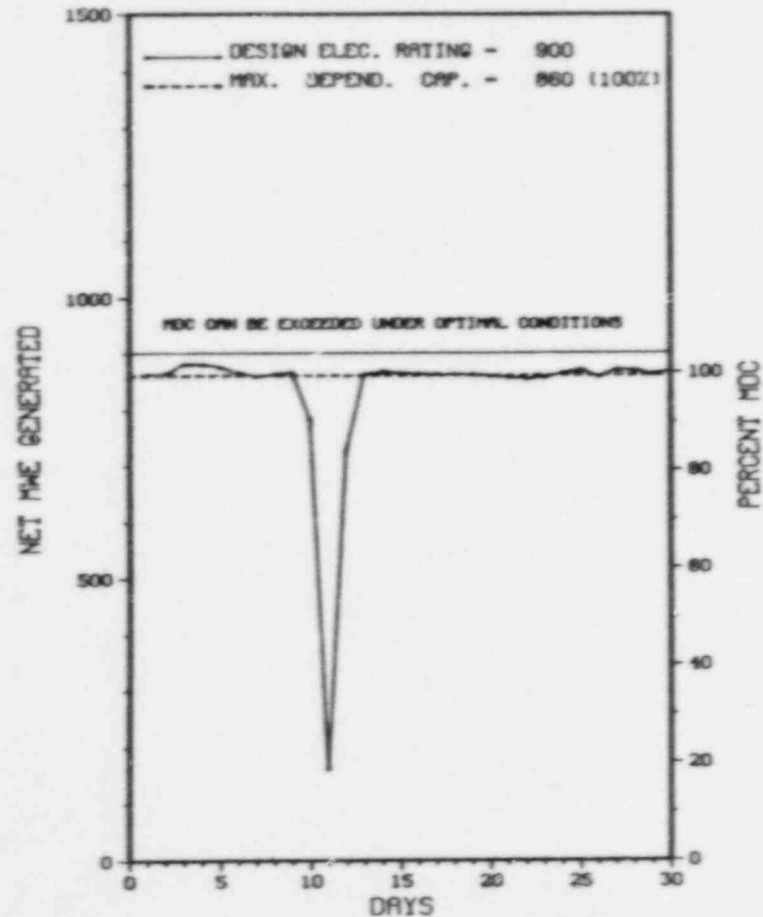
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JULY 16, 1988 - 8 WEEK DURATION.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X HARRIS 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HARRIS 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X HARRIS 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-012	06/10/88	F	0.0	A	5		HC	HTEXCH	LOAD REDUCED TO 30% DUE TO SECONDARY CHEMISTRY PARAMETERS INDICATION OF A CONDENSER TUBE LEAK. DURING THE DOWN POWER GREATER THAN 60 AFD PENALTY POINTS WERE ACCUMULATED. THE ACTION REQUIRED BY THE AFD TECH SPEC COULD NOT BE SATISFIED DUE TO AN UNRELATED, EARLIER FAILURE OF AN OT DELTA T CHANNEL. TO SATISFY TECH SPECS, REACTOR POWER WAS FURTHER REDUCED TO 4%. ONE TUBE WAS PLUGGED AND ONE TUBE WAS ROLLED IN THE WEST WATERBOX. REPAIRS WERE COMPLETED AND THE UNIT WAS RETURNED TO FULL POWER.

XXXXXXXXXXXX HARRIS 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS
 X SUMMARY X STATED ABOVE.
 XXXXXXXXXXXXXXX

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

* HARRIS 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....WAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI SW OF
RALEIGH, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 3, 1987
DATE ELEC ENER 1ST GENER...JANUARY 19, 1987
DATE COMMERCIAL OPERATE...MAY 2, 1987
CONDENSER COOLING METHOD...NDCT
CONDENSER COOLING WATER...MAKEUP RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....336 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....G. MAXWELL
LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-400
LICENSE & DATE ISSUANCE...NPF-63, JANUARY 12, 1987
PUBLIC DOCUMENT ROOM.....RICHARD B. HARRISON LIBRARY
1313 NEW BERN AVE.
RALEIGH, N. C., 27610

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

INSPECTION SUMMARY

* INSPECTION MAY 2-6 (88-10): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF COMPLEX SURVEILLANCE TESTING, IE BULLETIN FOLLOWUP, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 20 - MAY 20 (88-11): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, AND EMERGENCY RESPONSE FACILITIES APPRAISAL. IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO CONTROL SYSTEM CONFIGURATION DURING A TEST OF THE SOLID STATE PROTECTION SYSTEM.

INSPECTION MAY 23-27 (88-14): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE FACILITY RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLE ACHIEVABLE (ALARA) AND FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND IE NOTICES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 20 - JUNE 1* (88-15): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, AND 10 CFR PART 21 INSPECTIONS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period JUN 1988

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

* HARRIS 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

HARRIS HAS NOTIFIED NRC OF WJM MATERIAL (FLANGES) ONSITE. OI HAS TAKEN CUSTODY OF THREE FLANGES KNOWN TO BE FROM A HEAT NOT MEETING SPECIFICATIONS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ PLANT OPERATING 75-80%. POWER OUTAGE EXPECTED 7/30/88.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-400/88-21 +

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
88-011	05/11/88	06/10/88	UNANALYZED CONDITION PERTAINING TO INADVERTENT ACTIVATION OF LOW TEMPERATURE OVERPRESSURE PROTECTION SYSTEM.
88-012	05/13/88	06/10/88	BOTH EMERGENCY SERVICE WATER SYSTEMS INOPERABLE DUE TO ISOLATION VALVE FAILURES AND DESIGN DEFICIENCY.
88-014	05/20/88	06/20/88	SUBCOLLING MARGIN MONITOR USING UNVERIFIED COMPUTER INPUTS FOR CALCULATIONS DUE TO PROCEDURAL DEFICIENCY.

=====

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. H. RICHARDSON (912) 367-7781 X2878

4. Licensed Thermal Power (MWT): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 776

7. Maximum Dependable Capacity (Gross MWe): 789

8. Maximum Dependable Capacity (Net MWe): 756

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

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

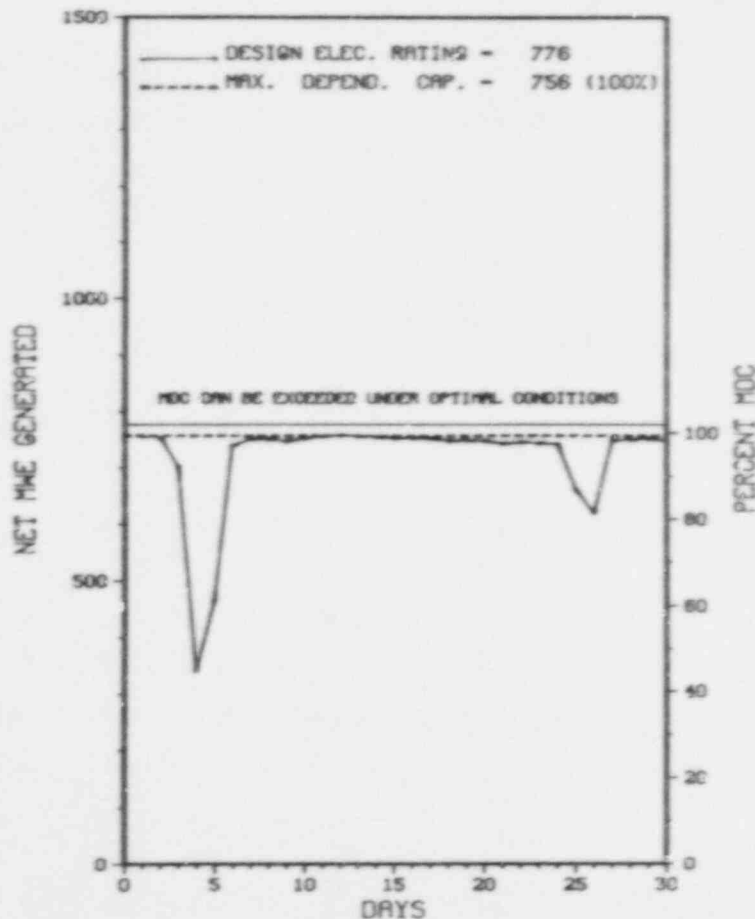
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>109,559.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,353.9</u>	<u>78,118.8</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,258.3</u>	<u>74,035.0</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Thrm Ener (MWH)	<u>1,680,984</u>	<u>7,711,076</u>	<u>160,466,456</u>
18. Gross Elec Ener (MWH)	<u>539,560</u>	<u>2,473,080</u>	<u>51,852,460</u>
19. Net Elec Ener (MWH)	<u>516,336</u>	<u>2,351,033</u>	<u>49,282,252</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.6</u>	<u>67.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.6</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>94.9</u>	<u>71.2</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>92.4</u>	<u>69.4</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>22.4</u>	<u>14.0</u>
25. Forced Outage Hours	<u>0</u>	<u>938.1</u>	<u>11,801.2</u>
26. Shutdowns Sched Over Next 3 Months (Type, Date, Duration): <u>REFUELING - SEPTEMBER 28, 1988 - 75 DAY DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * HATCH 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-007	06/04/88	S	0.0	B	5		HC	HTEXCH	REDUCED LOAD FOR CONDENSER TUBE LEAK INSPECTION.

XXXXXXXXXXXX HATCH 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS STATED
 * SUMMARY *
 ABOVE.
 XXXXXXXXXXXXXXX

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

* HATCH 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IF REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. HOLMES RAY
LICENSING PROJ MANAGER.....L. CROCKER
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 31513

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

INSPECTION SUMMARY

+ INSPECTION APRIL 18-20 AND APRIL 23 - MAY 20 (88-14): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, REVIEW OF LICENSEE'S OPERATIONAL UPGRADE EFFORTS, AND RECENT CHEMISTRY INITIATIVES. TWO VIOLATIONS WERE IDENTIFIED. ONE VIOLATION WAS FOR BACKFILLING AN INSTRUMENT REFERENCE LEG WITHOUT SPECIFIC WORK INSTRUCTIONS OR PROCEDURES. THE OTHER VIOLATION WAS FOR VIOLATING PRIMARY CONTAINMENT INTEGRITY DURING HYDROGEN RECOMBINER SYSTEM TESTING. ONE UNRESOLVED ITEM WAS ALSO IDENTIFIED INVOLVING IMPROPER DRYWELL PNEUMATIC SYSTEM VALVE LINEUP.

INSPECTION MAY 9-20 (88-15): THIS WAS AN ANNOUNCED OPERATIONAL PERFORMANCE ASSESSMENT (OPA). THE OPA ASSESSED THE EFFECTIVENESS OF VARIOUS PLANT GROUPS INCLUDING OPERATIONS, MAINTENANCE, QUALITY ASSURANCE, ENGINEERING AND TRAINING, IN SUPPORTING SAFE PLANT OPERATIONS. PLANT MANAGEMENT AWARENESS OF, INVOLVEMENT IN, AND SUPPORT OF SAFE PLANT OPERATION WERE ALSO EVALUATED. THE INSPECTION WAS DIVIDED INTO FOUR MAJOR AREAS INCLUDING OPERATIONAL ENHANCEMENTS, OPERATIONS, MAINTENANCE SUPPORT OF OPERATIONS, AND MANAGEMENT CONTROLS. EMPHASIS WAS PLACED ON NUMEROUS INTERVIEWS OF PERSONNEL AT ALL LEVELS, OBSERVATION OF PLANT ACTIVITIES AND MEETINGS, EXTENDED CONTROL ROOM OBSERVATIONS, AND PLANT AND SYSTEM WALKDOWNS. THE INSPECTORS ALSO REVIEWED PLANT DEVIATION REPORTS AND LICENSEE EVENT REPORTS (LERS) FOR THE CURRENT SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) EVALUATION PERIOD, AND EVALUATED THE EFFECTIVENESS OF THE LICENSEE'S ROOT CAUSE IDENTIFICATION; SHORT TERM AND PROGRAMMATIC CORRECTIVE ACTIONS; AND REPETITIVE FAILURE TRENDING AND RELATED CORRECTIVE ACTIONS. IN GENERAL, THE LICENSEE'S PROGRAMS IN THE AREAS INSPECTED WERE FOUND TO BE ADEQUATE WITH A NUMBER OF STRONG FEATURES. WEAKNESSES WERE IDENTIFIED IN SOME PROGRAMS. THE LICENSEE COMMITTED TO EVALUATE THESE AREAS AND TAKE APPROPRIATE ACTIONS TO ENHANCE PERFORMANCE IN THESE AREAS. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* HATCH 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

APPARENT FAILURE TO COMPLETE QUARTERLY FIRE BRIGADE LEADERSHIP TRAINING.

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: JULY 22, 1988 +

INSPECTION REPORT NO: 50-321/88-22 +

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
88-009	05/20/88	06/20/88	LACK OF PROCEDURAL CLARIFICATION RESULTS IN REACTOR SCRAM.
88-010	05/25/88	06/22/88	DEFICIENT PROCEDURE ALLOWS CONFIGURATION WHERE MONITORS DO NOT MEET OPERABILITY REQUIREMENT.
88-011	05/09/88	06/08/88	DESIGN DEFICIENCY COULD AFFECT CONTROL ROOM ENVIRONMENTAL CONTROL SYSTEM.

=====

1. Docket: 50-366 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. H. RICHARDSON (9:2) 367-7781 X2878

4. Licensed Thermal Power (Mwt): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 768

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>77,328.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,086.6</u>	<u>54,778.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>701.5</u>	<u>1,705.2</u>	<u>52,279.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,667,640</u>	<u>3,659,102</u>	<u>112,397,425</u>
18. Gross Elec Ener (MWH)	<u>545,420</u>	<u>1,192,170</u>	<u>36,947,270</u>
19. Net Elec Ener (MWH)	<u>521,907</u>	<u>1,119,223</u>	<u>35,163,735</u>
20. Unit Service Factor	<u>97.4</u>	<u>39.0</u>	<u>67.6</u>
21. Unit Avail Factor	<u>97.4</u>	<u>39.1</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>94.4</u>	<u>33.4</u>	<u>59.2</u>
23. Unit Cap Factor (DER Net)	<u>92.5</u>	<u>32.7</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>2.6</u>	<u>37.5</u>	<u>9.7</u>
25. Forced Outage Hours	<u>18.5</u>	<u>1,021.9</u>	<u>5,605.7</u>

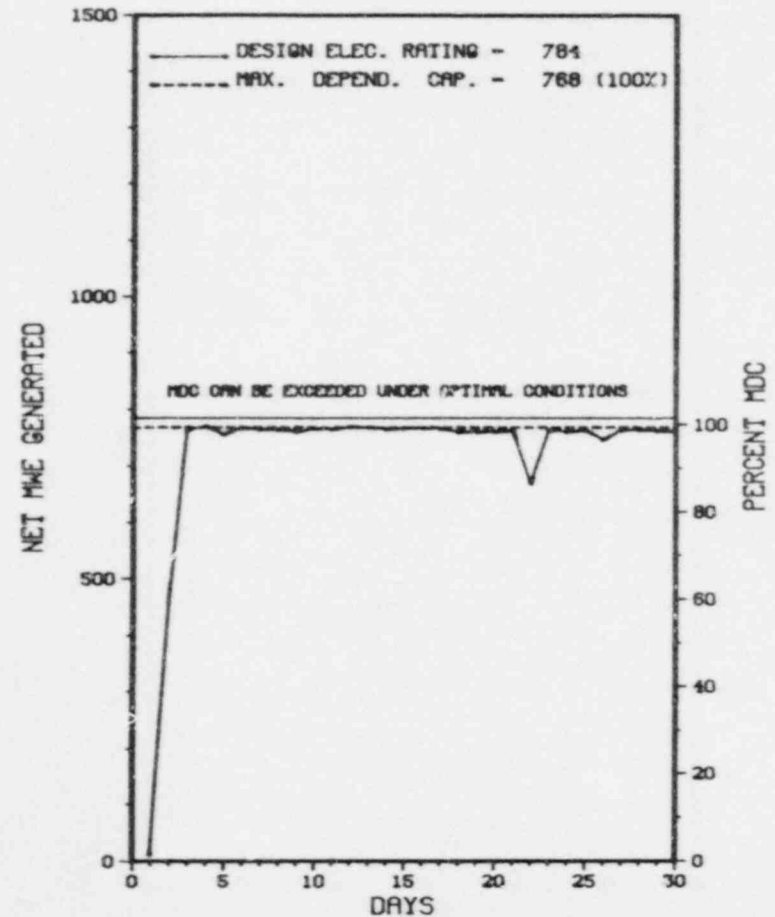
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * HATCH 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-009	05/31/88	F	18.5	B	4		HA	TURBIN	NUMBER 3 TURBINE STOP VALVE FAILED TO OPEN DURING STARTUP. INVESTIGATION FOUND A SMALL METAL OBJECT OBSTRUCTING THE LINE TO THE VALVE'S HYDRAULIC CONTROLS.

 * SUMMARY *

 HATCH 2 ENTERED JUNE IN AN OUTAGE AND SUBSEQUENTLY RETURNED TO POWER.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X HATCH 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. HOLMES RAY
LICENSING PROJ MANAGER.....L. CROCKER
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31513

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

INSPECTION SUMMARY

+ INSPECTION APRIL 18-20 AND APRIL 23 - MAY 20 (88-14): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, REVIEW OF LICENSEE'S OPERATIONAL UPGRADE EFFORTS, AND RECENT CHEMISTRY INITIATIVES. TWO VIOLATIONS WERE IDENTIFIED. ONE VIOLATION WAS FOR BACKFILLING AN INSTRUMENT REFERENCE LEG WITHOUT SPECIFIC WORK INSTRUCTIONS OR PROCEDURES. THE OTHER VIOLATION WAS FOR VIOLATING PRIMARY CONTAINMENT INTEGRITY DURING HYDROGEN RECOMBINER SYSTEM TESTING. ONE UNRESOLVED ITEM WAS ALSO IDENTIFIED INVOLVING IMPROPER DRYWELL PNEUMATIC SYSTEM VALVE LINEUP.

INSPECTION MAY 9-20 (88-15): THIS WAS AN ANNOUNCED OPERATIONAL PERFORMANCE ASSESSMENT (OPA). THE OPA ASSESSED THE EFFECTIVENESS OF VARIOUS PLANT GROUPS INCLUDING OPERATIONS, MAINTENANCE, QUALITY ASSURANCE, ENGINEERING AND TRAINING, IN SUPPORTING SAFE PLANT OPERATIONS. PLANT MANAGEMENT AWARENESS OF, INVOLVEMENT IN, AND SUPPORT OF SAFE PLANT OPERATION WERE ALSO EVALUATED. THE INSPECTION WAS DIVIDED INTO FOUR MAJOR AREAS INCLUDING OPERATIONAL ENHANCEMENTS, OPERATIONS, MAINTENANCE SUPPORT OF OPERATIONS, AND MANAGEMENT CONTROLS. EMPHASIS WAS PLACED ON NUMEROUS INTERVIEWS OF PERSONNEL AT ALL LEVELS, OBSERVATION OF PLANT ACTIVITIES AND MEETINGS, EXTENDED CONTROL ROOM OBSERVATIONS, AND PLANT AND SYSTEM WALKDOWNS. THE INSPECTORS ALSO REVIEWED PLANT DEVIATION REPORTS AND LICENSEE EVENT REPORTS (LERS) FOR THE CURRENT SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) EVALUATION PERIOD, AND EVALUATED THE EFFECTIVENESS OF THE LICENSEE'S ROOT CAUSE IDENTIFICATION; SHORT TERM AND PROGRAMMATIC CORRECTIVE ACTIONS; AND REPETITIVE FAILURE TRENDING AND RELATED CORRECTIVE ACTIONS. IN GENERAL, THE LICENSEE'S PROGRAMS IN THE AREAS INSPECTED WERE FOUND TO BE ADEQUATE WITH A NUMBER OF STRONG FEATURES. WEAKNESSES WERE IDENTIFIED IN SOME PROGRAMS. THE LICENSEE COMMITTED TO EVALUATE THESE AREAS AND TAKE APPROPRIATE ACTIONS TO ENHANCE PERFORMANCE IN THESE AREAS. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING

INSPECTION SUMMARY

APPARENT FAILURE TO COMPLETE QUARTERLY FIRE BRIGADE LEADERSHIP TRAINING.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-366/88-22 +

REPORTS FROM LICENSEE

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-016	05/23/88	06/22/88	DEFICIENT PROCEDURE CAUSES MISSED SNUBBER SURVEILLANCE.
88-017	05/27/88	06/27/88	DEFICIENT PROCEDURE CAUSES LOSS OF FEEDWATER RESULTING IN REACTOR SCRAM.
88-018	05/29/88	06/27/88	MAIN TURBINE ELECTROHYDRAULIC CONTROL FLUID PRESSURE TRANSIENT RESULTS IN REACTOR SCRAM.

```
=====
```

1. Docket: 50-354 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-3400

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1118

6. Design Electrical Rating (Net MWe): 1067

7. Maximum Dependable Capacity (Gross MWe): 1118

8. Maximum Dependable Capacity (Net MWe): 1067

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>13,415.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,936.1</u>	<u>10,794.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,780.0</u>	<u>10,525.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,329,671</u>	<u>8,998,662</u>	<u>32,807,229</u>
18. Gross Elec Ener (MWH)	<u>763,378</u>	<u>2,980,551</u>	<u>10,892,248</u>
19. Net Elec Ener (MWH)	<u>731,890</u>	<u>2,848,115</u>	<u>10,413,153</u>
20. Unit Service Factor	<u>100.0</u>	<u>63.7</u>	<u>78.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>63.7</u>	<u>78.5</u>
22. Unit Cap Factor (MDC Net)	<u>95.3</u>	<u>61.1</u>	<u>72.7</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>61.1</u>	<u>72.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.2</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>92.3</u>	<u>852.9</u>

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

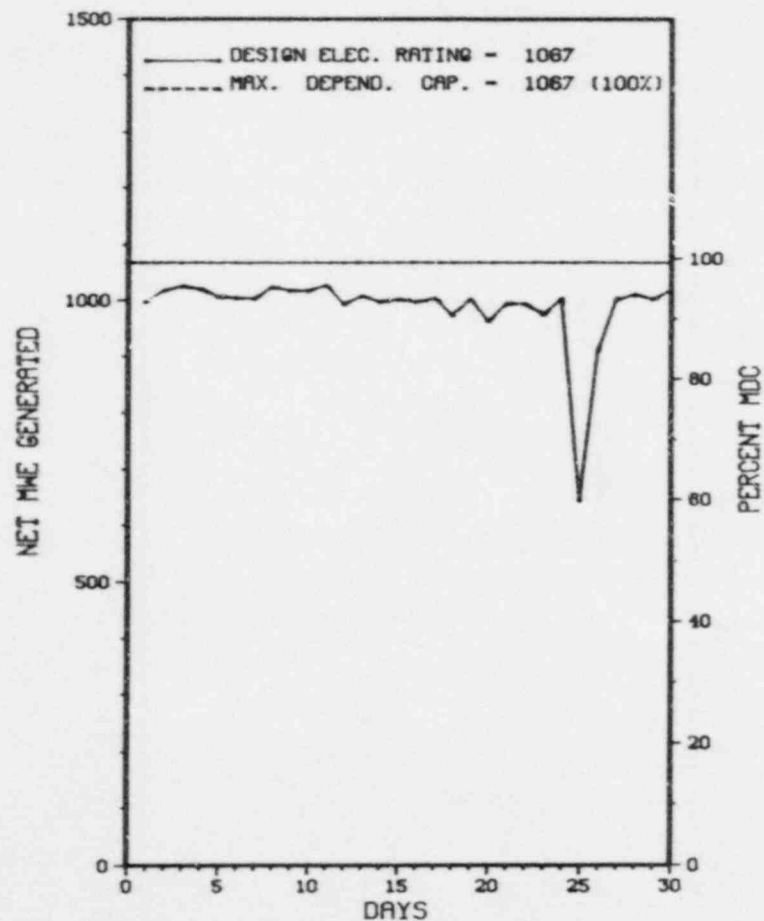
NONE

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

 * HOPE CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HOPE CREEK 1



JUNE 1988

PAGE 2-194

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* HOPE-CREEK 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	06/24/88	S	0.0	B	5				MAIN TRANSFORMER SURVEILLANCE TESTING.

XXXXXXXXXXXX HOPE CREEK INCURRED 1 POWER REDUCTION IN JUNE FOR MAIN
* SUMMARY * TRANSFORMER SURVEILLANCE TESTING.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X HOPE CREEK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
WILMINGTON, DEL
TYPE OF REACTOR.....DWR
DATE INITIAL CRITICALITY...JUNE 28, 1986
DATE ELEC ENER 1ST GENER...AUGUST 1, 1986
DATE COMMERCIAL OPERATE...DECEMBER 20, 1986
CONDENSER COOLING METHOD...NDCT
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.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....
LICENSING PROJ MANAGER....G. RIVENBARK
DOCKET NUMBER.....50-354
LICENSE & DATE ISSUANCE...NPF-57, JULY 25, 1986
PUBLIC DOCUMENT ROOM.....PENNSVILLE PUBLIC LIBRARY
190 SOUTH BROADWAY
PENNSVILLE, N. J. 08070

INSPECTION STATUS

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 JUN 1988

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

XX
* HOPE CREEK 1 *
XX

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: 50-247 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: K. KRIEGER (914) 526-5155

4. Licensed Thermal Power (MWT): 2750

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 849

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>9,367.0</u>	<u>122,736.0</u>
13. Hours Reactor Critical	<u>500.3</u>	<u>3,636.6</u>	<u>84,255.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,867.6</u>
15. Hrs Generator On-Line	<u>463.9</u>	<u>3,466.8</u>	<u>81,863.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,254,343</u>	<u>9,244,908</u>	<u>214,087,778</u>
18. Gross Elec Ener (MWH)	<u>403,816</u>	<u>3,025,186</u>	<u>65,636,742</u>
19. Net Elec Ener (MWH)	<u>385,075</u>	<u>2,701,364</u>	<u>63,037,152</u>
20. Unit Service Factor	<u>64.4</u>	<u>79.4</u>	<u>66.7</u>
21. Unit Avail Factor	<u>64.4</u>	<u>79.4</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>63.0</u>	<u>77.6</u>	<u>60.4*</u>
23. Unit Cap Factor (DER Net)	<u>61.3</u>	<u>76.1</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>7.5</u>	<u>1.8</u>	<u>8.5</u>
25. Forced Outage Hours	<u>37.6</u>	<u>62.9</u>	<u>7,320.2</u>

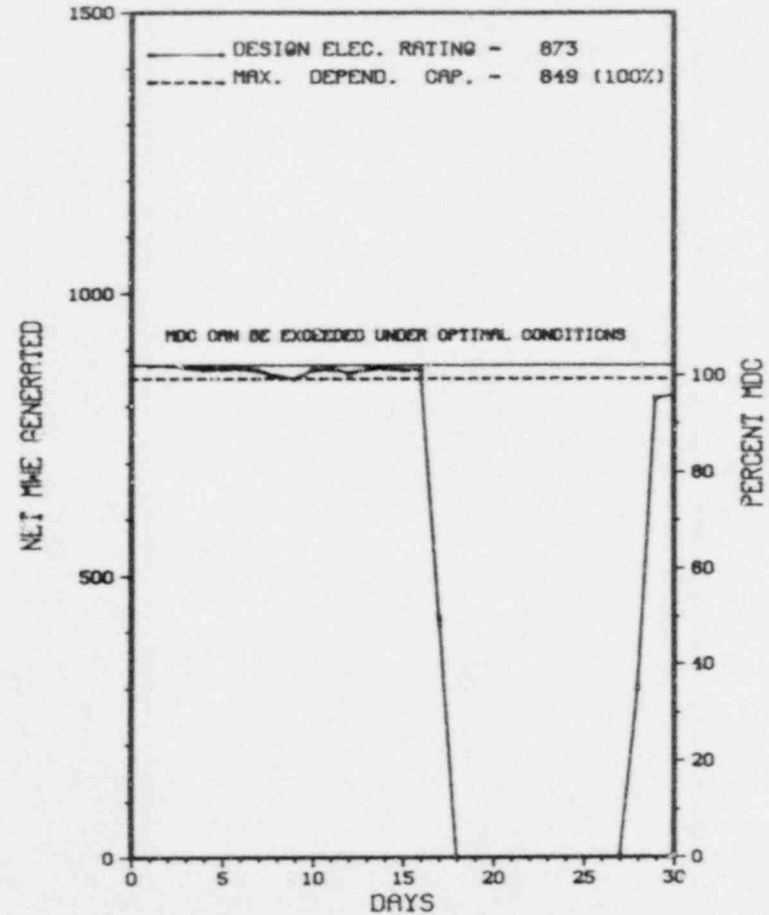
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5A	06/17/88	F	10.0	H	3	88-06	CH	PUMPXX	LOSS OF MBFP DUE TO ACCIDENTAL MANUAL TRIP.
5B	06/17/88	S	218.5	B	9		CA	VESSEL	UNIT REMAINED SHUTDOWN TO INSPECT AND REPAIR REACTOR HEAD CONOSEALS.
5C	06/27/88	F	27.6	A	9		EB	INSTAL	ELECTRICAL GENERATOR EXCITER.

 * SUMMARY *

 INDIAN POINT 2 INCURRED THREE OUTAGES IN JUNE FOR REASONS STATED 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)

* INDIAN POINT 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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

XX
* I N D I A N P O I N T 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: 50-286 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MW): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>103,752.0</u>
13. Hours Reactor Critical	<u>670.5</u>	<u>3,827.6</u>	<u>63,172.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>636.5</u>	<u>3,760.6</u>	<u>61,235.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,814,831</u>	<u>11,084,797</u>	<u>163,096,940</u>
18. Gross Elec Ener (MWH)	<u>589,050</u>	<u>3,649,600</u>	<u>52,027,656</u>
19. Net Elec Ener (MWH)	<u>566,504</u>	<u>3,522,256</u>	<u>49,912,824</u>
20. Unit Service Factor	<u>88.4</u>	<u>86.5</u>	<u>59.0</u>
21. Unit Avail Factor	<u>88.4</u>	<u>86.3</u>	<u>59.0</u>
22. Unit Cap Factor (MDC Net)	<u>81.5</u>	<u>83.6</u>	<u>49.9</u>
23. Unit Cap Factor (DER Net)	<u>81.5</u>	<u>83.6</u>	<u>49.9</u>
24. Unit Forced Outage Rate	<u>11.6</u>	<u>4.0</u>	<u>17.8</u>
25. Forced Outage Hours	<u>83.5</u>	<u>156.0</u>	<u>13,245.4</u>

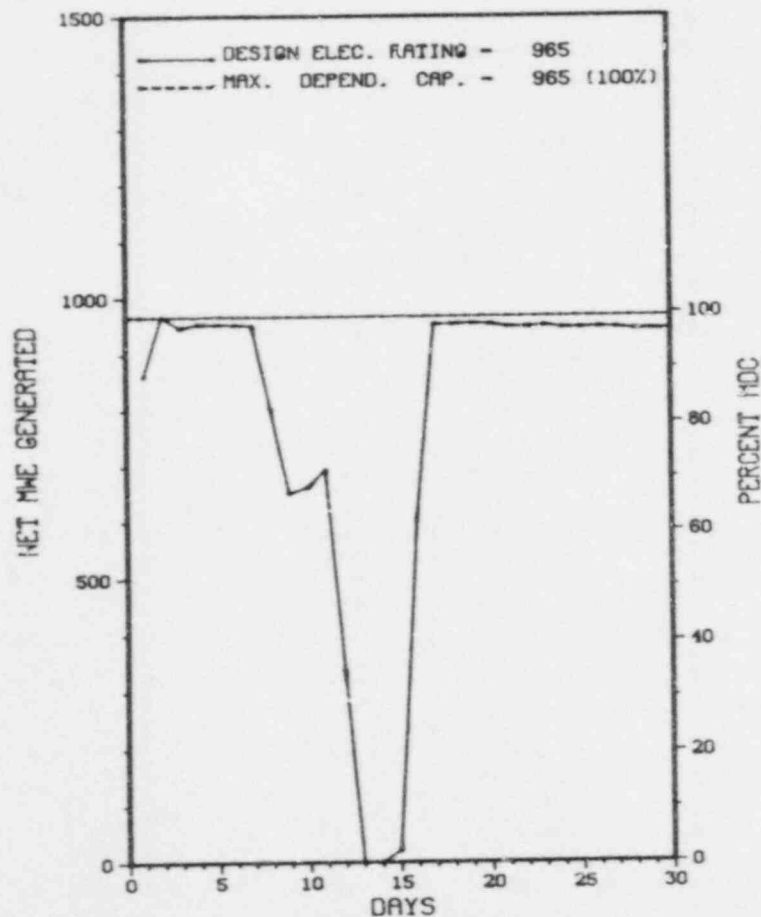
26. Shutdowns Sched Over Next 6 Months (Type-Date,Duration):
NONE

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

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
04	06/08/88	F	0.0	B	5		HH	PUMPXX	LOAD REDUCTION FROM FULL LOAD TO APPROXIMATELY 690 MWE TO REPAIR A SEAL ON NO.32 HEATER DRAIN PUMP.
05	06/12/88	F	83.5	A	3	88-005-00	CC	VALVEX	A FAILURE IN THE MAIN TURBINE CONTROL OIL SYSTEM CAUSED ALL MAIN TURBINE CONTROL VALVES TO SHUT, RESULTING IN A LOW-LOW LEVEL IN NO.32 STEAM GENERATOR.

 * SUMMARY *

 INDIAN POINT 3 INCURRED 1 FORCED OUTAGE AND 1 POWER REDUCTION
 IN JUNE FOR REASONS STATED 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)

* INDIAN POINT 3 *

FACILITY DATA

Report Period JUN 1988

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.....NEW YORK POWER AUTHORITY
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.....J. 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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X INDIAN POINT 3 X
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: 06/01/88 Outage + On-line Hrs: 720,0

3. Utility Contact: G. RUITER (414) 388-2560 X225

4. Licensed Thermal Power (Mwt): 1650

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>123,096.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,409.6</u>	<u>104,871.9</u>
14. Rx Reserve Shtdwn Hrs	<u>0</u>	<u>0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,346.0</u>	<u>105,227.0</u>
16. Unit Reserve Shtdwn Hrs	<u>0</u>	<u>0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,180,894</u>	<u>5,265,420</u>	<u>162,685,294</u>
18. Gross Elec Ener (MWH)	<u>400,100</u>	<u>1,765,100</u>	<u>53,752,200</u>
19. Net Elec Ener (MWH)	<u>381,463</u>	<u>1,682,836</u>	<u>51,187,346</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.6</u>	<u>83.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.6</u>	<u>83.9</u>
22. Unit Cap Factor (MDC Net)	<u>105.3</u>	<u>76.6</u>	<u>80.7*</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>72.0</u>	<u>77.7</u>
24. Unit Forced Outage Rate	<u>0</u>	<u>1.5</u>	<u>2.6</u>
25. Forced Outage Hours	<u>0</u>	<u>50.1</u>	<u>2,868.9</u>

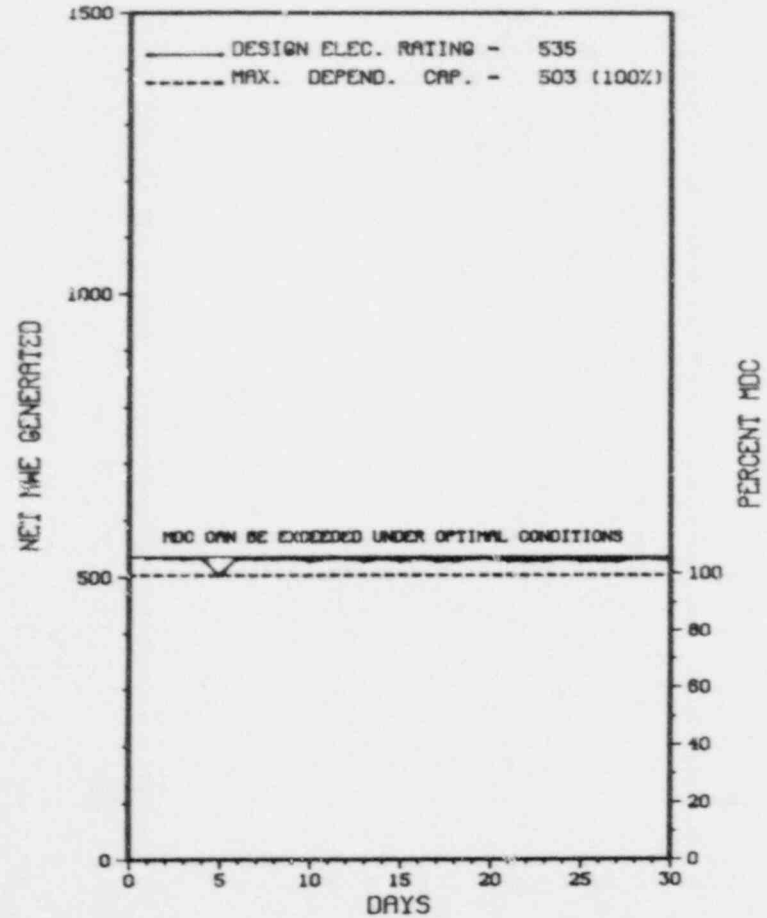
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* KEWAUNEE *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* Kewaunee *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX KEWAUNEE OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OF
* SUMMARY * SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X Kewaunee X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. NELSON
LICENSING PROJ MANAGER.....J. GIITTER
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 FROM MARCH 21 THROUGH APRIL 29 (88008): SPECIAL SAFETY INSPECTION ON LICENSEE ACTION ON IE BULLETINS, LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS, TRAINING, AND SNUBBER FUNCTIONAL TESTING. (92703, 92702, 41400, 70370). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period JUN 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X Kewaunee X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

LICENSING PROJECT MANAGER - J.G. GITTER

PLANT STATUS:

SHUT DOWN FOR REFUELING; OPERATING AT POWER

LAST IE SITE INSPECTION DATE: 04/21/88

INSPECTION REPORT NO: 88013

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-06	050288	060188	SPURIOUS OVER TEMPERATURE DELTA TEMPERATURE TRIP SIGNAL IN CONJUNCTION WITH MONTHLY SURVEILLANCE OF NUCLEAR INSTRUMENTATION CAUSES REACTOR TRIP
88-07	052888	062788	DEGRADATION OF CONTAINMENT INTEGRITY DUE TO MECHANICAL ANOMALY OF ASCO SOLENOID VALVES

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. J. KIRCHNER (815) 357-6761 X 705

4. Licensed Thermal Power (MWT): 3323

5. Nameplate Rating (Gross MWe): 1978

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

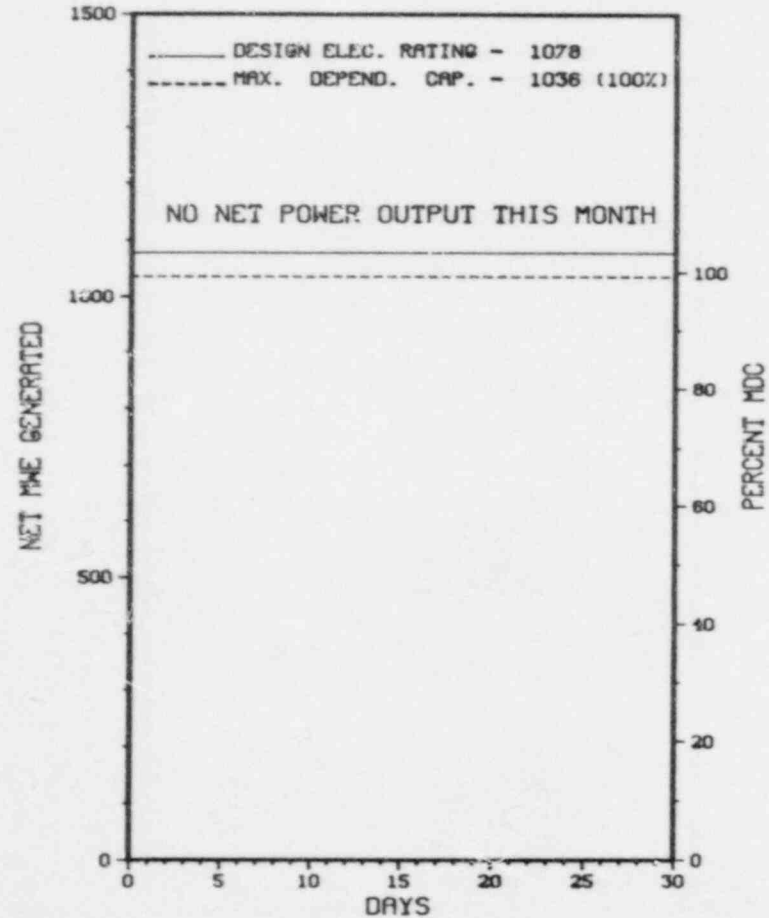
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>39,431.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,729.8</u>	<u>21,773.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,729.8</u>	<u>21,158.4</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>5,252,038</u>	<u>63,222,404</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,777,631</u>	<u>18,744,890</u>
19. Net Elec Ener (MWH)	<u>-5,337</u>	<u>1,701,733</u>	<u>17,311,521</u>
20. Unit Service Factor	<u>.0</u>	<u>39.6</u>	<u>53.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>39.6</u>	<u>53.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>37.6</u>	<u>43.6</u>
23. Unit Cap Factor (DEE Net)	<u>.0</u>	<u>36.1</u>	<u>41.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,264.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>07/30/88</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X LASALLE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* LASALLE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
4	03/13/88	S	720.0	C	4			SECOND REFUEL OUTAGE.

XXXXXXXXXXXX LA SALLE 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED REFUELING
* SUMMARY * OUTAGE.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X LASALLE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period JUN 1988

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...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.....P. SHEMANSKI
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 61348

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

INSPECTION SUMMARY

INSPECTION ON MARCH 16, 18, 23-24, APRIL 26, MAY 13, AND JUNE 3 (88007; 88007): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW (73755); OF ACTIONS ON INFORMATION NOTICE NO. 88-03 (90717); AND OF A MODIFICATION/REPLACEMENT (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 14-16 (88017; 88016): ROUTINE, ANNOUNCED INSPECTION (IP 82301) OF THE LASALLE STATION'S EMERGENCY PREPAREDNESS EXERCISE, INVOLVING OBSERVATIONS BY FOUR NRC REPRESENTATIVES OF KEY FUNCTIONS AT VARIOUS LOCATIONS DURING THE EXERCISE. NO VIOLATIONS, DEVIATIONS, DEFICIENCIES, OR EXERCISE WEAKNESSES WERE IDENTIFIED. ADEQUATE CORRECTIVE ACTIONS HAD ALREADY BEEN COMPLETED, OR WERE DEMONSTRATED, ON THE WEAKNESS AND BOTH OPEN ITEMS IDENTIFIED DURING THE 1987 EXERCISE INSPECTION.

INSPECTION CONDUCTED BETWEEN APRIL 23 AND MAY 3 (88008): INCLUDED A REVIEW OF LICENSEE MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT, REPORTS AND RECORDS; TESTING AND MAINTENANCES; PHYSICAL BARRIERS PROTECTED AND VITAL AREAS; POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW AND SAFEGUARD INFORMATION. BASED ON ONSITE INSPECTION ACTIVITIES, FOUR VIOLATIONS AND TWO OPEN ITEMS WERE IDENTIFIED. TWO ADDITIONAL VIOLATIONS WERE IDENTIFIED DURING IN OFFICE REVIEW OF INSPECTION ACTIVITIES. (1) SECURITY ORGANIZATION: FAILURE TO MAINTAIN AN ADEQUATE RESPONSE FORCE. (2) REPORTS AND RECORDS: FAILURE TO SUBMIT A REQUIRED REPORT IN A TIMELY MANNER. (3) PHYSICAL BARRIERS: FAILURES TO CONTROL ACCESS THROUGH A DEGRADED VITAL AREA BARRIER. (4) PHYSICAL BARRIERS: FAILURE TO MAINTAIN AN EFFECTIVE VITAL AREA PORTAL. (5) COMPENSATORY MEASURES: FAILURE TO ADEQUATELY IMPLEMENT COMPENSATORY

Report Period JGN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X LASALLE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

MEASURES ON THREE OCCASIONS. (6) DETECTION AIDS-PROTECTED AREA: A PORTION OF THE ALARM SYSTEM FAILED TO DETECT PROPERLY. (7) SECURITY PROGRAM AUDIT: STRENGTHEN THE EFFECTIVENESS OF THE LICENSEE'S AUDIT PROGRAM. (8) ACCESS CONTROL-PACKAGES: MODIFY PROGRAM TO CLEARLY DEFINE SEARCHING REQUIREMENTS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT 1 RESTATED FROM ITS REFUELING OUTAGE ON JULY 4, 1988 AND IS CONTINUING THROUGH ITS POST REFUELING TEST PROGRAM.

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88017

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X LASALLE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	050388	060188	ENGINEERED SAFETY FEATURE ISOLATION DUE TO JUMPER FALLING OFF TERMINAL AND SHORTING ISOLATION SYSTEM
88-08	051788	061488	REACTOR PROTECTION SYSTEM TRIP DUE TO INADVERTENT GROUNDING DURING JUMPER INSTALLATION
88-09	052988	062888	HIGH PRESSURE CORE SPRAY LOW LOW LEVEL INITIATION STATIC-O-RING LEVEL SWITCH DIAPHRAGM RUPTURE
88-10	052988	062888	SPURIOUS AMMONIA DETECTOR TRIP DUE TO DESIGN DEFICIENCY IN THE CHEMCASSETTE TAPE MECHANISM
88-11	060188	062988	LOSS OF 120/208 VOLT POWER FROM DISTRIBUTION 136X-1 DUE TO CONTRACTOR BUMPING AND TRIPPING BREAKER
88-12	060888	063088	FAILURE OF #0 DIESEL GENERATOR TO SATISFY REQUIREMENTS DUE TO GOVERNOR OUT OF ADJUSTMENT
88-13	060988	070888	SPURIOUS AMMONIA DETECTOR TRIP DUE TO FAILURE OF FRONT OPTICS INDICATOR LAMP

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. J. KIRCHNER (J15) 357-6761 X 704

4. Licensed Thermal Power (MWT): 3325

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>32,423.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,165.5</u>	<u>20,950.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,716.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,148.9</u>	<u>20,620.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,093,616</u>	<u>12,296,040</u>	<u>60,091,095</u>
18. Gross Elec Ener (MWH)	<u>688,896</u>	<u>4,104,003</u>	<u>19,912,214</u>
19. Net Elec Ener (MWH)	<u>659,981</u>	<u>3,949,616</u>	<u>19,032,139</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.0</u>	<u>63.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.0</u>	<u>63.6</u>
22. Unit Cap Factor (MDC Net)	<u>88.5</u>	<u>87.3</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>85.0</u>	<u>83.9</u>	<u>54.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.0</u>	<u>17.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>218.1</u>	<u>4,317.9</u>

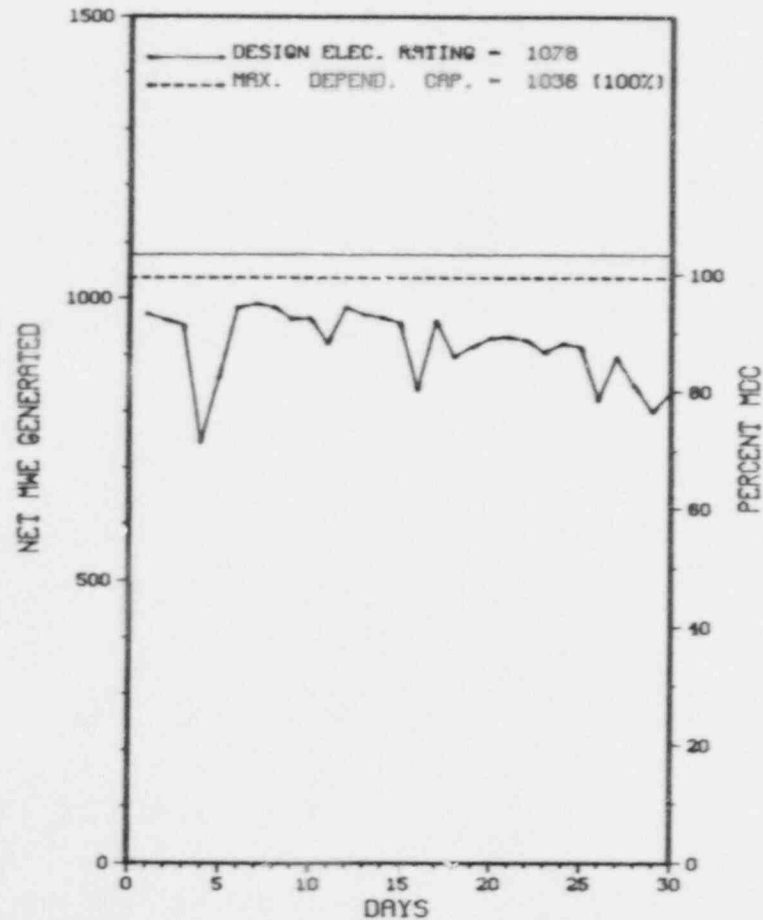
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 15, 1988 - 15 WEEK DURATION.

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

* LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* LASALLE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	06/03/88	S	0.0	B	5				LOAD DROP FOR SCRAM TIMING AND CONTROL ROD ADJUSTMENT.

***** LA SALLE 2 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS
* SUMMARY * STATED 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)

* LASALLE 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER.....P. SHEMANSKI
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 61348

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 16, 18, 23-24, APRIL 20, MAY 13, AND JUNE 3 (88007; 88007): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW (73755); OF ACTIONS ON INFORMATION NOTICE NO. 88-03 (90717); AND OF A MODIFICATION/REPLACEMENT (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 14-16 (88017; 88016): ROUTINE, ANNOUNCED INSPECTION (IP 32301) OF THE LASALLE STATION'S EMERGENCY PREPAREDNESS EXERCISE, INVOLVING OBSERVATIONS BY FOUR NRC REPRESENTATIVES OF KEY FUNCTIONS AT VARIOUS LOCATIONS DURING THE EXERCISE. NO VIOLATIONS, DEVIATIONS, DEFICIENCIES, OR EXERCISE WEAKNESSES WERE IDENTIFIED. ADEQUATE CORRECTIVE ACTIONS HAD ALREADY BEEN COMPLETED, OR WERE DEMONSTRATED, ON THE WEAKNESS AND BOTH OPEN ITEMS IDENTIFIED DURING THE 1987 EXERCISE INSPECTION.

INSPECTION CONDUCTED BETWEEN APRIL 23 AND MAY 3 (88008): INCLUDED A REVIEW OF LICENSEE MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT, REPORTS AND RECORDS; TESTING AND MAINTENANCES; PHYSICAL BARRIERS PROTECTED AND VITAL AREAS; POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW AND SAFEGUARD INFORMATION. BASED ON ONSITE INSPECTION ACTIVITIES, FOUR VIOLATIONS AND TWO OPEN ITEMS WERE IDENTIFIED. TWO ADDITIONAL VIOLATIONS WERE IDENTIFIED DURING IN OFFICE REVIEW OF INSPECTION ACTIVITIES. (1) SECURITY ORGANIZATION: FAILURE TO MAINTAIN AN ADEQUATE RESPONSE FORCE. (2) REPORTS AND REPORTS: FAILURE TO SUBMIT A REQUIRED REPORT IN A TIMELY MANNER. (3) PHYSICAL BARRIERS: FAILURES TO CONTROL ACCESS THROUGH A DEGRADED VITAL AREA BARRIER. (4) PHYSICAL BARRIERS: FAILURE TO MAINTAIN AN EFFECTIVE VITAL AREA PORTAL. (5) COMPENSATORY MEASURES: FAILURE TO ADEQUATELY IMPLEMENT COMPENSATORY

1. Bucket: 50-352 OPERATING STATUS
 2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
 3. Utility Contact: R. W. GROPP (215) 841-5058
 4. Licensed Thermal Power (MWT): 3293
 5. Nameplate Rating (Gross MWe): 1138
 6. Design Electrical Rating (Net MWe): 1055
 7. Maximum Dependable Capacity (Gross MWe): 1092
 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): 950
 11. Reasons for Restrictions, If Any: _____

POWER RESTRICTED DUE TO FUEL ROD LEAK.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>21,143.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,059.3</u>	<u>16,903.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,053.0</u>	<u>16,615.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,031,458</u>	<u>12,309,060</u>	<u>51,205,441</u>
18. Gross Elec Ener (MWH)	<u>653,530</u>	<u>3,976,400</u>	<u>16,675,810</u>
19. Net Elec Ener (MWH)	<u>626,195</u>	<u>3,825,081</u>	<u>15,992,918</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.8</u>	<u>78.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.8</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>82.4</u>	<u>83.0</u>	<u>71.7</u>
23. Unit Cap Factor (DER Net)	<u>82.4</u>	<u>83.0</u>	<u>71.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.2</u>	<u>4.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>316.0</u>	<u>805.9</u>

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

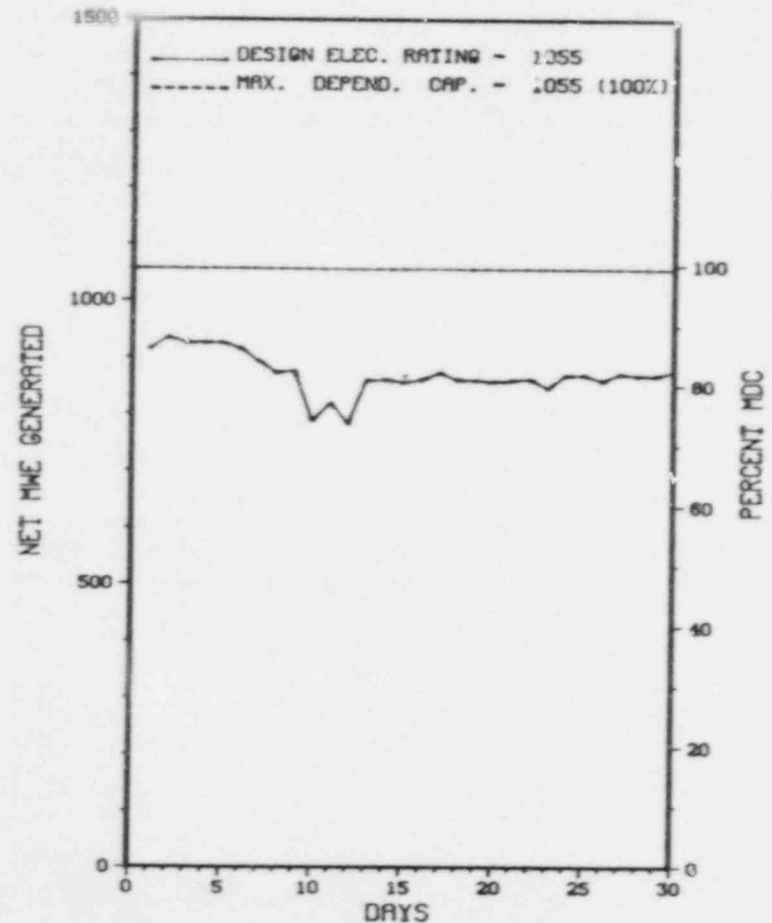
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * LIMERICK 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



JUNE 1988

Report Period JUN 1986

UNIT SHUTDOWNS / REDUCTIONS

* LIMERICK 1 *

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

NONE

* SUMMARY *

LIMERICK 1 OPERATED AT AN ADMINISTRATIVELY RESTRICTED POWER LEVEL IN JUNE WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X LIMERICK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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 EMER 1ST GENER...APRIL 13, 1985
DATE COMMERCIAL OPERATE...FEBRUARY 1, 1986
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.....D. CLARK
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 JUN 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X LIMERICK 1 X
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.

REPORTS FROM LICENSEE

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

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. M. TAYLOR (207) 882-6321

4. Licensed Thermal Power (MWh): 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:
NCNE

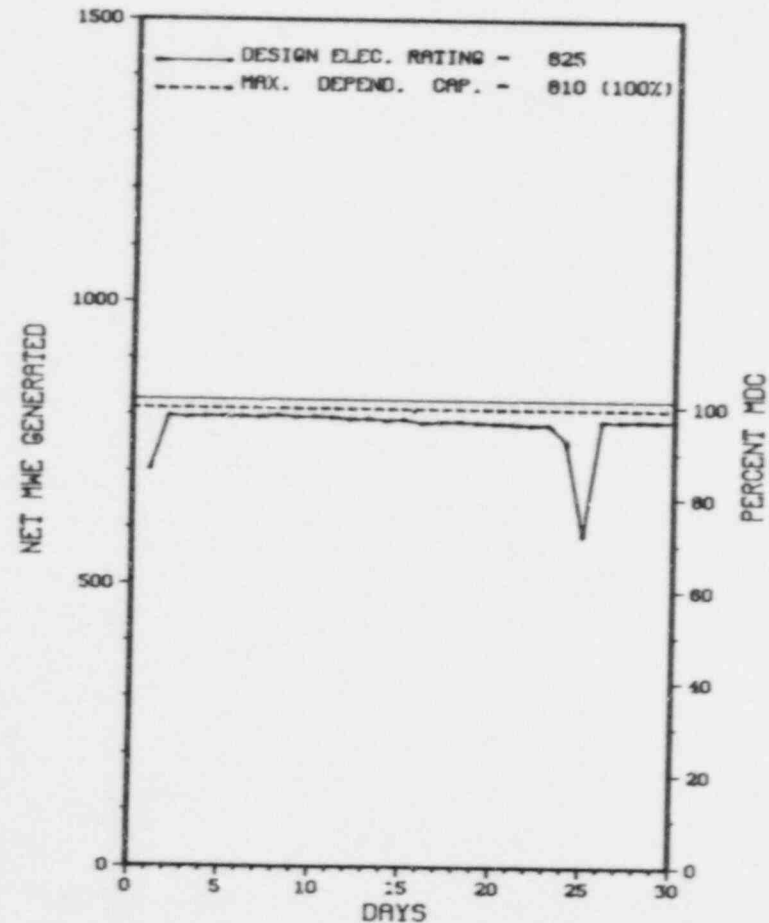
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>137,123.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,350.9</u>	<u>110,203.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,337.8</u>	<u>106,996.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,870,699</u>	<u>11,329,439</u>	<u>245,689,773</u>
18. Gross Elec Ener (MWH)	<u>580,970</u>	<u>3,550,960</u>	<u>80,439,690</u>
19. Net Elec Ener (MWH)	<u>561,837</u>	<u>3,434,507</u>	<u>76,909,456</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.3</u>	<u>78.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.3</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>96.3</u>	<u>97.1</u>	<u>70.8*</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>95.3</u>	<u>69.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>29.2</u>	<u>7,739.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 10/15/88 - 8 WEEK DURATION

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

XX
 X MAINE YANKEE X
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MAINE YANKEE



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * MAINE YANKEE *
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
LR-75%	06-01/88	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR TURBINE VALVE AND EXCESS FLOW CHECK VALVE TESTING, CONDENSER WATER BOX CLEANING AND MUSSEL CONTROL.
LR 75%	06/24/88	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR TURBINE VALVE AND EXCESS FLOW CHECK VALVE TESTING, MUSSEL CONTROL AND CONDENSER WATER BOX CLEANING.

XXXXXXXXXXXX MAINE YANKEE INCURRED 2 POWER REDUCTIONS IN JUNE FOR REASONS
 * SUMMARY * STATED ABOVE.
 XXXXXXXXXXXX

Type	Reason	Method	System & Component
F-Forced	-Equip Failure	F-Admin	1-Manual Exhibit F & H
S-Sched	-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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MAINE YANKEE X
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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. SEARS
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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MAINE YANKEE X
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: 50-369 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licnsed 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): 1129

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>57,695.0</u>
13. Hours Reactor Critical	<u>693.9</u>	<u>4,286.4</u>	<u>41,150.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>689.7</u>	<u>4,274.2</u>	<u>40,617.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,281,133</u>	<u>14,200,320</u>	<u>119,268,737</u>
18. Gross Elec Ener (MWH)	<u>769,608</u>	<u>4,899,258</u>	<u>41,294,835</u>
19. Net Elec Ener (MWH)	<u>738,602</u>	<u>4,720,842</u>	<u>39,386,340</u>
20. Unit Service Factor	<u>95.8</u>	<u>97.9</u>	<u>70.4</u>
21. Unit Avail Factor	<u>95.6</u>	<u>97.9</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>90.9</u>	<u>95.8</u>	<u>60.5</u>
23. Unit Cap Factor (DER Net)	<u>86.9</u>	<u>91.6</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>4.2</u>	<u>2.1</u>	<u>13.1</u>
25. Forced Outage Hours	<u>30.3</u>	<u>92.8</u>	<u>6,115.5</u>

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

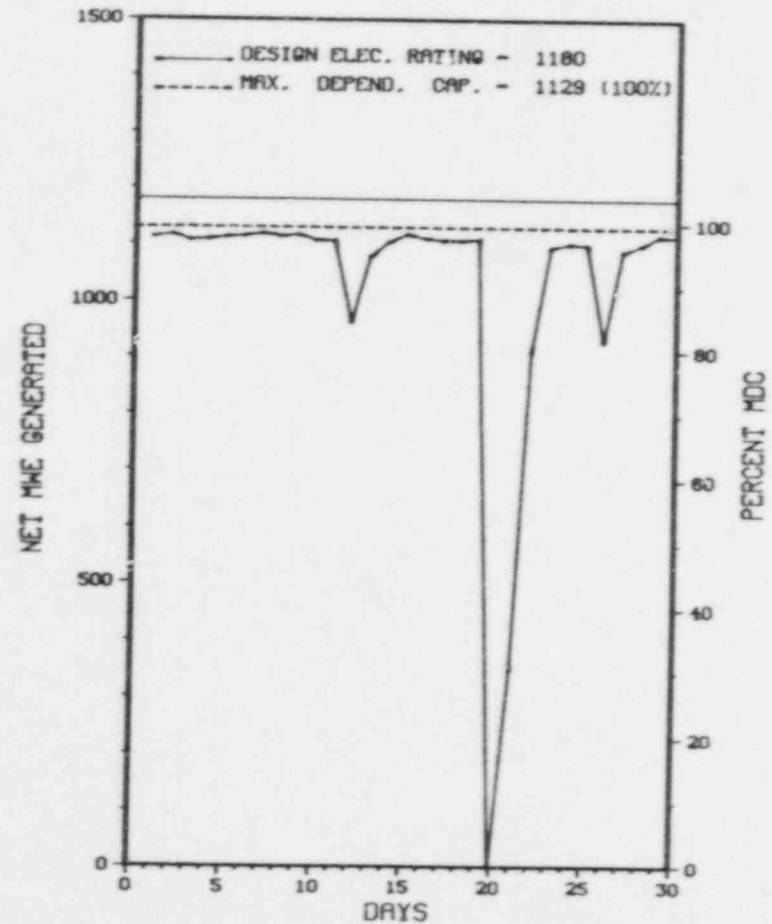
REFUELING - OCTOBER 14, 1988 - 10 WEEK DURATION.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * MCGUIRE 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X MCGUIRE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
21-F	06/12/88	S	0.0	F	5		ZZ	ZZZZZ	DISPATCHER REQUEST.
4	06/20/88	F	30.3	A	3		RB	CONROD	POWER SUPPLY FAILED IN ROD CONTROL.
22-P	06/21/88	F	0.0	A	5		HH	PUMPXX	PROBLEM WITH FEEDWATER PUMP 'A'
23-P	06/22/88	S	0.0	B	5		IE	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
24-P	06/26/88	F	0.0	A	5		EB	VALVEX	FWP RECIRC. VALVES FAILED OPEN AS A RESULT OF LOSING POWER TO A SHARED MOTOR CONTROL CENTER.
25-P	06/26/88	S	0.0	B	5		IE	VALVEX	NUCLEAR INSTRUMENTATION CALIBRATION.

XXXXXXXXXX MCGUIRE 1 INCURRED 5 POWER REDUCTIONS AND 1 FORCED OUTAGE IN
 * SUMMARY * JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXXX

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-G:hcc	(LER) File (NUREG-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MCGUIRE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 3, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 23 - MAY 20 (88-12): THIS ROUTINE INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND FOLLOW-UP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. ONE VIOLATION WAS IDENTIFIED WHICH INCLUDED FOUR EXAMPLES OF INADEQUATE PROCEDURES OR FAILURE TO FOLLOW PROCEDURES DURING AUXILIARY FEEDWATER PUMP TESTING, AUXILIARY FEEDWATER TURBINE OPERABILITY DETERMINATION, OR AUXILIARY FEEDWATER EQUIPMENT RESTORATION. A SECOND VIOLATION INVOLVES THE INADEQUACY OF A TEST PROGRAM TO TEST EQUIPMENT IN THE AS FOUND CONDITION. A THIRD VIOLATION DEALS WITH INOPERABLE FIRE DOORS. A DEVIATION WAS IDENTIFIED WHICH INVOLVED AN OPERABILITY DETERMINATION WHICH WAS MADE BY A STAFF SRO INSTEAD OF A REGULAR SHIFT SRO.

INSPECTION MAY 2-6 (88-13): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE AND AT THE CORPORATE OFFICES IN THE AREAS OF NRC DIAGNOSTIC EVALUATION TEAM REPORT FINDINGS AND ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTOR OBSERVED THAT THE LICENSEE'S PERFORMANCE GROUP WAS RELATIVELY UNRESPONSIVE TO NRC INSPECTOR IDENTIFIED CONCERNS. REPEATED QUESTIONING WAS REQUIRED TO OBTAIN INFORMATION NEEDED TO DETERMINE THAT PROCEDURES AND HARDWARE PERFORMED PROPERLY. ONE VIOLATION WAS IDENTIFIED INVOLVING INADEQUACIES IN THE LICENSEE'S METHODS OF MEASURING STROKE TIMES. TWO NEW UNRESOLVED ITEMS WERE IDENTIFIED BASED ON INFORMATION DESCRIBED IN A NRC DIAGNOSTIC EVALUATION COMPLETED EARLY IN 1988. THE UNRESOLVED ITEMS INVOLVE APPARENT DEFICIENCIES IN THE LICENSEE'S INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES AND THEIR FAILURE TO PROVIDE TESTING FOR MANY SAFETY-RELATED RELIEF VALVES.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN COMPENSATORY MEASURES IN FORCE.

FAILURE TO COMPLY WITH BADGING/ACCESS CONTROL REQUIREMENTS.

CONTRARY TO: TS 6.8.1; APPENDIX A OF RG 1.33, REV. 2, FEBRUARY 1978; TS 4.0.5; ASME BOILER AND PRESSURE VESSEL CODE, 1980 EDITION, SECTION XI; 10 CFR 50, APPENDIX B, CRITERION V; STATION DIRECTIVES 2.B.2, OPERABILITY DETERMINATION, AND 3.1.19, SAFETY TAGS: (1) PROCEDURE PT/1/A/4252/01, AUXILIARY FEEDWATER PUMP NUMBER 1 PERFORMANCE TEST, WAS INADEQUATE IN THAT HORIZONTAL VIBRATION RANGES SPECIFIED DID NOT CORRESPOND TO THOSE REQUIRED BY ASME SECTION XI AND PUMP BASELINE DATA. (2) STATION DIRECTIVE 2.8.2 WAS NOT PROPERLY IMPLEMENTED IN THAT NO TECHNICAL DISCUSSION OF OPERABILITY WAS DOCUMENTED IN THE OPERABILITY DETERMINATION ASSOCIATED WITH PROBLEM INVESTIGATION REPORT (PIR) O-M88-0089. THIS PIR CONCERNED THE OPERABILITY OF THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMPS WITH QUESTIONABLE CONTACT AREA BETWEEN THE EMERGENCY HEAD LEVER AND THE TAPPET NUT. (3) STATION DIRECTIVE 3.1.19 WAS NOT PROPERLY IMPLEMENTED IN THAT THE RESTORATION AND TAG REMOVAL PERFORMED ON MAY 12, 1988, FOR WORK REQUESTS 500184 AND 083804 WAS NOT DONE IN THE SEQUENCE DESIGNATED ON THE REMOVAL AND RESTORATION RECORD SHEET. THIS LED TO AN ESF ACTUATION INVOLVING SWAP OVER OF CA B PUMP SUCTION SUPPLY TO NUCLEAR SERVICE WATER. (4) PROCEDURE PT/1/A/4350-04B, D/G 1B LOAD SEQUENCE TEST, WAS NOT PROPERLY IMPLEMENTED ON MAY 16, 1988 DURING A TEST ON UNIT 1 IN THAT THE REQUIREMENTS OF STEP 12.9 WERE NOT PERFORMED. THIS LED TO AN INADVERTENT ACTUATION OF ESF EQUIPMENT.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, THE TEST PROGRAM ESTABLISHED TO DEMONSTRATE THAT THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMPS WILL PERFORM SATISFACTORY IN SERVICE WAS INADEQUATE. THE PROCEDURE USED TO TEST THE PUMPS DOES NOT PERFORM THE TEST IN THE AS FOUND CONDITION IN THAT THE STEAM LINES TO THE PUMP TURBINE ARE DRAINED OF CONDENSATE PRIOR TO TESTING.
(880: 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: JULY 22, 1988 +

INSPECTION REPORT NO: 50-369/88-22 +

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* MCGUIRE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-009	05/18/88	06/17/88	INADVERTENT UNIT 1 ENGINEERED SAFETY FEATURE ACTIVATION OCCURRED DUE TO PERSONNEL ERROR CAUSED BY DEFICIENT COMMUNICATION.
88-010	06/01/88	07/01/88	UNIT 1 ENTERED TECHNICAL SPECIFICATIONS 3.0.3 WHEN TWO VITAL BATTERY CHARGERS WERE DEENERGIZED WHEN DIESEL GENERATOR 2A FAILED TO START ON BLACKOUT TEST - RELAY MALFUNCTION.

```
=====
```

THIS PAGE INTENTIONALLY LEFT BLANK

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* MCGUIRE 2 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	05/27/88	S	720.0	C	4		RC	FUELXX	END OF CYCLE 4 REFUELING OUTAGE.

XXXXXXXXXXXX MCGUIRE 2 REMAINED SHUTDOWN FOR SCHEDULED REFUELING OUTAGE.
* SUMMARY *
XXXXXXXXXXXX

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 JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....POWER BLDG., BOX 2175
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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 23 - MAY 20 (88-12): THIS ROUTINE INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND FOLLOW-UP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. ONE VIOLATION WAS IDENTIFIED WHICH INCLUDED FOUR EXAMPLES OF INADEQUATE PROCEDURES OR FAILURE TO FOLLOW PROCEDURES DURING AUXILIARY FEEDWATER PUMP TESTING, AUXILIARY FEEDWATER TURBINE OPERABILITY DETERMINATION, OR AUXILIARY FEEDWATER EQUIPMENT RESTORATION. A SECOND VIOLATION INVOLVES THE INADEQUACY OF A TEST PROGRAM TO TEST EQUIPMENT IN THE AS FOUND CONDITION. A THIRD VIOLATION DEALS WITH INOPERABLE FIRE DOORS. A DEVIATION WAS IDENTIFIED WHICH INVOLVED AN OPERABILITY DETERMINATION WHICH WAS MADE BY A STAFF SRO INSTEAD OF A REGULAR SHIFT SRO.

INSPECTION MAY 2-6 (88-13): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE AND AT THE CORPORATE OFFICES IN THE AREAS OF NRC DIAGNOSTIC EVALUATION TEAM REPORT FINDINGS AND ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTOR OBSERVED THAT THE LICENSEE'S PERFORMANCE GROUP WAS RELATIVELY UNRESPONSIVE TO NRC INSPECTOR IDENTIFIED CONCERNS. REPEATED QUESTIONING WAS REQUIRED TO OBTAIN INFORMATION NEEDED TO DETERMINE THAT PROCEDURES AND HARDWARE PERFORMED PROPERLY. ONE VIOLATION WAS IDENTIFIED INVOLVING INADEQUACIES IN THE LICENSEE'S METHODS OF MEASURING STROKE TIMES. TWO NEW UNRESOLVED ITEMS WERE IDENTIFIED BASED ON INFORMATION DESCRIBED IN A NRC DIAGNOSTIC EVALUATION COMPLETED EARLY IN 1988. THE UNRESOLVED ITEMS INVOLVE APPARENT DEFICIENCIES IN THE LICENSEE'S INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES AND THEIR FAILURE TO PROVIDE TESTING FOR MANY SAFETY-RELATED RELIEF VALVES.

1. Docket: 50-245 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. NEWBURGH (203) 447-1791 X4400

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>720.0</u>	<u>4,367.0</u>	<u>154,175.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,337.8</u>	<u>120,664.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,283.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,328.6</u>	<u>117,521.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>277.4</u>
17. Gross Therm Ener (MWH)	<u>1,397,421</u>	<u>8,555,458</u>	<u>218,761,553</u>
18. Gross Elec Ener (MWH)	<u>475,600</u>	<u>2,926,600</u>	<u>73,703,196</u>
19. Net Elec Ener (MWH)	<u>455,933</u>	<u>2,801,412</u>	<u>70,318,873</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.1</u>	<u>76.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.1</u>	<u>76.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>98.1</u>	<u>69.7</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>97.2</u>	<u>69.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.9</u>	<u>10.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>38.4</u>	<u>6,344.9</u>

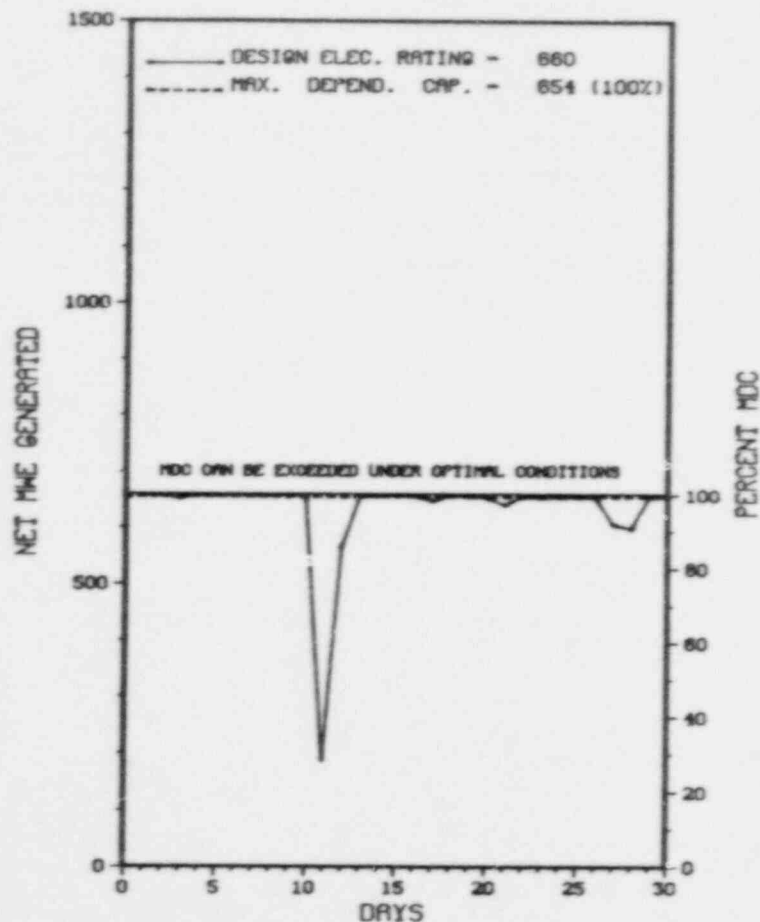
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MILLSTONE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXX
X MILLSTONE 1 X
XXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-03	06/11/88	S	0.0	B	5				POWER REDUCTION TO INSPECT AND REPAIR DRYWELL FANS.

XXXXXXXXXX MILLSTONE 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS
* SUMMARY * STATED ABOVE.
XXXXXXXXXX

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

* MILLSTONE 1 *

FACILITY DATA

Report Period JUN 1988

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 ELCC 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.....W. RAYMOND
LICENSING PROJ MANAGER....M. BOYLE
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE....DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
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):

NO INPUT PROVIDED.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MILLSTONE 1 X
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: 50-336 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. NERON (203) 467-1701 X4417

4. Licensed Thermal Power (MWT): 2730

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

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 894

8. Maximum Dependable Capacity (Net MWe): 863

9. If Changes Occur Above Since Last Report, Give Reasons:
CH IN 687 RESULT OF SECONDARY SIDE EFFICIENCY WK.

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

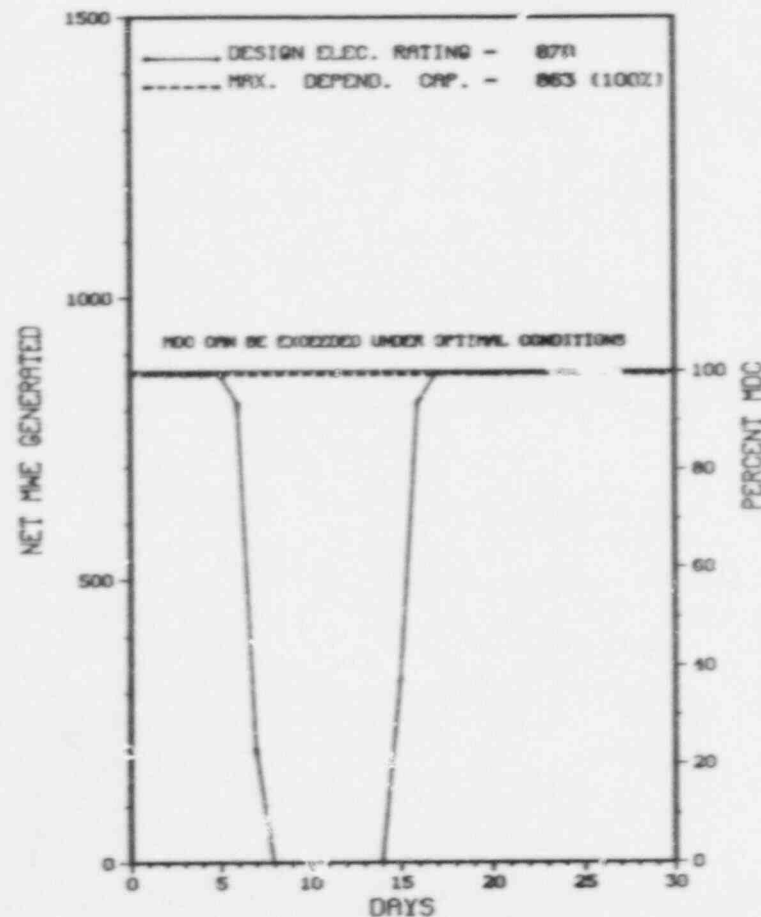
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>109,703.0</u>
13. Hours Reactor Critical	<u>533.2</u>	<u>2,562.0</u>	<u>78,826.0</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>527.0</u>	<u>2,430.5</u>	<u>75,682.2</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,400,702</u>	<u>6,297,275</u>	<u>193,617,936</u>
18. Gross Elec Ener (MWH)	<u>463,678</u>	<u>2,076,461</u>	<u>62,939,034</u>
19. Net Elec Ener (MWH)	<u>445,450</u>	<u>1,985,616</u>	<u>60,361,873</u>
20. Unit Service Factor	<u>73.2</u>	<u>55.7</u>	<u>69.0</u>
21. Unit Avail Factor	<u>73.2</u>	<u>55.7</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>71.7</u>	<u>53.0</u>	<u>64.9*</u>
23. Unit Cap Factor (DER Net)	<u>71.1</u>	<u>52.3</u>	<u>63.9*</u>
24. Unit Forced Outage Rate	<u>26.8</u>	<u>7.4</u>	<u>14.9</u>
25. Forced Outage Hours	<u>193.0</u>	<u>193.9</u>	<u>11,978.4</u>
26. Shutdowns Sched Ovr Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * MILLSTONE 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MILLSTONE 2



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * MTLISTONE 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-03	06/07/88	F	193.0	A	1	88-09	AA	CL	INITIATED REACTOR POWER REDUCTION FROM 100% TO <70% DUE TO DROPPED CEA NO. 23; COMMENCED REACTOR SHUTDOWN FROM 70% POWER WHEN CEA NO. 23 WAS DECLARED INOPERABLE; OVERHEATING OF THE CEDM UPPER GRIPPER COIL DURING THE MONTH OF MAY, 1988, CAUSED THE SUBSEQUENT COIL FAILURE, WHICH RESULTED IN THE DROPPED CEA; PREVIOUS GRIPPER COIL FAILURES (SEE APRIL, 1988 - LER NO. 88-08) REINFORCED THE DECISION TO REPLACE EITHER THE UPPER GRIPPER COIL OR COMPLETE COIL STACK OF ALL CEDM'S ON THE REACTOR VESSEL HEAD, WITH THE EXCEPTION OF THE CEA NO. 14 CEDM, WHICH HAD ITS UPPER GRIPPER COIL REPLACED DURING THE MAY 1988 OUTAGE (SEE MAY, 1988 MONTHLY OPERATING REPORT); REACTOR CRITICALITY WAS ACHIEVED ON 6/15/88; THE UNIT WAS ALSO RETURNED TO SERVICE ON 6/15/88.

XXXXXXXXXXXX MILLSTONE 3 INCURRED 1 FORCED OUTAGE IN JUNE FOR REASONS
 * SUMMARY * STATED ABOVE.
 XXXXXXXXXXXXXXX

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

X MILLSTONE 2 X

FACILITY DATA

Report Period JUN 1988

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.....T. REBLOWSKI
LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-336
LICENSE & DATE ISSUANCE...DPR-65, SEPTEMBER 30, 1975
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
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):

NO INPUT PROVIDED.

1. Docket: 50-423 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: A. FLMS (203) 444-5388

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1253

6. Design Electrical Rating (Net MWe): 1154

7. Maximum Dependable Capacity (Gross MWe): 1197

8. Maximum Dependable Capacity (Net MWe): 1142

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

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

11. Reasons for Restrictions, If Any: _____

 NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>19,199.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,228.0</u>	<u>14,991.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>20.2</u>	<u>246.2</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,036.9</u>	<u>14,627.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,448,484</u>	<u>10,034,050</u>	<u>52,303,481</u>
18. Gross Elec Ener (MWH)	<u>852,404</u>	<u>3,500,404</u>	<u>16,709,674</u>
19. Net Elec Ener (MWH)	<u>818,206</u>	<u>3,327,200</u>	<u>15,931,277</u>
20. Unit Service Factor	<u>100.0</u>	<u>69.5</u>	<u>76.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>69.5</u>	<u>76.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>66.7</u>	<u>72.7</u>
23. Unit Cap Factor (DER Net)	<u>98.5</u>	<u>66.0</u>	<u>71.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.0</u>	<u>9.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>375.7</u>	<u>1,450.2</u>

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

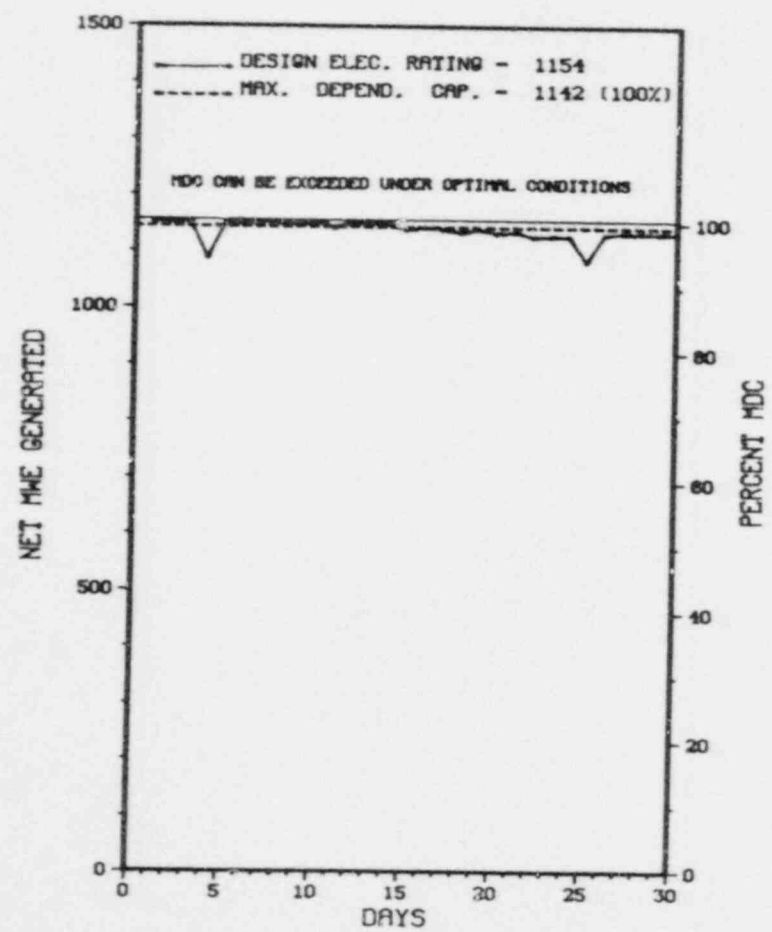
 NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X MILLSTONE 3 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* MILLSTONE 3 *
XX

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

NONE

XXXXXXXXXXXX MILLSTONE 3 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
* SUMMARY * SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* MILLSTONE 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.2 MI WSW OF
NEW LONDON CT.
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 23, 1986
DATE ELEC ENER 1ST GENER...FEBRUARY 12, 1986
DATE COMMERCIAL OPERATE...APRIL 23, 1986
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
WATERFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. BARBER
LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-423
LICENSE & DATE ISSUANCE...NPF-49, JANUARY 31, 1986
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MILLSTONE 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: 50-263 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1670

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

6. Design Electrical Rating (Net MWe): 545

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>4,367.0</u>	<u>149,040.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>116,604.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>114,380.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,185,919</u>	<u>7,243,330</u>	<u>182,921,404</u>
18. Gross Elec Ener (MWH)	<u>393,197</u>	<u>2,442,326</u>	<u>59,322,382</u>
19. Net Elec Ener (MWH)	<u>375,537</u>	<u>2,347,368</u>	<u>56,718,486</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.7</u>
22. Unit Cap Factor (MDC Net)	<u>97.3</u>	<u>100.3</u>	<u>71.0</u>
23. Unit Cap Factor (DER Net)	<u>95.7</u>	<u>98.6</u>	<u>69.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,498.3</u>

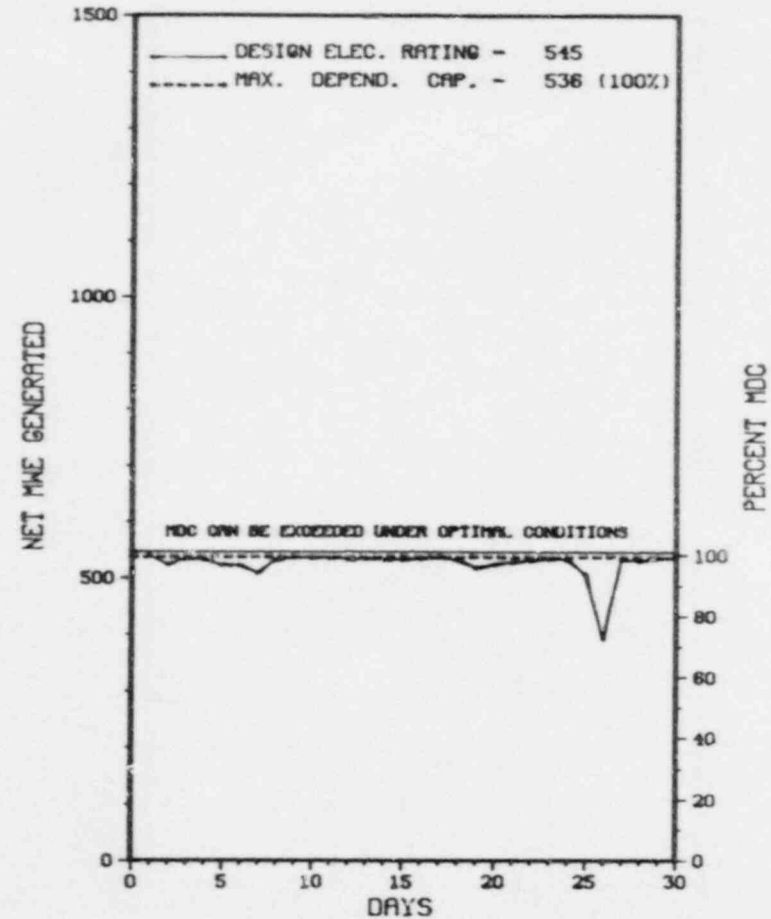
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MONTICELLO X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	06/26/88	S	0.0	B	5		SJ	P	REDUCED POWER TO 45% TO PERFORM MISCELLANEOUS MAINTENANCE (PRIMARILY FEEDWATER PUMP SEALS).

* SUMMARY *

MONTICELLO INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS STATED ABOVE.

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MONTICELLO X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....WRIGHT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...DECEMBER 10, 1970
DATE ELEC ENER 1ST GENER...MARCH 5, 1971
DATE COMMERCIAL OPERATE...JUN 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.....J. STEFANO
DOCKET NUMBER.....50-263
LICENSE & DATE ISSUANCE...DPR-22, JANUARY 9, 1981
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO A DEGRADED VITAL AREA BARRIER.
(8800 3)

FAILURE TO MAINTAIN AN ADEQUATE RESPONSE FORCE. FAILURE TO SUBMIT A REQUIRED REPORT IN A TIMELY MANNER.

FAILURE TO MAINTAIN AN ADEQUATE VITAL AREA BARRIER.

FAILURE TO IMPLEMENT COMPENSATORY MEASURES ON TWO OCCASIONS. A PORTION OF THE ALARM SYSTEM FAILED TO DETECT PROPERLY.

CONTRARY TO TS 3.6.3.1 AND TS 4.6.3.1.1.B, ON SEPTEMBER 15, 1986, UNIT 1 ENTERED MODE 4 WITH NINE CONTAINMENT ISOLATION VALVES, SPECIFIED IN TABLE 3.6-1, THAT WERE NOT STROKE TIME TESTED FOLLOWING MAINTENANCE. THE MAINTENANCE INVOLVED A MODIFICATION TO THE VENT PATHS OF THE SOLENOID VALVES ASSOCIATED WITH THE CONTAINMENT ISOLATION VALVES. THIS MODIFICATION INCREASED THE STROKE TIMES OF SEVERAL OF THE VALVES. THE VALVES WERE NOT STROKE TIME TESTED UNTIL JUNE OF 1987. CONTRARY TO TS 6.4.1, S.D.2.2.2 WAS NOT ADEQUATE TO ASSURE THE CORRECT COMPONENT WAS IDENTIFIED PRIOR TO PERFORMING WORK AS INDICATED BY TWO EXAMPLES - ONE ASSOCIATED

1. Docket: 50-220 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: THOMAS W. ROMAN (315) 347-2422

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>720.0</u>	<u>4,367.0</u>	<u>163,607.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>115,235.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>112,102.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>188,473,049</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>62,473,071</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>60,524,379</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>68.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>100.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>516.0</u>	<u>15,047.9</u>

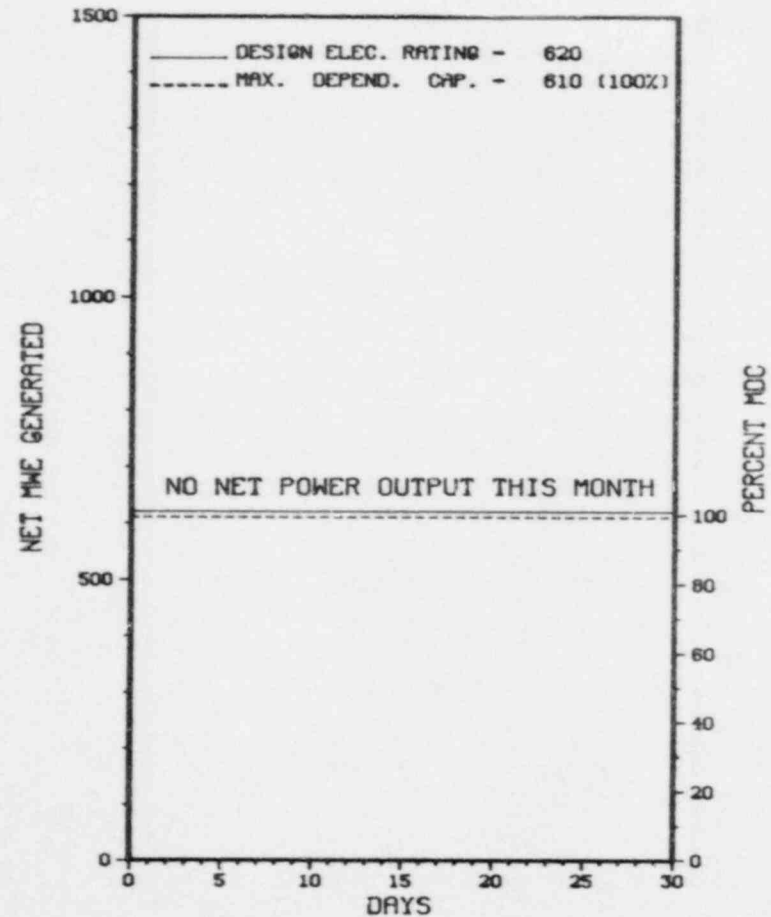
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 08/04/88

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X NINE MILE POINT 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X NINE MILE POINT 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
02	01/22/88	S	720.0	C	4			THE DECISION WAS MADE TO START THE REFUEL OUTAGE SINCE THE PLANT WAS ALREADY SHUTDOWN DUE TO PROBLEMS WITH THE F.W. SYSTEM.

XXXXXXXXXXXX NINE MILE POINT 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED
X SUMMARY X REFUELING OUTAGE.
XXXXXXXXXXXX

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 JUN 1988

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 SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER.....R. BENEDICT
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

NONF

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

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

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-410 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: E. TOMLINSON (315) 349-2761

4. Licensed Thermal Power (MWh): 3323

5. Nameplate Rating (Gross MWe): 1214

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1080

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>2,672.0</u>	<u>2,672.0</u>
13. Hours Reactor Critical	<u>508.3</u>	<u>1,583.4</u>	<u>1,583.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>461.9</u>	<u>1,455.8</u>	<u>1,455.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,367,664</u>	<u>4,556,198</u>	<u>4,556,198</u>
18. Gross Elec Ener (MWH)	<u>452,200</u>	<u>1,440,240</u>	<u>1,440,240</u>
19. Net Elec Ener (MWH)	<u>417,830</u>	<u>1,327,180</u>	<u>1,327,180</u>
20. Unit Service Factor	<u>64.2</u>	<u>54.5</u>	<u>54.5</u>
21. Unit Avail Factor	<u>64.2</u>	<u>54.5</u>	<u>54.5</u>
22. Unit Cap Factor (MDC Net)	<u>53.7</u>	<u>46.0</u>	<u>46.0</u>
23. Unit Cap Factor (DER Net)	<u>53.7</u>	<u>46.0</u>	<u>46.0</u>
24. Unit Forced Outage Rate	<u>35.4</u>	<u>24.4</u>	<u>24.4</u>
25. Forced Outage Hours	<u>252.7</u>	<u>469.7</u>	<u>469.7</u>

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

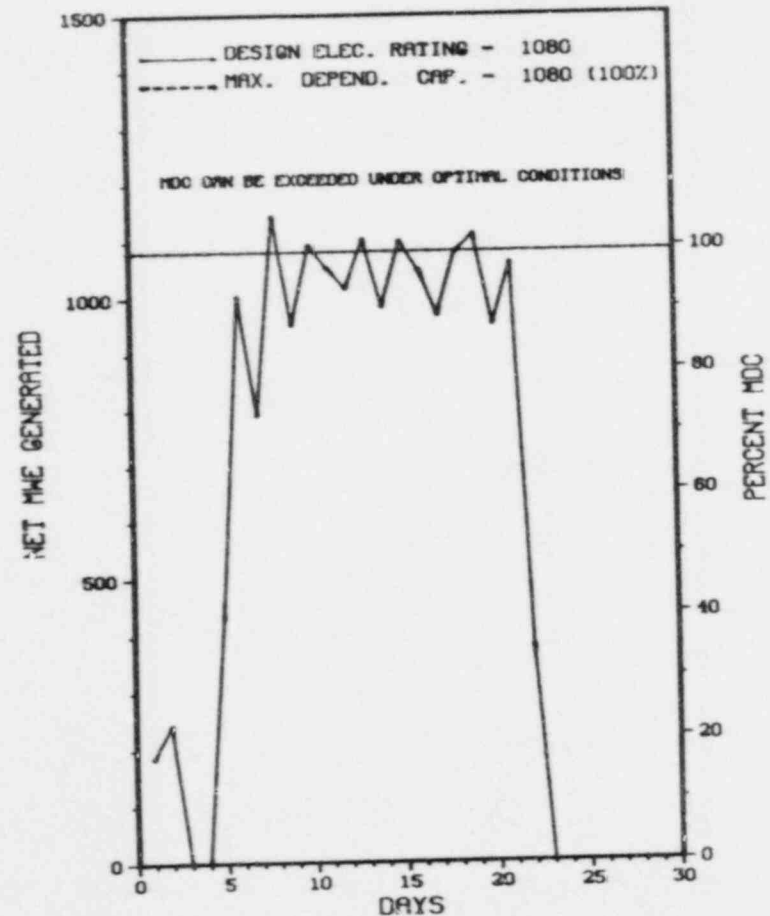
MAINT/SURV - SEPTEMBER 1988-48 DAY DURATION.

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

* NINE MILE POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-6	05/01/88	S	5.4	B	4				CONTINUATION OF PLANNED MAY OUTAGE. EXTENDED DUE TO FAILURE OF SEAL ON 'A' RECIRC PUMP.
88-7	06/02/88	F	47.3	A	3	88-19	SJ	LCV	LV10A FAILED OPEN CAUSING HIGH REACTOR WATER LEVEL SCRAM. CORRECTIVE MAINTENANCE ON LV10A PERFORMED.
88-8	06/22/88	F	205.4	A	3	88-25	SJ	HCU	LV10C FAILED CLOSED CAUSING LOW REACTOR WATER LEVEL SCRAM. CORRECTIVE MAINTENANCE ON LV10C PERFORMED.

 * SUMMARY *

 NINE MILE POINT 2 ENTERED JUNE IN AN OUTAGE. SUBSEQUENTLY INCURRED 2 FORCED OUTAGES FOR REASONS STATED ABOVE DURING RETURN TO POWER.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* NINE MILE POINT 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period JUN 1988

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...MAY 23, 1987
DATE ELEC ENER 1ST GENER...AUGUST 8, 1987
DATE COMMERCIAL OPERATE...MARCH 11, 1988
CONDENSER COOLING METHOD...COOLING TOWER
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.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. COOK
LICENSING PROJ MANAGER.....M. HAUGHEY
DOCKET NUMBER.....50-410
LICENSE & DATE ISSUANCE...NPF-69, JULY 2, 1987
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

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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X NINE MILE POINT 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: 50-358 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: B. GARNER (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2893

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 963

8. Maximum Dependable Capacity (Net MWe): 915

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>88,272.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,641.8</u>	<u>61,073.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>148.6</u>	<u>5,796.6</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,481.5</u>	<u>59,250.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,069,171</u>	<u>9,800,296</u>	<u>155,977,070</u>
18. Gross Elec Ener (MWH)	<u>685,348</u>	<u>3,250,797</u>	<u>51,154,685</u>
19. Net Elec Ener (MWH)	<u>650,134</u>	<u>3,083,999</u>	<u>48,378,593</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.7</u>	<u>67.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.7</u>	<u>67.1</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>77.2</u>	<u>59.9</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>77.9</u>	<u>60.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>18.1</u>	<u>15.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>771.7</u>	<u>10,593.2</u>

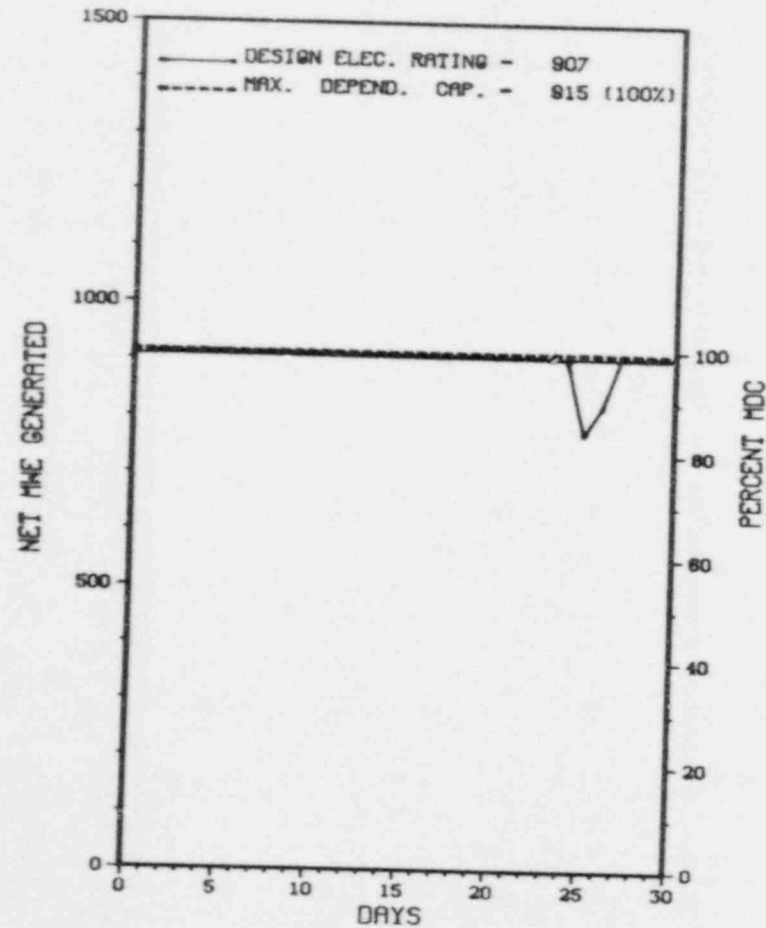
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X NORTH ANNA 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 1 *

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

NONE

* SUMMARY *

NORTH ANNA 1 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
SIGNIFICANT POWER REDUCTIONS.

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 NORTH ANNA 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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

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

INSPECTION SUMMARY

+ INSPECTION APRIL 6 - MAY 13 (88-11): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, UNRESOLVED ITEMS, LICENSEE EVENT REPORT (LER FOLLOWUP), REVIEW OF INSPECTOR FOLLOW-UP ITEMS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, OPERATOR SAFETY VERIFICATION, AND OPERATING REACTOR EVENTS. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSLIP OPERATIONS ON THE FOLLOWING DAYS: APRIL 7-8, 10-15, 18, 27, MAY 2, 4, AND 9-12. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION MAY 24-27 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF REVIEWING LICENSEE ACTIONS TAKEN DUE TO SERVICE WATER SYSTEM FOULING IN THE RECIRCULATION SPRAY HEAT EXCHANGERS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF RECORDS AND REPORTS; PHYSICAL BARRIER - VITAL AREAS; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; SAFEGUARDS CONTINGENCY PLAN; AND PHYSICAL PROTECTION SAFEGUARDS INFORMATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-339 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: B. GARNER (703) 894-5151 X2527

4. Licensed Thermal Power (MWh): 2893

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 963

8. Maximum Dependable Capacity (Net MWe): 915

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>66,143.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,317.9</u>	<u>52,778.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>49.1</u>	<u>4,093.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,291.2</u>	<u>51,719.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,082,591</u>	<u>12,375,094</u>	<u>136,697,848</u>
18. Gross Elec Ener (MWH)	<u>692,471</u>	<u>4,121,526</u>	<u>45,348,707</u>
19. Net Elec Ener (MWH)	<u>657,061</u>	<u>3,916,819</u>	<u>42,975,177</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>78.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.3</u>	<u>78.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.7</u>	<u>98.0</u>	<u>71.0</u>
23. Unit Cap Factor (DER Net)	<u>100.6</u>	<u>98.9</u>	<u>71.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,768.9</u>

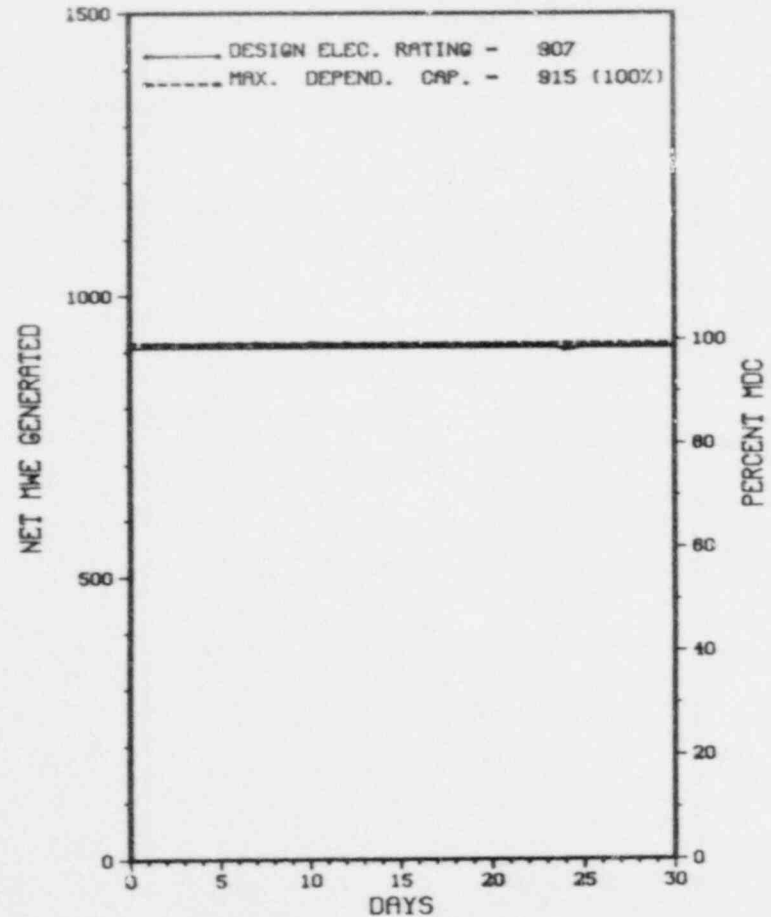
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 11/04/88

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 2 *

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

NONE

* SUMMARY *

NORTH ANNA 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
SIGNIFICANT POWER REDUCTIONS.

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA 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

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

INSPECTION SUMMARY

* INSPECTION APRIL 6 - MAY 13 (88-11): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, UNRESOLVED ITEMS, LICENSEE EVENT REPORT (LER FOLLOWUP), REVIEW OF INSPECTOR FOLLOW-UP ITEMS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, OPERATOR SAFETY VERIFICATION, AND OPERATING REACTOR EVENTS. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS: APRIL 7-8, 10-15, 18, 27, MAY 2, 4, AND 9-12. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION MAY 24-27 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF REVIEWING LICENSEE ACTIONS TAKEN DUE TO SERVICE WATER SYSTEM FOULING IN THE RECIRCULATION SPRAY HEAT EXCHANGERS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF RECORDS AND REPORTS; PHYSICAL BARRIER - VITAL AREAS; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; SAFEGUARDS CONTINGENCY PLAN; AND PHYSICAL PROTECTION SAFEGUARDS INFORMATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD SHUTDOWN FOR RESIN CLEANUP.

LAST IE SITE INSPECTION DATE: JULY 15, 1988 +

INSPECTION REPORT NO: 50-339/88-21 +

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
88-004	05/20/88	06/17/88	BOTH EMERGENCY DIESEL GENERATORS INOPERABLE AT THE SAME TIME.

```

=====

```

1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 846

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

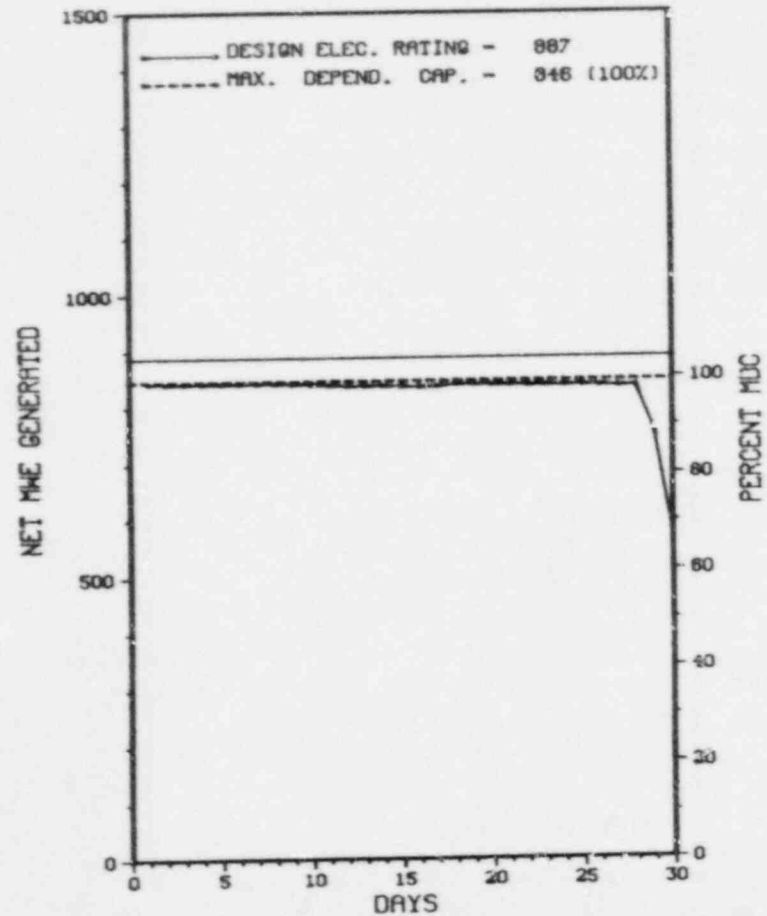
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>131,136.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>97,676.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>94,064.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,825,536</u>	<u>11,029,068</u>	<u>227,514.0</u>
18. Gross Elec Ener (MWH)	<u>623,492</u>	<u>3,802,250</u>	<u>78,907.907</u>
19. Net Elec Ener (MWH)	<u>595,650</u>	<u>3,635,027</u>	<u>74,846.132</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>98.4</u>	<u>66.3%</u>
23. Unit Cap Factor (DER Net)	<u>93.3</u>	<u>93.8</u>	<u>64.3%</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,514.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown: Estimated Startup Date: <u>N/A</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X OCONEE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 OCONEE 1



JUNE 1988

* Item calculated with a Weighted Average

Report Period Jb/J 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X OCONEE 1 X
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7-P	06/29/88	F	0.0	A	5		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' LOW OIL POT LEVEL.
8-P	06/29/88	F	0.0	A	5		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' LOW OIL POT LEVEL.
9-P	06/30/88	F	0.0	A	5		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' OIL ADDITION.

XXXXXXXXXXXX OCONEE 1 INCURRED 3 POWER REDUCTIONS IN JUNE FOR REASONS
 X SUMMARY X STATED ABOVE.
 XXXXXXXXXXXX

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

* OCONEE 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PHR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE...JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. PASTIS
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 APRIL 25 - MAY 5 (88-11): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF REVIEW OF THE ADEQUACY OF EMERGENCY OPERATION PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 19 - MAY 16 (88-12): THIS ROUTINE INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PHYSICAL SECURITY, RADIATION PROTECTION, ENGINEERED SAFEGUARDS FEATURES LINEUPS, NONROUTINE REPORTING, AND B&W OWNERS GROUP PLANT REASSESSMENT PROGRAM. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-19 (88-14): THIS ANNOUNCED INSPECTION WAS CONDUCTED AT THE CORPORATE OFFICES IN THE AREA OF EMERGENCY POWER. PROGRAM AREAS COVERED IN PART WERE ENGINEERING, DESIGN CHANGES, RESOLUTION OF DESIGN PROBLEMS, AND SURVEILLANCE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S PROGRAM FOR RESOLVING DESIGN PROBLEMS WAS SHOWN TO BE EFFECTIVE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWT): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 846

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>121,056.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,800.3</u>	<u>91,497.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,701.2</u>	<u>89,994.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,849,584</u>	<u>6,467,064</u>	<u>214,107,165</u>
18. Gross Elec Ener (MWH)	<u>630,501</u>	<u>2,183,504</u>	<u>72,866,185</u>
19. Net Elec Ener (MWH)	<u>603,812</u>	<u>2,073,127</u>	<u>69,270,445</u>
20. Unit Service Factor	<u>100.0</u>	<u>61.9</u>	<u>74.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>61.9</u>	<u>74.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>56.1</u>	<u>66.4*</u>
23. Unit Cap Factor (DER Net)	<u>94.5</u>	<u>53.5</u>	<u>64.5*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>62.1</u>	<u>11,025.1</u>

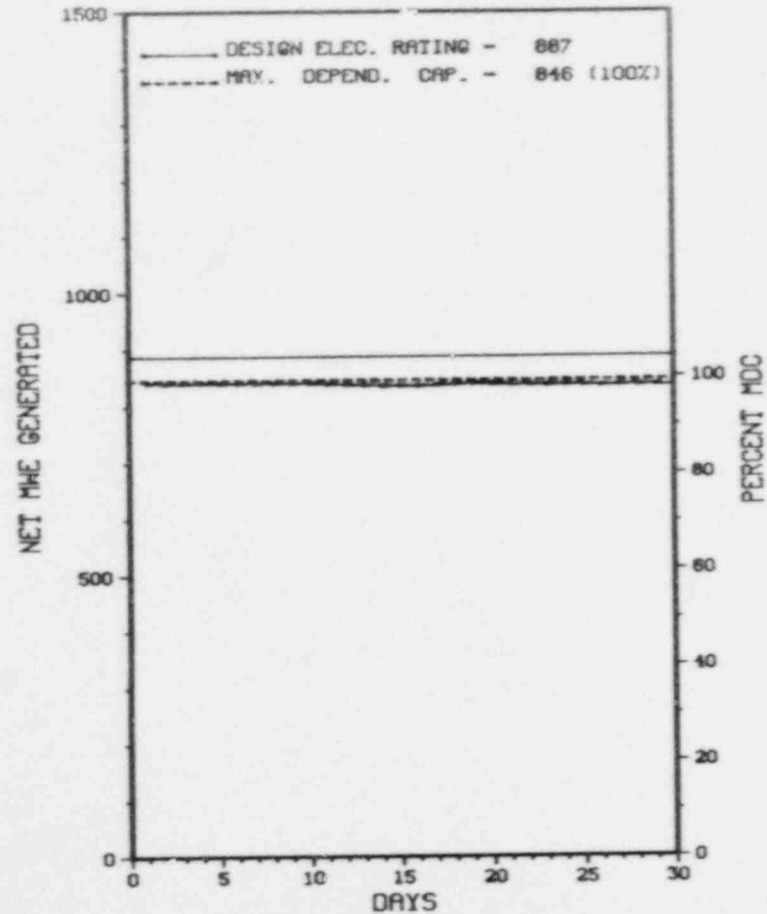
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 4/A

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X OCONEE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* OCONEE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX OCONEE 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
* SUMMARY * SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

* OCONEE 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 9, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. PASTIS
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 APRIL 25 - MAY 5 (88-11): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF REVIEW OF THE ADEQUACY OF EMERGENCY OPERATION PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 19 - MAY 16 (88-12): THIS ROUTINE INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PHYSICAL SECURITY, RADIATION PROTECTION, ENGINEERED SAFEGUARDS FEATURES LINEUPS, NONROUTINE REPORTING, AND B&W OWNERS GROUP PLANT REASSESSMENT PROGRAM. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-19 (88-14): THIS ANNOUNCED INSPECTION WAS CONDUCTED AT THE CORPORATE OFFICES IN THE AREA OF EMERGENCY POWER. PROGRAM AREAS COVERED IN PART WERE ENGINEERING, DESIGN CHANGES, RESOLUTION OF DESIGN PROBLEMS, AND SURVEILLANCE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S PROGRAM FOR RESOLVING DESIGN PROBLEMS WAS SHOWN TO BE EFFECTIVE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X OCONEE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: JULY 1, 1988 +

INSPECTION REPORT NO: 50-270/88-19 +

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: 06/01/88 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWT): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 846

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

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

11. Reasons for Restrictions, If Any: _____
NONE

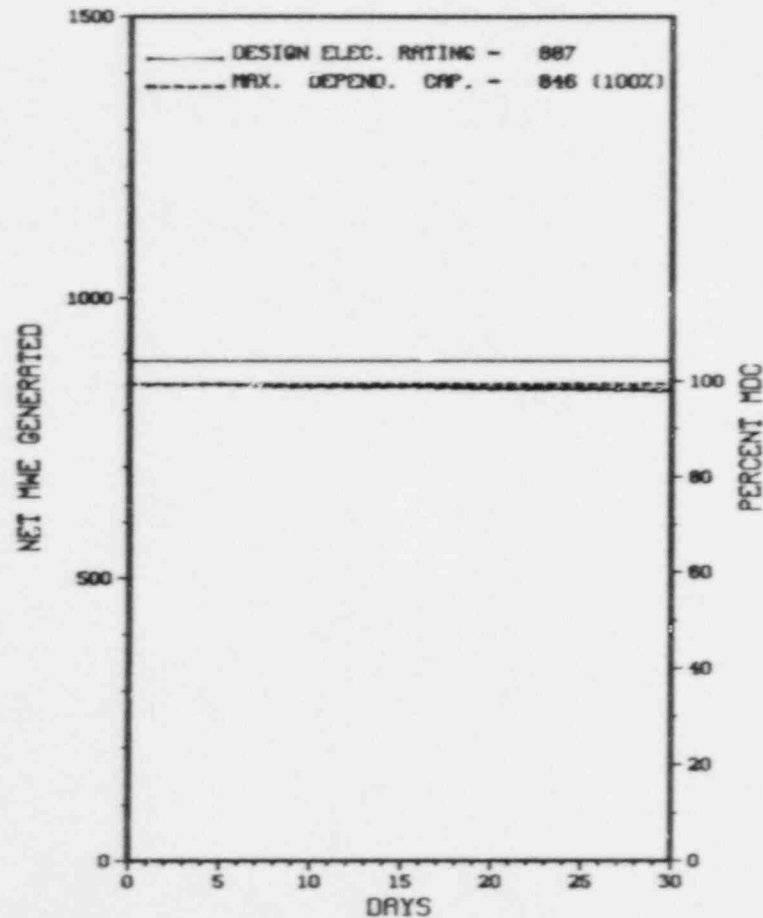
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>118,703.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,850.7</u>	<u>87,199.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,843.4</u>	<u>85,829.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,855,128</u>	<u>9,661,440</u>	<u>210,560,901</u>
18. Gross Elec Ener (MWH)	<u>631,684</u>	<u>3,331,057</u>	<u>72,541,597</u>
19. Net Elec Ener (MWH)	<u>605,185</u>	<u>3,187,233</u>	<u>69,115,863</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.0</u>	<u>72.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.0</u>	<u>72.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.4</u>	<u>86.3</u>	<u>67.6*</u>
23. Unit Cap Factor (DER Net)	<u>94.8</u>	<u>82.3</u>	<u>65.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.0</u>	<u>13.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>523.6</u>	<u>13,148.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - AUGUST 10, 1988 - 7 WEEK DURATION

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

XX
X OCONEE 3 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 3



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
OCONEE 3
XX

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

NONE

XXXXXXXXXXXX
* SUMMARY *
XXXXXXXXXXXX
OCONEE 3 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
SIGNIFICANT POWER REDUCTIONS.

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 (NURFG-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* OCONEE 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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. PASTIS
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 APRIL 25 - MAY 5 (88-11): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF REVIEW OF THE ADEQUACY OF EMERGENCY OPERATION PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 19 - MAY 16 (88-12): THIS ROUTINE INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PHYSICAL SECURITY, RADIATION PROTECTION, ENGINEERED SAFEGUARDS FEATURES LINEUPS, NONROUTINE REPORTING, AND B&W OWNERS GROUP PLANT REASSESSMENT PROGRAM. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 16-19 (88-14): THIS ANNOUNCED INSPECTION WAS CONDUCTED AT THE CORPORATE OFFICES IN THE AREA OF EMERGENCY POWER. PROGRAM AREAS COVERED IN PART WERE ENGINEERING, DESIGN CHANGES, RESOLUTION OF DESIGN PROBLEMS, AND SURVEILLANCE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S PROGRAM FOR RESOLVING DESIGN PROBLEMS WAS SHOWN TO BE EFFECTIVE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period JUN 1988

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

* OCONEE 3 *

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: JULY 1, 1988 +

INSPECTION REPORT NO: 50-287/88-19 +

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
88-002	04/18/88	06/10/88	SHUTDOWN DUE TO OTSG TUBE LEAK.

=====

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: JOHN H. SEDAR JR. (609) 971-4698

4. Licensed Thermal Power (MWT): 1930

5. Nameplate Rating (Gross MWe): 687.5 X 0.8 = 550

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 642

8. Maximum Dependable Capacity (Net MWe): 620

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

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

11. Reasons for Restrictions, If Any: NONE

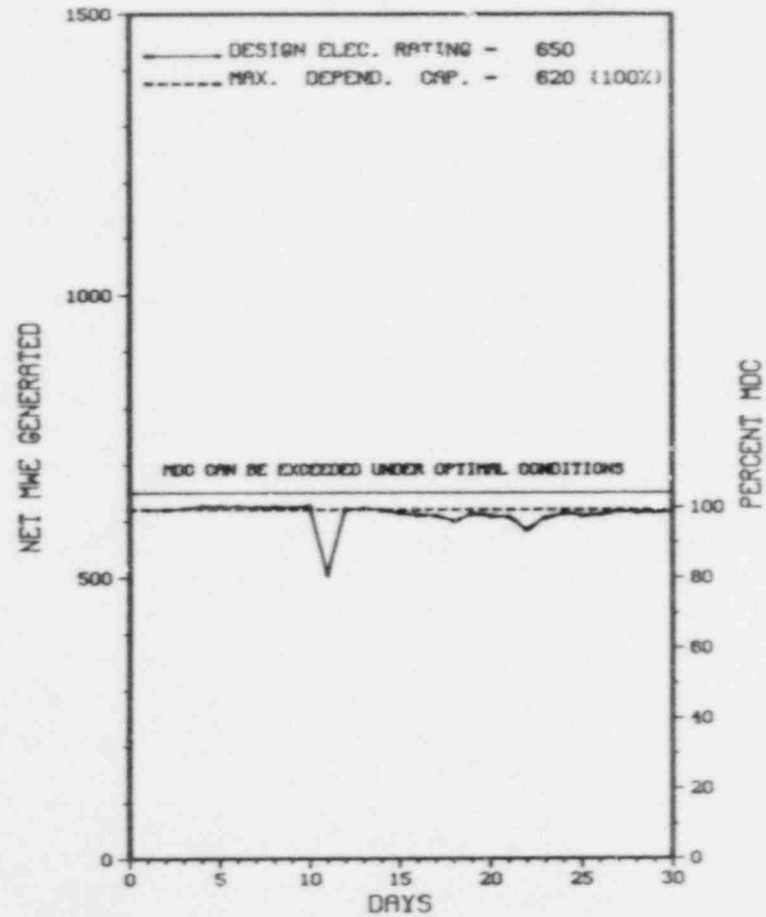
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>162,359.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>105,518.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,208.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>102,158.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,761.4</u>
17. Gross Therm Ener (MWH)	<u>1,376,000</u>	<u>8,300,000</u>	<u>171,064,408</u>
18. Gross Elec Ener (MWH)	<u>457,200</u>	<u>2,831,630</u>	<u>57,749,984</u>
19. Net Elec Ener (MWH)	<u>440,538</u>	<u>2,729,922</u>	<u>55,452,810</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>62.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>64.0</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>100.8</u>	<u>55.1*</u>
23. Unit Cap Factor (DER Net)	<u>94.1</u>	<u>96.2</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>14,446.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 1, 1988 - 90 DAY DURATION.

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

X OYSTER CREEK 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OYSTER CRFCK 1



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
67	06/11/88	S	0.0	H	5			POWER REDUCTION TO 420 MWE (GROSS FOR ROD SWAP).

***** OYSTER CREEK INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS
* 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 OYSTER CREEK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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 25, 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

IF REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. WECHSELBERGR
LICENSING PROJ MANAGER.....A. DROMERICK
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 JUN 1988

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

XX
X OYSTER CREEK 1 X
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.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-255 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. C. PACKARD (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:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>144,926.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,657.2</u>	<u>77,674.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,617.4</u>	<u>73,884.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,818,696</u>	<u>8,640,168</u>	<u>155,828,085</u>
18. Gross Elec Ener (MWH)	<u>577,400</u>	<u>2,777,265</u>	<u>48,687,785</u>
19. Net Elec Ener (MWH)	<u>548,539</u>	<u>2,632,010</u>	<u>45,849,044</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.8</u>	<u>51.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.8</u>	<u>51.0</u>
22. Unit Cap Factor (MDC Net)	<u>104.4</u>	<u>82.6</u>	<u>43.3</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>74.9</u>	<u>39.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.2</u>	<u>35.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>749.6</u>	<u>26,009.1</u>

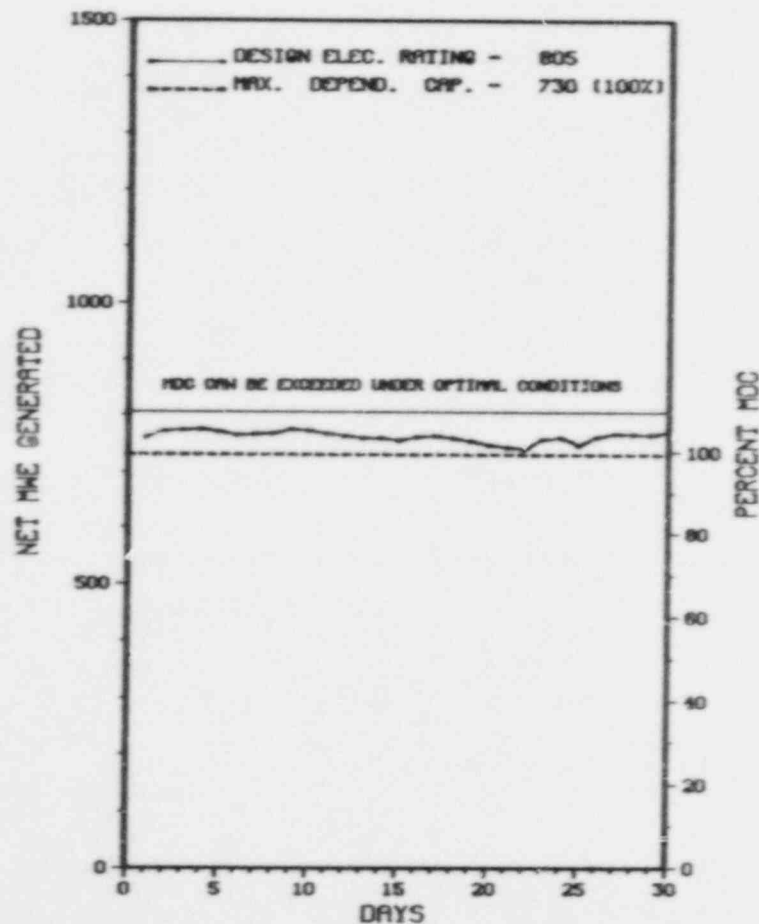
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, SEPTEMBER 9, 1988, 86 DAY DURATION

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

XX
X PALISADES X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PALISADES X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX PALISADES OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
X SUMMARY X SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

* PALISADES *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....VANBUREN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 24, 1971
DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971
DATE COMMERCIAL OPERATE...DECEMBER 31, 1971
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255
LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972
PUBLIC DOCUMENT ROOM.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN 49423

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

INSPECTION SUMMARY

INSPECTION ON APRIL 5 THROUGH MAY 2 (88010): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS AND REGION III STAFF OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; ENGINEERED SAFETY SYSTEM WALKDOWN; LICENSEE EVENT REPORTS; BULLETINS; 10 CFR 21 REPORTS; AND ALLEGATIONS. OF THE AREAS INSPECTED, SIX LICENSEE IDENTIFIED VIOLATIONS AND NO DEVIATIONS WERE IDENTIFIED. TWO LICENSEE EVENT REPORTS DID NOT ADEQUATELY DESCRIBE THE IDENTIFIED EVENTS AND ONE DID NOT IDENTIFY THE CAUSE AND APPROPRIATE CORRECTIVE ACTIONS.

INSPECTION ON APRIL 25-29 AND MAY 2-5 (88011): SPECIAL, ANNOUNCED INSPECTION OF THE PROGRESS AND RESULTS OF THE LICENSEE'S CONFIGURATION CONTROL PROJECT AND ITS IMPACT ON THE IMPLEMENTATION OF DESIGN CHANGES, MODIFICATIONS, AND THE VERIFICATION OF AS-BUILT INFORMATION/RECORDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION.

INSPECTION ON MAY 3 THROUGH JUNE 1 (88014): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS AND REGION III STAFF OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; BULLETINS; INFORMATION NOTICES; LICENSEE EVENT REPORTS; AND 10 CFR 21 REPORTS. OF THE AREAS INSPECTED ONE VIOLATION AND NO DEVIATIONS WERE IDENTIFIED. A CONTINUING WEAKNESS IN THE AREA OF CORRECTIVE ACTIONS IS AN UNRESOLVED ITEM. AN UNCITED VIOLATION WHERE CREDIT IS GIVEN FOR AGGRESSIVE MANAGEMENT OVERSIGHT IN THE AREA OF SURVEILLANCE ADMINISTRATION. A NO RESPONSE VIOLATION WAS IDENTIFIED CONCERNING IMPROPER 10 CFR 21 REPORTING.

INSPECTION ON MAY 31 AND JUNE 1-2 AND TELEPHONE DISCUSSIONS ON JUNE 3, 6, 13 AND 16 (88015): ROUTINE, ANNOUNCED INSPECTION OF THE CHEMISTRY PROGRAM, INCLUDING (1) PROCEDURES, ORGANIZATION, AND TRAINING (IP 83722, 83723); (2) REACTOR SYSTEMS WATER QUALITY

INSPECTION SUMMARY

CONTROL PROGRAMS (IP 79701); (3) QUALITY ASSURANCE/QUALITY CONTROL PROGRAM IN THE LABORATORY (IP 79701); AND (4) NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS (IP 79701). ALSO REVIEWED PAST OPEN ITEMS. THE CHEMISTRY DEPARTMENT WAS RECENTLY REORGANIZED AND NEW MANAGERS APPOINTED WHO APPEAR TO BE QUALIFIED FOR THEIR POSITIONS. THE LICENSEE HAS AN EXTENSIVE WATER QUALITY CONTROL PROGRAM, INCLUDING THE USE OF BORON ADDITION TO THE SECONDARY SYSTEM. THE NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS RESULTS DEMONSTRATED SOME WEAKNESSES IN WITH THE CHEMICAL MEASUREMENTS QA/QC PROGRAM. LICENSEE REPRESENTATIVES AGREED TO CORRECT THESE PROBLEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 21.21 REQUIRES NOTIFICATION OF THE NRC (REGION OR HQ) WITHIN TWO DAYS OF RECEIPT OF INFORMATION REASONABLY INDICATING THAT A DEFECT OR FAILURE TO COMPLY EXISTS, AND THAT THE INITIAL NOTIFICATION BE FOLLOWED UP IN WRITING WITHIN FIVE DAYS. CONTRARY TO THE ABOVE, THE LICENSEE DETERMINED ON MAY 13, 1988 THAT A REPORTABLE FAILURE CONCERNING ITE K 225 480V K-LINE CIRCUIT BREAKERS HAD OCCURRED AND ASIDE FROM NOTIFYING THE RESIDENT INSPECTOR, NO TELEPHONE NOTIFICATIONS TO THE NRC OCCURRED, AND THE FIVE DAY LETTER WAS NOT SUBMITTED UNTIL MAY 20, 1988.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

REFUELING OUTAGE PLANNED FOR 9/6/88

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATED AT 100% ENTIRE MONTH.

LAST IS SITE INSPECTION DATE: 06/02/88

100% REPORT NO: 88015

Report Period JUN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PALISADES X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-Pr	051288	061308	DATA ENTRY ERROR RESULTS IN FAILURE TO COMPLETE REQUIRED CONTAINMENT LEAK RATE TEST
88-09	051688	061588	FAILURE TO MAINTAIN CONTINUOUS FIRE WATCH AS REQUIRED BY TECHNICAL SPECIFICATIONS
88-10	060988	071188	DISCREPANCY IN FSAR SECTION 14.22 DOSE CONSEQUENCES

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-528 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. L. HULL (602) 393-2679

4. Licensed Thermal Power (Mwt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,368.0</u>	<u>21,240.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,578.8</u>	<u>12,556.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,497.2</u>	<u>12,214.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,698,106</u>	<u>9,037,235</u>	<u>44,070,072</u>
18. Gross Elec Ener (MWH)	<u>940,500</u>	<u>3,156,700</u>	<u>15,300,000</u>
19. Net Elec Ener (MWH)	<u>891,364</u>	<u>2,961,700</u>	<u>14,289,814</u>
20. Unit Service Factor	<u>100.0</u>	<u>57.2</u>	<u>57.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>57.2</u>	<u>57.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>55.5</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>53.4</u>	<u>53.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>38.8</u>	<u>32.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,586.3</u>	<u>5,858.0</u>

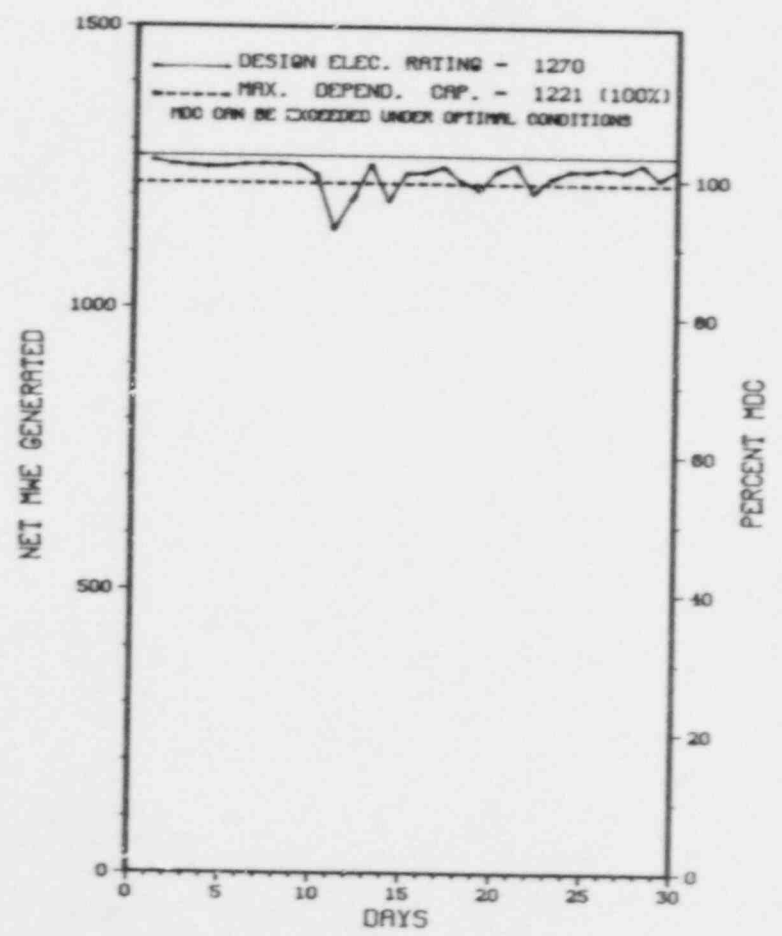
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PALO VERDE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PALO VERDE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX PALO VERDE 1 INCURRED NO OUTAGES OR SIGNIFICANT POWER
* SUMMARY *
XXXXXXXXXXXX REDUCTIONS IN JUNE.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PALO VERDE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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...JANUARY 28, 1986
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
TL LINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....T. POLICH
LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-523
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

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

INSPECTION SUMMARY

+ INSPECTION ON MAY 16 - 27, 1988 (REPORT NO. 50-528/88-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ONSITE FOLLOWUP OF REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION AND MANAGEMENT; EXTERNAL AND INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL; CONTAMINATION AND SURVEYS; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES; FACILITY TOURS; REVIEW OF LICENSEE REPORTS; IN-OFFICE REVIEW OF NONROUTINE EVENTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN ONE AREA A VIOLATION OF 10 CFR 20.201 WAS IDENTIFIED, AND IN A SECOND AREA A VIOLATION OF DOT REGULATIONS 49 CFR 173.425 AND 173.448 WAS IDENTIFIED. IN ADDITION, TWO UNRESOLVED ITEMS RELATED TO AN EXPOSURE IN EXCESS OF THE LIMITS OF 10 CFR 20.101 AND FAILURE TO PERFORM SURVEYS IN ACCORDANCE WITH 10 CFR 20.201 WERE IDENTIFIED.

+ INSPECTION APRIL 17 - MAY 21, 1988 (REPORT NO. 50-528/88-14) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: PREVIOUSLY IDENTIFIED ITEMS; REVIEW OF PLANT ACTIVITIES; AREAS OBSERVED ON PLANT TOURS; OPERATING LOGS AND RECORDS, MONITORING INSTRUMENTATION, SHIFT MANNING, EQUIPMENT LINEUPS, EQUIPMENT TAGGING, GENERAL PLANT EQUIPMENT CONDITIONS, FIRE PROTECTION, PLANT CHEMISTRY, SECURITY, PLANT HOUSEKEEPING RADIATION PROTECTION CONTROLS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; LOAD REJECTION AND RESULTANT REACTOR TRIP; FORCED OUTAGE DUE TO REACTOR COOLANT PUMP OIL LEAK; REACTOR TRIP DURING SURVEILLANCE TEST; EARLY CRITICALITY;

INSPECTION SUMMARY

CONTROL ROOM OBSERVATION OF CRITICALITY; PLANT MODIFICATIONS; MOMENTARY LOSS OF SHUTDOWN COOLING; BENT CONTROL ELEMENT ASSEMBLY #89 EXTENSION SHAFT; REVIEW OF STARTUP TEST RESULTS; FOLLOW-UP OF LICENSEE EVENT REPORT; REVIEW OF PERIODIC AND SPECIAL REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 4 - MAY 2, 1988 (REPORT NO. 50-528/88-15) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL; DETECTION AIDS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; PHYSICAL PROTECTION SAFEGUARDS INFORMATION AND FOLLOW-UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS FOLLOWS: PROTECTED AREA PORTALS WERE NOT ALARMED AND MONITORED AS REQUIRED.

+ INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-528/88-16) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE. THE EXERCISE WAS UNANNOUNCED AND INVOLVED ONLY SITE PARTICIPATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-528/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-528/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 6 - 24, 1988 (REPORT NO. 50-528/88-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2, 1988 (REPORT NO. 50-528/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-528/88-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE UNIT AUXILIARY TRANSFORMER FAILED ON JULY 6, 1988 RESULTING IN A FIRE AND LOSS OF OFFSITE POWER TO THE NON-VITAL ELECTRICAL BUSES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period JUN 1988

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

* PALO VERDE 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

+ MR. DON KARNER RELIEVES MR. ED VAN BRUNT AS EXECUTIVE VP ON AUGUST 1, 1988.

PLANT STATUS:

+ IN MODE 4 COOLING DOWN TO MODE 5 TO REPAIR DAMAGE CAUSED BY THE AUXILIARY TRANSFORMER FIRE.

LAST IE SITE INSPECTION DATE: 05/22 - 07/04+

INSPECTION REPORT NO: 50-528/88-18+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11-10	04-19-88	05-18-88	RX TRIP OPERATOR INADVERTENTLY OPENED
88-12-10	05-30-88	05-31-88	SURV LATE PROCEDURE ERROR
88-13-10	03-25-88	06-03-88	AEM MTR DRIVEN PUMP DEGRADATION

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-529 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. L. MULL (60,) 393-2679

4. Licensed Thermal Power (MWT): 3800

5. Nameplate Rating (Gross MWe): 1433

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,368.0</u>	<u>15,624.0</u>
13. Hours Reactor Critical	<u>310.6</u>	<u>1,512.6</u>	<u>10,787.7</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>196.0</u>	<u>1,398.0</u>	<u>10,524.2</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>510,519</u>	<u>5,019,119</u>	<u>38,226,286</u>
18. Gross Elec Ener (MWH)	<u>163,600</u>	<u>1,751,700</u>	<u>13,412,970</u>
19. Net Elec Ener (MWH)	<u>134,570</u>	<u>1,622,345</u>	<u>12,559,227</u>
20. Unit Service Factor	<u>27.2</u>	<u>32.0</u>	<u>67.4</u>
21. Unit Avail Factor	<u>27.2</u>	<u>32.0</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>15.3</u>	<u>30.4</u>	<u>65.8</u>
23. Unit Cap Factor (DER Net)	<u>14.7</u>	<u>29.2</u>	<u>63.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>637.1</u>

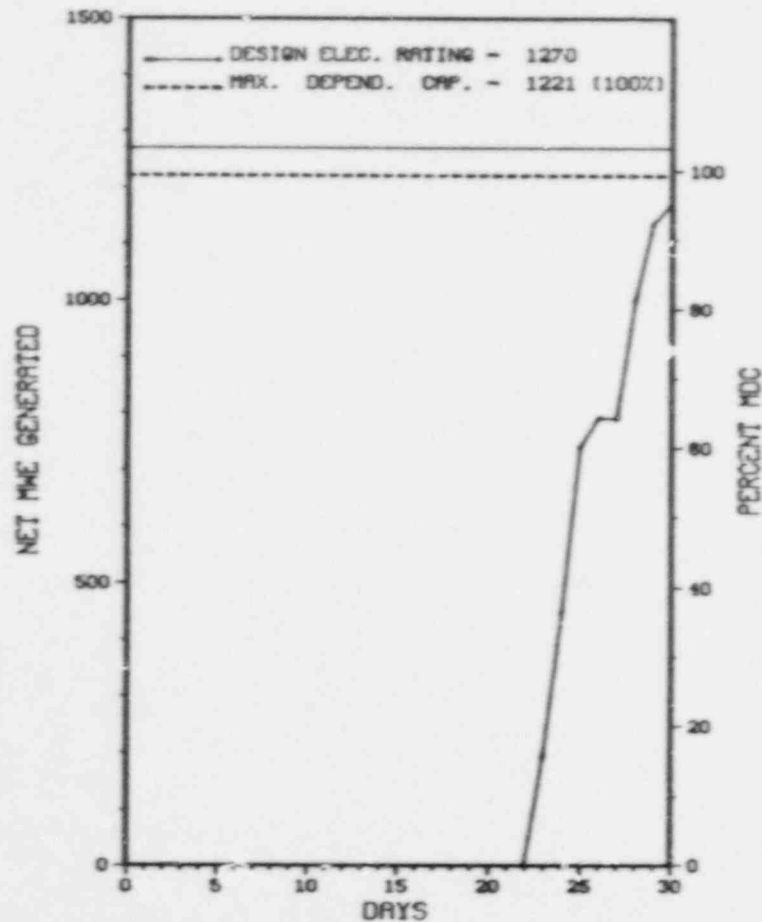
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
X PALO VERDE 2 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PALO VERDE 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/20/88	S	524.0	C	4	N/AP		N/AP	COMPLETION OF THE 1ST REFUELING OUTAGE.

XXXXXXXXXXXX PALO VERDE 2 COMPLETED SCHEDULED REFUELING OUTAGE AND
 X SUMMARY X RETURNED TO POWER IN JUNE.
 XXXXXXXXXXXX

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

* PALO VERDE 2 *

FACILITY DATA

Report Period JUN 1988

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...APRIL 18, 1986
DATE ELEC ENER 1ST GENER...MAY 20, 1986
DATE COMMERCIAL OPERATE...SEPTEMBER 19, 1986
CONDENSER COOLING METHOD...COOLING TOWERS
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.....T. POLICH
LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-529
LICENSE & DATE ISSUANCE...NPF-51, APRIL 24, 1986
PUBLIC DOCUMENT ROOM.....MS STFFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIX, ARIZONA 85004

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

INSPECTION SUMMARY

+ INSPECTION ON MAY 16 - 27, 1988 (REPORT NO. 50-529/88-14) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ONSITE FOLLOWUP OF REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION AND MANAGEMENT; EXTERNAL AND INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL; CONTAMINATION AND SURVEYS; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES; FACILITY TOURS; REVIEW OF LICENSEE REPORTS; IN-OFFICE REVIEW OF NONROUTINE EVENTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN ONE AREA A VIOLATION OF 10 CFR 20.201 WAS IDENTIFIED, AND IN A SECOND A VIOLATION OF DOT REGULATIONS 49 CFR 173.425 AND 173.448 WAS IDENTIFIED. IN ADDITION TWO UNRESOLVED ITEMS RELATED TO EXPOSURE IN EXCESS OF THE LIMITS OF 10 CFR 20.101 AND FAILURE TO PERFORM SURVEYS IN ACCORDANCE WITH 10 CFR 20.201 WERE IDENTIFIED.

+ INSPECTION APRIL 17 - MAY 21, 1988 (REPORT NO. 50-529/88-15) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: PREVIOUSLY IDENTIFIED ITEMS; REVIEW OF PLANT ACTIVITIES; AREAS OBSERVED ON PLANT TOURS; OPERATING LOGS AND RECORDS, MONITORING INSTRUMENTATION, SHIFT MANNING, EQUIPMENT LINEUPS, EQUIPMENT TAGGING, GENERAL PLANT EQUIPMENT CONDITIONS, FIRE PROTECTION, PLANT CHEMISTRY, SECURITY, PLANT HOUSEKEEPING RADIATION PROTECTION CONTROLS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; LOAD REJECTION AND RESULTANT REACTOR TRIP; FORCED OUTAGE DUE TO REACTOR COOLANT PUMP OIL LEAK; REACTOR TRIP DURING SURVEILLANCE TEST; EARLY CRITICALITY;

INSPECTION SUMMARY

CONTROL ROOM OBSERVATION OF CRITICALITY; PLANT MODIFICATIONS; MONITARY LOSS OF SHUTDOWN COOLING; BENT CONTROL ELEMENT ASSEMBLY 889 EXTENSION SHAFT; REVIEW OF STARTUP TEST RESULTS; FOLLOW-UP OF W/CENSEE EVENT REPORT; REVIEW OF PERIODIC AND SPECIAL REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 4 - MAY 2, 1988 (REPORT NO. 50-529/88-16) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL; DETECTION AIDS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; PHYSICAL PROTECTION SAFEGUARDS INFORMATION AND FOLLOW-UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-529/88-17) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE. THE EXERCISE WAS UNANNOUNCED AND INVOLVED ONLY SITE PARTICIPATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 23 - JUNE 10, 1988 (REPORT NO. 50-529/88-18) AREAS INSPECTED: A ROUTINE, ANNOUNCED INSPECTION OF UNIT 2 ACTIVITIES RELATING TO A "AS LEFT" TYPE A CONTAINMENT INTEGRATED LEAK RATE TEST (ILRT). THE ILRT INSPECTION INCLUDED REVIEW OF PROCEDURES AND RECORDS, INTERVIEWS WITH PERSONNEL, WITNESSING PORTIONS OF THE ILRT, INSPECTION OF THE CONTAINMENT BUILDING, ASSOCIATED PENETRATIONS AND PIPING SYSTEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-529/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-529/88-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2, 1988 (REPORT NO. 50-529/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-529/88-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

* PALO VERDE 2 *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

+ NONE

PLANT STATUS:

+ THE UNIT IS PRESENTLY AT FULL POWER.

LAST IE SITE INSPECTION DATE: 05/22 -07/04/88+

INSPECTION REPORT NO: 50-529/88-19+

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
88-10-10	04-15-88	05-16-88	SURV INTERVAL EXCEEDED FOR PLANT VENT MONITOR

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-530 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J.M. COLVILLE 602-393-2679

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,200.0</u>	<u>4,200.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,200.0</u>	<u>4,200.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,200.0</u>	<u>4,200.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,659,611</u>	<u>15,605,176</u>	<u>15,605,176</u>
18. Gross Elec Ener (MWH)	<u>934,800</u>	<u>5,504,000</u>	<u>5,504,000</u>
19. Net Elec Ener (MWh)	<u>881,799</u>	<u>5,199,914</u>	<u>5,199,914</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.3</u>	<u>101.4</u>	<u>101.4</u>
23. Unit Cap Factor (DER Net)	<u>96.4</u>	<u>97.5</u>	<u>97.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>.0</u>

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

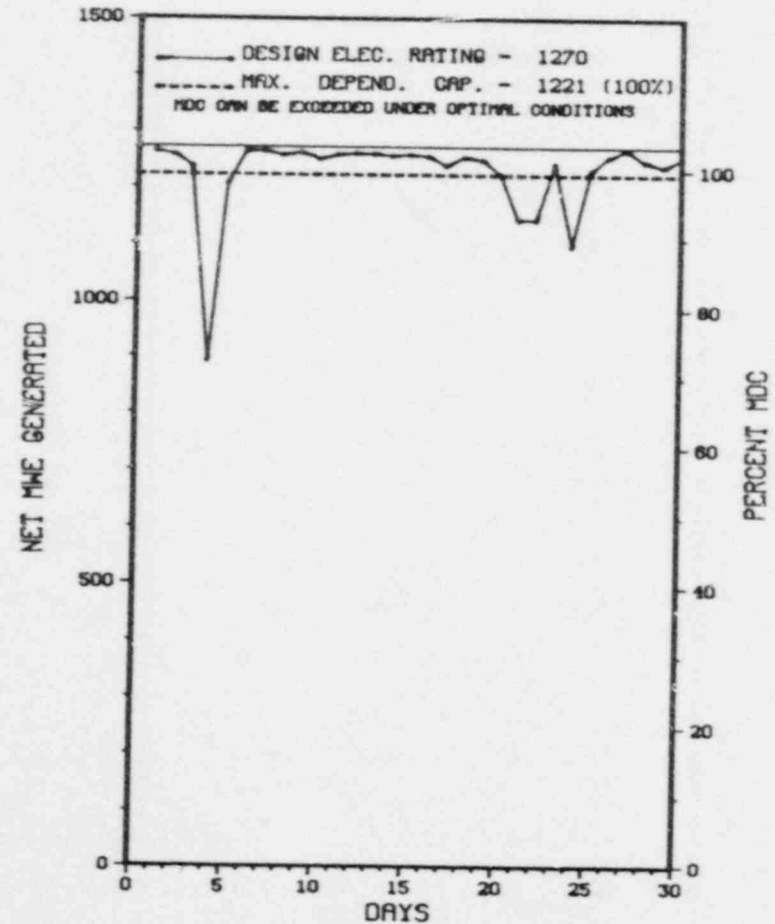
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PALO VERDE 3 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * PALO VERDE 3 *
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	06/04/88	S	0.0	B	5				POWER REDUCTION TO 65% FOR MAINTENANCE OF FEEDWATER PUMP TURBINE 'A'.
5	06/24/88	F	0.0	A	5	3-88-006		N/AV	COMMENCED SHUTDOWN TO MODE 3 IN ACCORDANCE WITH T.S. 3.0.3 WHEN THE PLANT ENTERED A CONDITION NOT COVERED BY T.S. 3.1.3.2 REGARDING THE REQUIRED NUMBER OF OPERABLE CONTROL ELEMENT ASSEMBLY POSITION INDICATOR CHANNELS. THE POWER REDUCTION WAS STOPPED AT 75% WHEN BOTH CONTROL ELEMENT ASSEMBLY CALCULATORS WERE RESTORED TO OPERABILITY.

XXXXXXXXXXXX PALO VERDE 3 INCURRED 2 POWER REDUCTIONS IN JUNE FOR REASONS
 * SUMMARY *
 STATED ABOVE.
 XXXXXXXXXXXX

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 3 *

FACILITY DATA

Report Period JUN 1988

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...OCTOBER 25, 1987
DATE ELEC ENER 1ST GENER...NOVEMBER 28, 1987
DATE COMMERCIAL OPERATE...JANUARY 8, 1988
CONDENSER COOLING METHOD...COOLING TOWERS
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.....T. POLICH
LICENSING PROJ MANAGER....M. DAVIS
DOCKET NUMBER.....50-530
LICENSE & DATE ISSUANCE...NPF-74, NOVEMBER 25, 1987
PUBLIC DOCUMENT ROOM.....MS STEFANIE MGRITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST McDOWELL ROAD
PHOENIX, ARIZONA 85004

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

INSPECTION SUMMARY

+ INSPECTION ON MAY 16 - 27, 1988 (REPORT NO. 50-530/88-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ONSITE FOLLOWUP OF REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION AND MANAGEMENT; EXTERNAL AND INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL; CONTAMINATION AND SURVEYS; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES; FACILITY TOURS; REVIEW OF LICENSEE REPORTS; IN OFFICE REVIEW OF NONROUTINE EVENTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 17 - MAY 21, 1988 (REPORT NO. 50-530/88-14) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: PREVIOUSLY IDENTIFIED ITEMS; REVIEW OF PLANT ACTIVITIES; AREAS OBSERVED ON PLANT TOURS; OPERATING LOGS AND RECORDS, MONITORING INSTRUMENTATION, SHIFT MANNING, EQUIPMENT LINEUPS, EQUIPMENT TAGGING, GENERAL PLANT EQUIPMENT CONDITIONS, FIRE PROTECTION, PLANT CHEMISTRY, SECURITY, PLANT HOUSEKEEPING RADIATION PROTECTION CONTROLS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; LOAD REJECTION AND RESULTANT REACTOR TRIP; FORCED OUTAGE DUE TO REACTOR COOLANT PUMP OIL LEAK; REACTOR TRIP DURING SURVEILLANCE TEST; EARLY CRITICALITY; CONTROL ROOM OBSERVATION OF CRITICALITY; PLANT MODIFICATIONS; MOMENTARY LOSS OF SHUTDOWN COOLING; BENT CONTROL ELEMENT ASSEMBLY #39 EXTENSION SHAFT; REVIEW OF STARTUP TEST RESULTS; FOLLOW-UP OF LICENSEE EVENT REPORT; REVIEW OF PERIODIC AND SPECIAL REPORTS.

INSPECTION SUMMARY

DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 4 - MAY 2, 1988 (REPORT NO. 50-530/88-15) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL; DETECTION AIDS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; PHYSICAL PROTECTION SAFEGUARDS INFORMATION AND FOLLOW-UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-530/88-16) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE. THE EXERCISE WAS UNANNOUNCED AND INVOLVED ONLY SITE PARTICIPATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-530/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-530/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2, 1988 (REPORT NO. 50-530/88-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-530/88-21) 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:

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* PALO VERDE 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

+ THE UNIT IS AT FULL POWER

LAST IE SITE INSPECTION DATE: 05/22 - 07/04/88+

INSPECTION REPORT NO: 50-530/88-18+

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

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

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: L. L. MIDDLETON (215) 841-6374

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:
NRC ORDER OF 3/31/87

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>122,639.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>74,196.2</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>71,866.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>212,810,745</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>70,019,230</u>
19. Net Elec Ener (MWH)	<u>-3,069</u>	<u>-23,235</u>	<u>67,017,881</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>51.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,304.0</u>

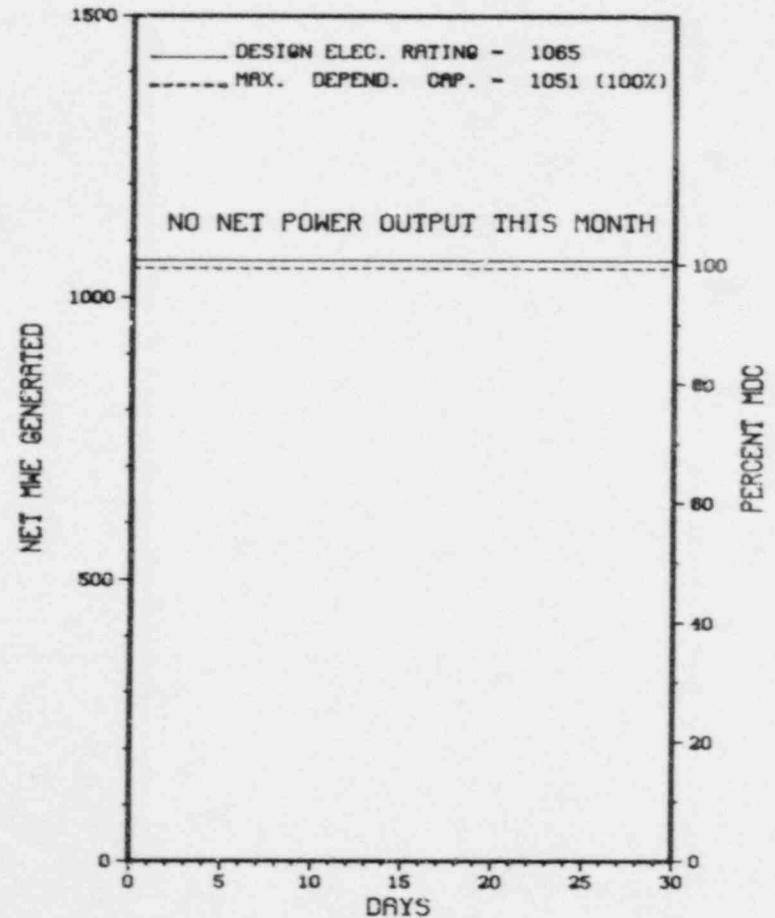
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE

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

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	720.0	C	4		RC	FUELXX	NRC REQUIRED SHUTDOWN.

* SUMMARY *

PEACH BOTTOM 2 REMAINED SHUTDOWN DURING JUNE UNDER NRC ORDER.
RESTART ACTIVITIES CONTINUED.

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

* PEACH BOTTOM 2 *

FACILITY DATA

Report Period JUN 1988

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....R. MARTIN
DOCKET NUMBER.....50-277
LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

XX
X PEACH BOTTOM 2 X
XX

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: L. L. MIDDLETON (215) 841-6374

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:
NRC ORDER OF 3/31/87.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>118,535.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>76,366.3</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>74,059.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>215,278,901</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>70,611,432</u>
19. Net Elec Ener (MWH)	<u>-3,069</u>	<u>-23,235</u>	<u>67,678,920</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>62.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>62.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>55.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>53.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,372.7</u>

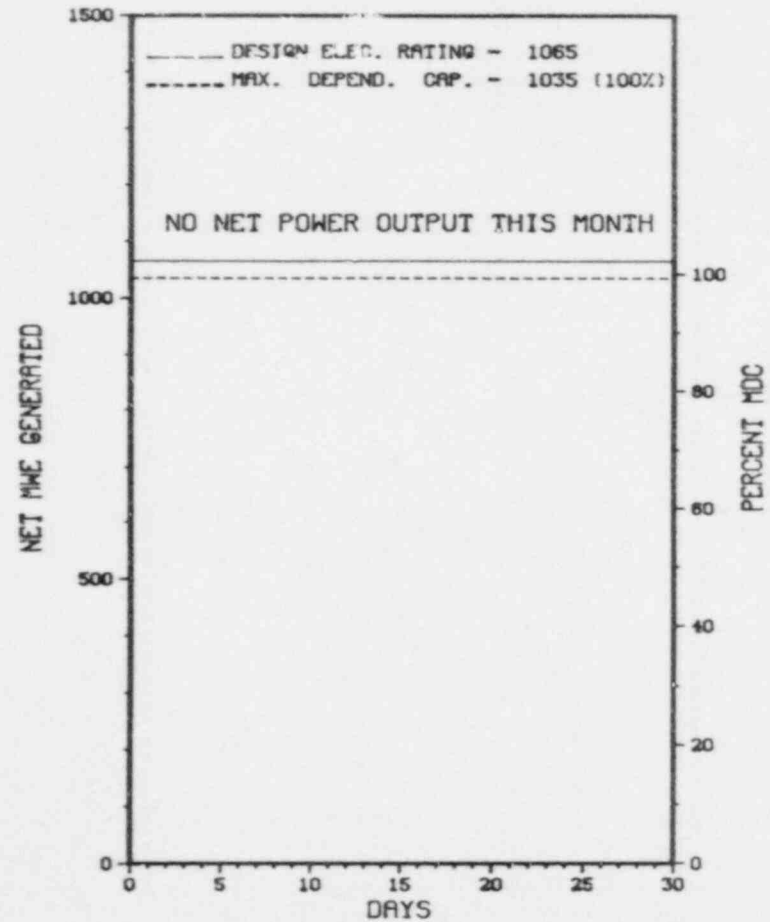
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	720.0	C	4		RC	FUELXX	PIPE REPLACEMENT OUTAGE.

* SUMMARY *

PEACH BOTTOM 3 REMAINED SHUTDOWN UNDER NRC ORDER. REFUEL AND PIPE REPLACEMENT IN PROGRESS.

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 PEACH BOTTOM 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 7, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974
DATE COMMERCIAL OPERATE...DECEMBER 23, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. JOHNSON
LICENSING PROJ MANAGER....R. MARTIN
DOCKET NUMBER.....50-278
LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

* PEACH BOTTOM 3 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-440 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. A. DUNN (216) 259-3737

4. Licensed Thermal Power (Mwt): 3579

5. Nameplate Rating (Gross MWe): 1250

6. Design Electrical Rating (Net MWe): 1205

7. Maximum Dependable Capacity (Gross MWe): 1230

8. Maximum Dependable Capacity (Net MWe): 1205

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

ITEMS 7/8-VALUES REFLECT SEAS. DERATE COND.

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONT:	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>5,411.0</u>
13. Hours Reactor Critical	<u>431.0</u>	<u>3,055.7</u>	<u>3,867.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>378.7</u>	<u>2,864.2</u>	<u>3,637.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,008,202</u>	<u>9,357,725</u>	<u>11,919,244</u>
18. Gross Elec Ener (MWH)	<u>330,183</u>	<u>3,214,679</u>	<u>4,093,141</u>
19. Net Elec Ener (MWH)	<u>304,785</u>	<u>3,027,932</u>	<u>3,856,416</u>
20. Unit Service Factor	<u>52.6</u>	<u>65.6</u>	<u>67.2</u>
21. Unit Avail Factor	<u>52.6</u>	<u>65.6</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>35.1</u>	<u>57.7</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>35.1</u>	<u>57.5</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>47.4</u>	<u>23.4</u>	<u>24.0</u>
25. Forced Outage Hours	<u>341.3</u>	<u>876.9</u>	<u>1,147.5</u>

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

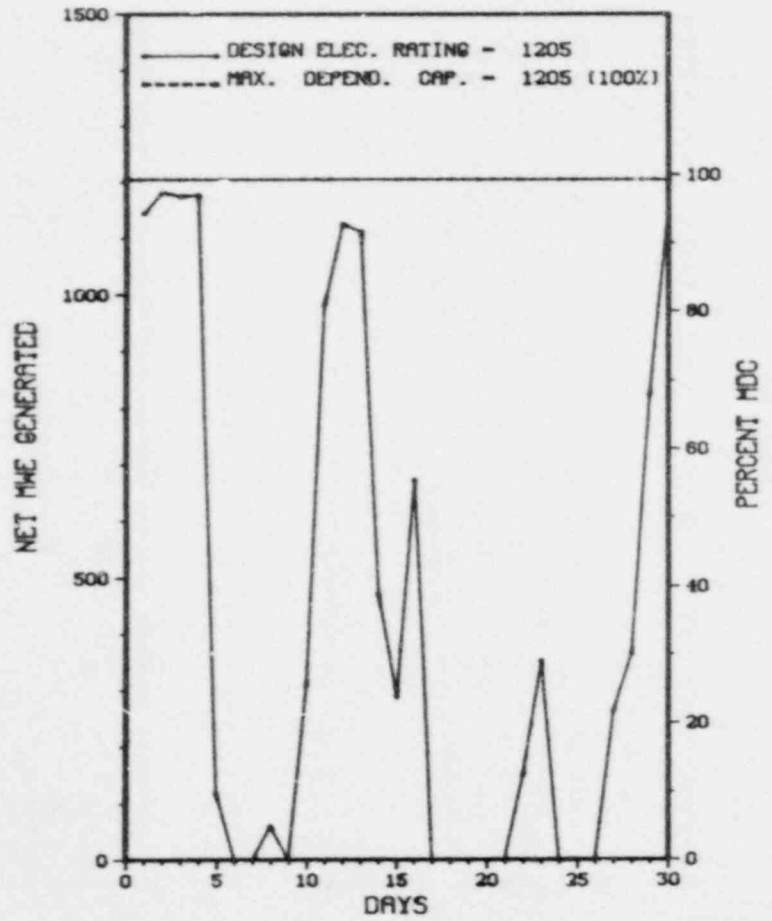
MAINTENANCE- OCTOBER 1988, 10 DAY DURATION.

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

XX
 * PERRY 1 *
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PERRY 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PERRY 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-10	06/05/88	F	65.5	G	3	88020	AD	TC	AFTER AN INADVERTENT TRANSFER TO FLUX AUTO, AN IMPROPERLY ADJUSTED RECIRCULATION FLOW CONTROL SYSTEM CAUSED AN INCREASE IN RECIRCULATION FLOW, RESULTING IN A REACTOR SCRAM ON HIGH NEUTRON FLUX. THE FLUX AUTO CIRCUITRY HAS BEEN DISABLED UNTIL PROPER ADJUSTMENTS ARE COMPLETED.
88-11	06/08/88	F	42.9	G	3	88023			DURING RECOVERY FROM A MAIN TURBINE TRIP, AN OPERATOR INADVERTENTLY OPENED BOP SUPPLY BREAKERS, DE-ENERGIZING BOTH RPS BUSES AND CAUSING A REACTOR SCRAM.
88-12	06/14/88	F	0.0	A	5				ON JUNE 14, REACTOR POWER WAS DECREASED TO APPROXIMATELY 20% OF RATED, TO FACILITATE REPAIRS TO LOW PRESSURE FEEDWATER HEATER 2C DRAIN VALVES. REPAIRS WERE COMPLETED AND THE PLANT WAS RETURNED TO FULL POWER ON JUNE 14.
88-13	06/16/88	F	140.2	H	3	88024	AD	TC	AFTER TROUBLESHOOTING THE RECIRCULATION FLOW CONTROL SYSTEM, REINSERTION OF AN AUTOMATIC FLUX CONTROL CARD INTO THE CIRCUIT CAUSED A SPURIOUS SPIKE IN THE RECIRCULATION FLOW DEMAND SIGNAL. THE RESULTANT INCREASE IN CORE FLOW CAUSED AN UPSCALE NEUTRON FLUX TRIP AND REACTOR SCRAM. ADMINISTRATIVE CONTROLS WERE ENACTED TO LOCK UP RECIRCULATION FLOW CONTROL VALVES DURING SUCH ACTIVITIES; ADDITIONALLY, THE VENDOR HAS BEEN CONTACTED FOR INDEPENDENT TESTING AND EVALUATION.
88-14	06/23/88	F	92.7	A	3	88026			DURING WEEKLY TESTING OF THE MAIN TURBINE OVERSPEED TRIP FUNCTIONS, A FAILURE OF THE OVERSPEED TRIP MECHANISM RESULTED IN A TURBINE TRIP AND REACTOR SCRAM. THE FAULTY MECHANISM WAS REPLACED, AND THE UNIT WAS RETURNED TO FULL POWER.

XXXXXXXXXXXX PERRY 1 INCURRED 4 FORCED OUTAGES AND 1 POWER REDUCTION IN JUNE
 X SUMMARY X FOR REASONS STATED ABOVE.
 XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* PERRY 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
PAINESVILLE, OHIO
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 6, 1986
DATE ELEC ENER 15% GENER...DECEMBER 19, 1986
DATE COMMERCIAL OPERATE...NOVEMBER 18, 1987
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...LAKE ERIE
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CLEVELAND ELECTRIC ILLUMINATING
CORPORATE ADDRESS.....P.O. BOX 5000
CLEVELAND, OHIO 44101
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....KAISER ENGINEERS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....K. CONNAUGHTON
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-440
LICENSE & DATE ISSUANCE...NPF-58, NOVEMBER 13, 1986
PUBLIC DOCUMENT ROOM.....PERRY PUBLIC LIBRARY
3753 MAIN ST.
PERRY, OH. 44081

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

INSPECTION SUMMARY

INSPECTION ON MARCH 23 (88002): INCLUDED A REVIEW OF AN ALLEGATION RECEIVED BY REGION III OF AN EMPLOYEE ALLEGEDLY IN POSSESSION OF AN ILLEGAL SUBSTANCE. THE LICENSEE WAS IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION. THE ALLEGATION WAS NOT SUBSTANTIATED.

INSPECTION ON MAY 2-5 (88006; 88003): SPECIAL, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE PERRY NUCLEAR POWER STATION EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY RESPONSE FACILITY APPRAISAL; REVIEWS OF RADIOACTIVE RELEASE ASSESSMENT AND METEOROLOGICAL INFORMATION; AND REVIEWS OF THE DESIGN AND OPERATION OF THE TECHNICAL SUPPORT CENTER AND EMERGENCY OPERATIONS FACILITY. THE INSPECTION INVOLVED ONE NRC INSPECTOR AND THREE CONTRACTOR PERSONNEL. THE LICENSEE'S FACILITIES FOR EMERGENCY RESPONSE WERE FOUND TO BE ADEQUATE (IP 82412). NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 23 THROUGH JUNE 10 (88010; 88005): ROUTINE ANNOUNCED INSPECTION OF THE LICENSEE'S IMPLEMENTATION OF GENERIC LETTER 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST MAINTENANCE TESTING AND REACTOR TRIP SYSTEM RELIABILITY. EXTENDED CONSTRUCTION DELAY INSPECTION OF UNIT 2. CLOSED TI 2515/64R1 AND TI 2515/95 (25564) (25595) (92050). 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:

PLANT IS IN NORMAL OPERATION

LAST IE SITE INSPECTION DATE: 06/10/88

INSPECTION REPORT NO: 88010

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
88-16	050488	060388	PERSONNEL ERROR RESULTS IN DEENERGIZING AUXILIARY BUILDING VENTILATION FAN TRIP RELAY CAUSING LOSS OF VENTILATION AND REACTOR WATER CLEANUP CONTAINMENT ISOLATION
88-19	051588	061088	FAILURE OF CHILLER LINKAGE AND FAN POWER SUPPLY CAUSES LOSS OF BOTH TRAINS OF CONTROL ROOM VENTILATION AND ENTRY INTO TECHNICAL SPECIFICATION 3.0.3.
88-20	060588	070188	OPERATOR ERROR CAUSES INADVERTENT TRANSFER OF RECIRCULATION FLOW CONTROL SYSTEM TO FLUX AUTO, RESULTING IN REACTOR SCRAM ON HIGH APRM LEVELS
88-22	060788	070788	FAILURE TO COMPLETE SURVEILLANCE REQUIREMENT PRIOR TO OPERATIONAL CONDITION CHANGE RESULTS IN TECHNICAL SPECIFICATION VIOLATION.

```
=====
```

1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: P. HAMILTON (617) 746-7000

4. Licensed Thermal Power (Mwt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>136,391.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>70,778.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>77,216.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>135,480,048</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>45,444,604</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>43,675,429</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>56.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>56.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>47.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>48.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,922.7</u>

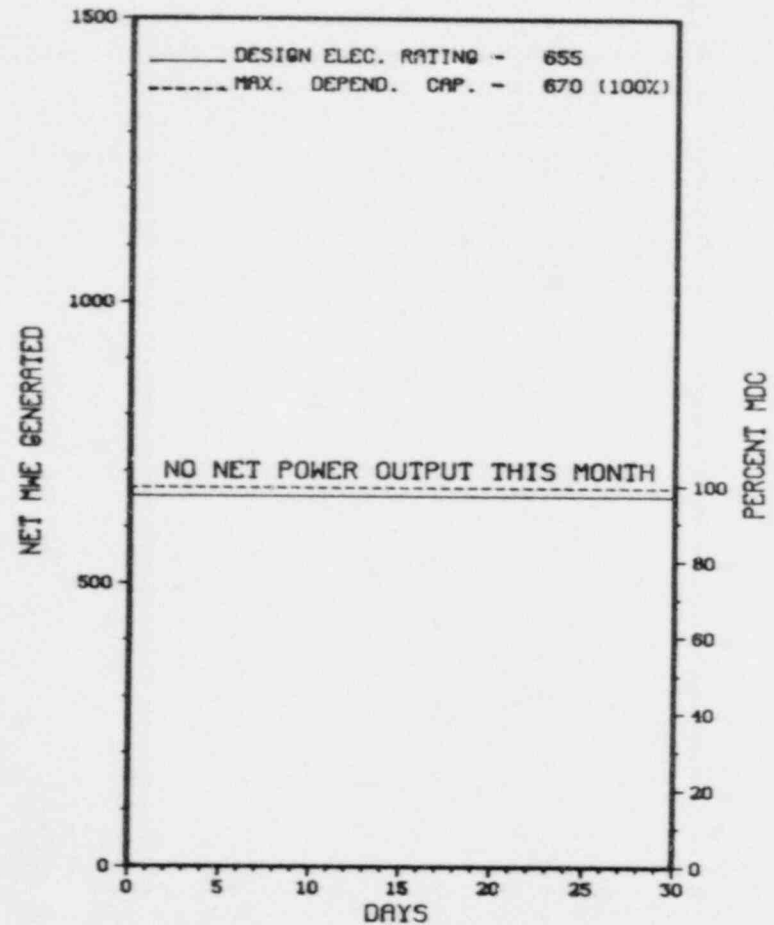
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 08/01/88

X PILGRIM 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PILGRIM 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	07/25/86	S	720.0	C	4				SHUTDOWN FOR RFO 7.

XXXXXXXXXX
X SUMMARY X
XXXXXXXXXX
PILGRIM 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED 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)

* PILGRIM 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 16, 1972
DATE ELEC ENER 1ST GENER...JULY 19, 1972
DATE COMMERCIAL OPERATE...DECEMBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE COD BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON
CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. WARREN
LICENSING PROJ MANAGER.....D. McDONALD
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 TS 6.8.A AND ANSI N18.7-1972 ON NOVEMBER 24, 1987 SAFETY RELATED RELAY COIL 16AK55 WAS REPLACED WITHOUT PROPER PREPLANNING AND WITHOUT SUFFICIENTLY DETAILED PROCEDURES. AS A RESULT SEVERAL UNANTICIPATED ESE ACTIVITIES OCCURRED. CONTRARY TO TS 6.11 AND STATION RADIATION PROTECTION PROCEDURE 6.1-022 A RADIOACTIVE WASTE WORKER WAS FOUND INSIDE A POSTED HIGH RADIATION AREA WITHOUT THE REQUIRED RWP, REQUIRED ANTICONTAMINATION CLOTHING AND REQUIRED HEALTH PHYSICS COVERAGE.

(8705 4)

CONTRARY TO TS 6.6 AND 10 CFR 50.72 TWO ESF ACTUATIONS OCCURRING ON NOVEMBER 23 AND 24, 1987 WERE NOT REPORTED TO THE NRC WITHIN FOUR HOURS AS REQUIRED.

(8705 5)

Report Period JUN 1988

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

* PILGRIM 1 *

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

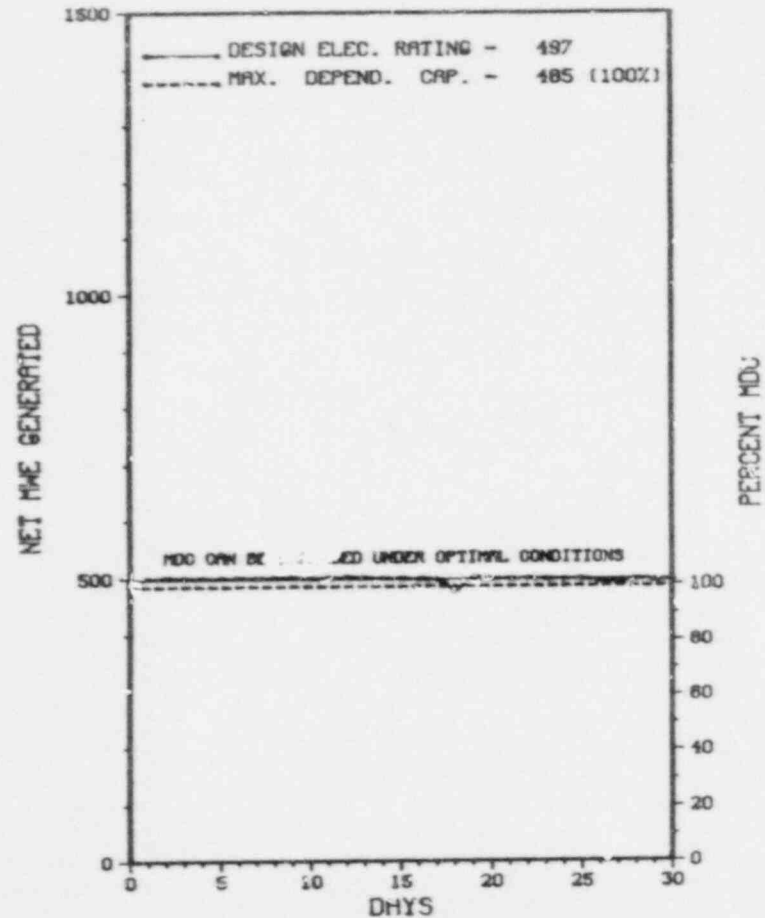
1. Docket: 50-266 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage ^ On-line Hrs: 720.0
3. Utility Contact: C. H. KRAUSE (414) 221-2001
4. Licensed Thermal Power (MWT): 1518
5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524
6. Design Electrical Rating (Net MWe): 497
7. Maximum Dependable Capacity (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>720.0</u>	<u>4,367.0</u>	<u>154,727.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,430.7</u>	<u>126,198.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>652.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,370.8</u>	<u>123,415.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.6</u>	<u>837.9</u>
17. Gross Therm Ener (MWH)	<u>1,090,854</u>	<u>5,031,638</u>	<u>170,658,692</u>
18. Gross Elec Ener (MWH)	<u>374,030</u>	<u>1,720,850</u>	<u>57,544,200</u>
19. Net Elec Ener (MWH)	<u>358,269</u>	<u>1,644,770</u>	<u>54,813,198</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.2</u>	<u>79.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.2</u>	<u>80.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>77.7</u>	<u>72.6*</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>75.8</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,464.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



JUNE 1988

* Item calculated with a Weighted Average

* POINT BEACH 1 *

FACILITY DATA

Report Period JUN 1988

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.....D. WAGNER
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 APRIL 12-14, 19-21, AND MAY 10-12 (88010): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73753), AND DATA REVIEW AND EVALUATION (73755); OF UNRESOLVED ITEMS (92701); OF FUEL ROD ASSEMBLY EXAMINATIONS (73753); OF THE ULTRASONIC EXAMINATION (UT) OF THE STEAM GENERATOR TRANSITION FIELD WELD AND THE REACTOR COOLANT LOOP PIPING (73052, 73753); OF THE EDDY CURRENT EXAMINATION OF THE STEAM GENERATOR TUBES, (73052, 73753); AND OF THE BALANCE OF PLANT PIPING EXAMINATIONS (73052, 73753). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 3-5 (88011; 88010): SPECIAL SAFETY INSPECTION LICENSEE ACTION ON IE BULLETIN 79-14 AND SNUBBER FUNCTIONAL TESTING AND SURVEILLANCE. (92703, 70370) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, REQUIRES IN PART V, "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." PROCEDURE PBNP 4.13, EQUIPMENT ISOLATION PROCEDURE, STATES IN SECTION 5.1 THAT, "THE REQUESTING INDIVIDUAL DESIRING TO REMOVE FROM SERVICE OR PERFORM MAINTENANCE ON ANY PLANT SYSTEM OR COMPONENT THAT IS SUBJECT TO THIS PROCEDURE SHALL: SUBMIT A REQUEST FOR EQUIPMENT ISOLATION TO THE DSS (DUTY SHIFT SUPERVISOR) SPECIFYING THE TIME AND DATE OF

1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: C. W. KRAUSE (414) 221-2001

4. Licensed Thermal Power (MWT): 1518

5. Baseplate 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

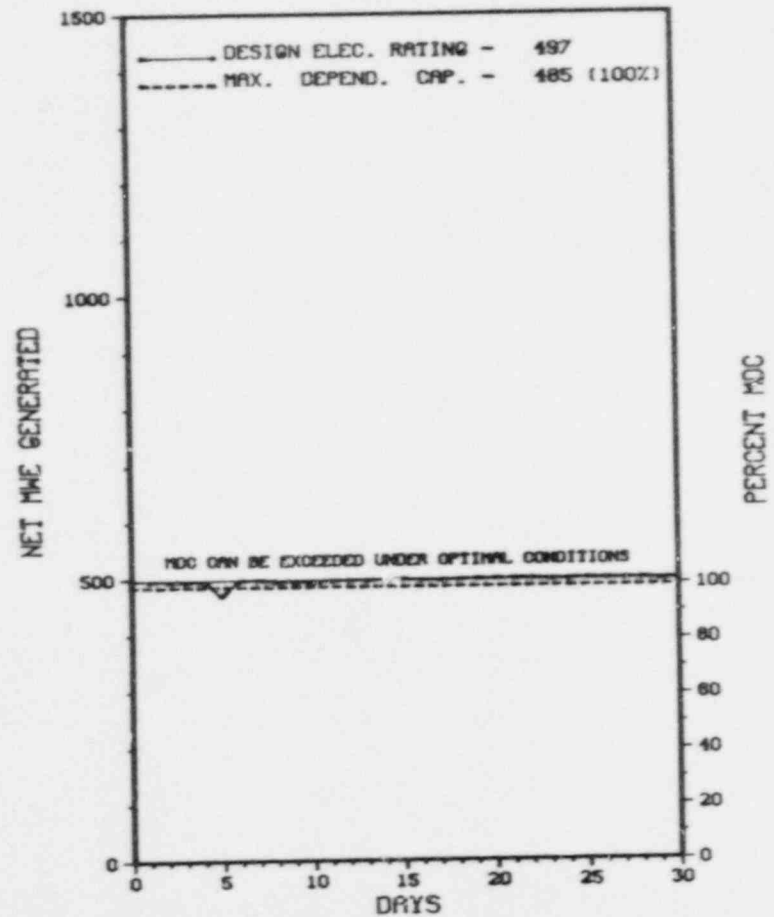
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>139,512.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,347.6</u>	<u>122,742.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1.1</u>	<u>216.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,304.2</u>	<u>120,774.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>5.0</u>	<u>297.4</u>
17. Gross Therm Ener (MWH)	<u>1,091,026</u>	<u>6,473,944</u>	<u>171,044,539</u>
18. Gross Elec Ener (MWH)	<u>373,150</u>	<u>2,214,810</u>	<u>57,995,030</u>
19. Net Elec Ener (MWH)	<u>356,606</u>	<u>2,117,210</u>	<u>55,261,624</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.6</u>	<u>86.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.7</u>	<u>86.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>100.0</u>	<u>80.9*</u>
23. Unit Cap Factor (DER Net)	<u>99.7</u>	<u>97.5</u>	<u>79.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>1.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>23.6</u>	<u>874.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 8, 1988 - 7 WEEK DURATION.

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

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 2



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

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

NONE

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES
OR SIGNIFICANT POWER REDUCTIONS.

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 JUN 1988

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.....D. WAGNER
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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 12-14, 19-21, AND MAY 10-12 (88010): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73753), AND DATA REVIEW AND EVALUATION (73755); OF UNRESOLVED ITEMS (92701); OF FUEL ROD ASSEMBLY EXAMINATIONS (73753); OF THE ULTRASONIC EXAMINATION (UT) OF THE STEAM GENERATOR TRANSITION FIELD WELD AND THE REACTOR COOLANT LOOP PIPING (73052, 73753); OF THE EDDY CURRENT EXAMINATION OF THE STEAM GENERATOR TUBES, (73052 73753); AND OF THE BALANCE OF PLANT PIPING EXAMINATIONS (73052, 73753). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 3-5 (88011; 88010): SPECIAL SAFETY INSPECTION LICENSEE ACTION ON IE BULLETIN 79-14 AND SNUBBER FUNCTIONAL TESTING AND SURVEILLANCE. (92703, 70370) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.301 STATES THAT "NO LICENSEE SHALL DISPOSE OF LICENSED MATERIAL EXCEPT: (A) BY TRANSFER TO AN AUTHORIZED RECIPIENT AS PROVIDED IN THE REGULATIONS IN PARTS 30, 40, 60, 61, 70, OR 72 OF THIS CHAPTER, WHICHEVER MAY BE APPLICABLE; OR (B) AS AUTHORIZED PURSUANT TO 20.302 OR PART 61 OF THIS CHAPTER; OR (C) AS PROVIDED IN 20.303, APPLICABLE TO THE DISPOSAL OF LICENSED MATERIAL BY RELEASE INTO SANITARY SEWERAGE SYSTEMS, OR IN 20.306 FOR DISPOSAL OF SPECIFIC WASTES, OR IN 20.106 (RADIOACTIVITY IN EFFLUENTS TO UNRESTRICTED AREAS). CONTRARY TO THIS REQUIREMENT, IN DECEMBER 1983, APRIL 1984, DECEMBER 1984, JUNE 1985, APRIL 1986, AND

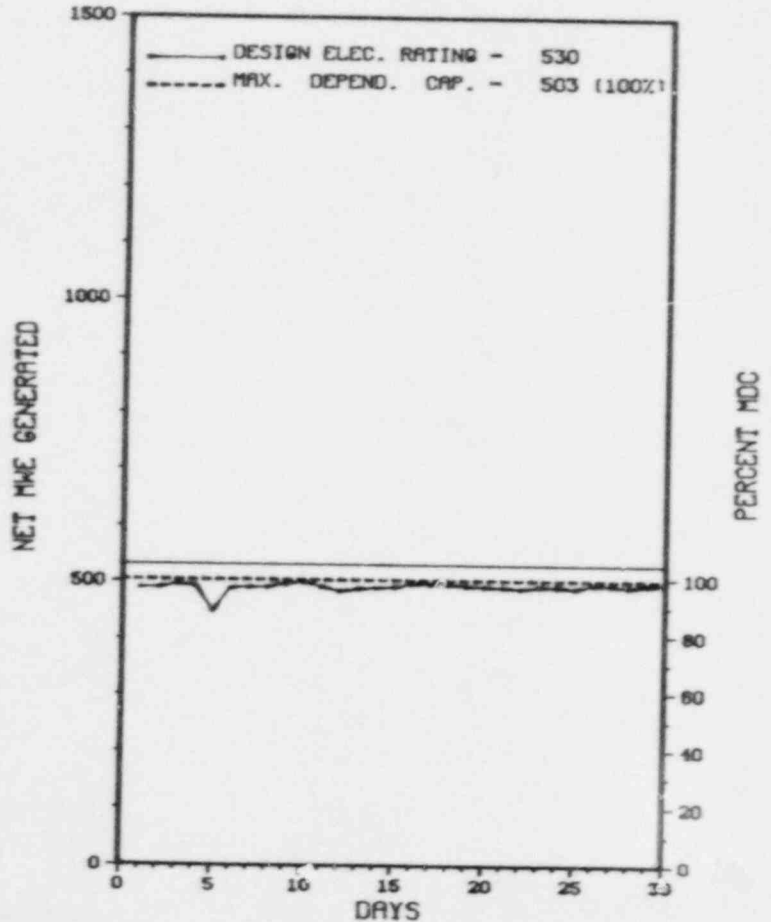
THIS PAGE INTENTIONALLY LEFT BLANK

 X PRAIRIE ISLAND 1 X

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1

1. Docket: 50-282 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: DALE DUGSTAD (612) 388-1121
4. Licensed Thermal Power (MWT): 1650
5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593
6. Design Electrical Rating (Net MWe): 530
7. Maximum Dependable Capacity (Gross MWe): 534
8. Maximum Dependable Capacity (Net MWe): 503
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE



	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>127,463.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,285.4</u>	<u>106,828.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,281.8</u>	<u>105,389.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,176,781</u>	<u>6,955,711</u>	<u>166,009,635</u>
18. Gross Elec Ener (MWH)	<u>377,180</u>	<u>2,297,810</u>	<u>54,371,820</u>
19. Net Elec Ener (MWH)	<u>353,536</u>	<u>2,168,442</u>	<u>51,006,107</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.0</u>	<u>82.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.0</u>	<u>82.7</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>98.7</u>	<u>79.6</u>
23. Unit Cap Factor (DER Net)	<u>92.6</u>	<u>93.7</u>	<u>75.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,715.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE - AUGUST 24, 1988.
27. If Currently Shutdown Estimated Startup Date: N/A

JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PRAIRIE ISLAND 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
880605	06/05/88	S	0.0	B	5				TURBINE VALVES TESTING.

XXXXXXXXXXXX PRAIRIE ISLAND 1 INCURRED 1 POWER REDUCTION IN JUNE FOR TURBINE
* SUMMARY * VALVES TESTING.
XXXXXXXXXXXX

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)

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period JUN 1988

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 APRIL 3 THROUGH MAY 14 (88005; 88005): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, LER FOLLOWUP, SPENT FUEL POOL ACTIVITIES, DESIGN CHANGES AND MODIFICATIONS, LICENSED OPERATOR TRAINING, MEETINGS WITH CORPORATE MANAGEMENT, AND MEETINGS WITH PUBLIC OFFICIALS. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED CONTINUOUSLY AT 100 PERCENT POWER AND IN GENERAL THE PLANT CONTINUES TO OPERATE WELL. AS NOTED IN THIS AND PREVIOUS INSPECTION REPORTS, HOWEVER, THERE CONTINUES TO BE A NEED FOR CONTINUED EMPHASIS REGARDING PAYING ATTENTION TO DETAILS. OF THE NINE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF PLANT OPERATIONAL SAFETY INVOLVING A TEMPORARY LOSS OF FULL OPERABILITY OF ONE OF THE PATHS FROM THE GRID TO SAFEGUARDS 4KV BUS NO. 16. THIS WAS CAUSED DURING RELAY WORK AND WAS THE SECOND OCCURRENCE OF THIS TYPE IN SIX MONTHS. AN UNRESOLVED ITEM WAS ALSO IDENTIFIED INVOLVING THE UNPLANNED AUTOSTART OF NO. 12 AND NO. 22 DIESEL COOLING WATER PUMPS AND MAY INVOLVE A PROCEDURAL ERROR.

INSPECTION ON MAY 23-27 (88007; 88007): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-PROTECTED AREAS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; DETECTION AIDS-PROTECTED AREAS; DETECTION AIDS-VITAL AREA; ALARM STATIONS; COMMUNICATIONS; TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; PROTECTION OF SAFEGUARDS INFORMATION; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING THE FAILURE OF THE PROTECTED AREA INTRUSION DETECTION SYSTEM TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES. ONE RER CONCERN AND ONE OPEN ITEM DEALING WITH SAS RELOCATION REMAIN OPEN. ONE OPEN ITEM CONCERNING ACCESS CONTROL FOR PERSONNEL WAS IDENTIFIED.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.7.A.1 REQUIRES THAT THE REACTOR SHALL NOT BE MAINTAINED CRITICAL OR ABOVE 200 DEGREES F. UNLESS AT LEAST TWO SEPARATE PATHS FROM THE GRID TO THE PLANT 4KV SAFETY BUSES ARE FULLY OPERATIONAL. TECHNICAL SPECIFICATION 3.7.B REQUIRES THAT THE REACTOR SHALL BE PLACED IN THE COLD SHUTDOWN CONDITION IF THE REQUIREMENTS OF SPECIFICATION 3.7.A CAN NOT BE SATISFIED. CONTRARY TO THE ABOVE, ON APRIL 26, 1988, ONE OF THE TWO PATHS FROM THE GRID TO SAFEGUARDS 4KV BUS NO. 16 WAS NOT FULLY OPERATIONAL FOR 20 MINUTES AND ACTION WAS NOT INITIATED TO PLACE THE REACTOR IN COLD SHUTDOWN.

FAILURE TO PROVIDE ADEQUATE PROTECTED AREA INTRUSIION CAPABILITY IN THAT 8 OF 19 ALARM ZONES FAILED TO DETECT PENETRATIONS.
FAILURE TO PROVIDE ADEQUATE PROTECTED AREA INTRUSIION CAPABILITY IN THAT 8 OF 19 ALARM ZONES FAILED TO DETECT PENETRATIONS.
(8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATED CONTINUOUSLY FOR ENTIRE MONTH.

LAST IE SITE INSPECTION DATE: 06/17/88

INSPECTION REPORT NO: 88009

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

=====			

1. Docket: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWT): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>118,581.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,468.7</u>	<u>103,703.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,449.2</u>	<u>102,644.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,179,177</u>	<u>5,533,447</u>	<u>161,679,524</u>
18. Gross Elec Ener (MWH)	<u>378,330</u>	<u>1,802,480</u>	<u>52,634,810</u>
19. Net Elec Ener (MWH)	<u>355,875</u>	<u>1,698,719</u>	<u>49,478,142</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.0</u>	<u>86.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.0</u>	<u>86.6</u>
22. Unit Cap Factor (MDC Net)	<u>98.9</u>	<u>77.8</u>	<u>83.5</u>
23. Unit Cap Factor (DER Net)	<u>93.3</u>	<u>73.4</u>	<u>78.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>1.1</u>	<u>3,360.1</u>

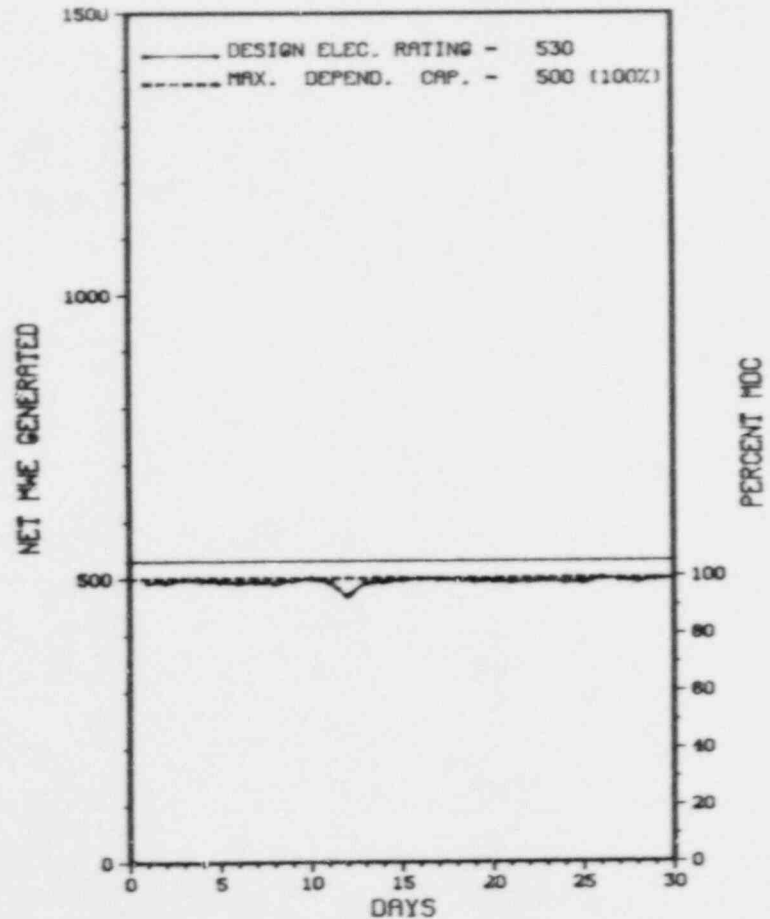
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
* PRAIRIE ISLAND 2 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
061288	06/12/88	S	0.0	B	5				TURBINE VALVES TESTING.

***** PRAIRIE ISLAND 2 INCURRED 1 POWER REDUCTION IN JUNE FOR
* SUMMARY * TURBINE VALVES 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)

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 3 THROUGH MAY 14 (88005; 88005): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, LER FOLLOWUP, SPENT FUEL POOL ACTIVITIES, DESIGN CHANGES AND MODIFICATIONS, LICENSED OPERATOR TRAINING, MEETINGS WITH CORPORATE MANAGEMENT, AND MEETINGS WITH PUBLIC OFFICIALS. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED CONTINUOUSLY AT 100 PERCENT POWER AND IN GENERAL THE PLANT CONTINUES TO OPERATE WELL. AS NOTED IN THIS AND PREVIOUS INSPECTION REPORTS, HOWEVER, THERE CONTINUES TO BE A NEED FOR CONTINUED EMPHASIS REGARDING PAYING ATTENTION TO DETAILS. OF THE NINE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF PLANT OPERATIONAL SAFETY INVOLVING A TEMPORARY LOSS OF FULL OPERABILITY OF ONE OF THE PATHS FROM THE GRID TO SAFEGUARDS 4KV BUS NO. 16. THIS WAS CAUSED DURING RELAY WORK AND WAS THE SECOND OCCURRENCE OF THIS TYPE IN SIX MONTHS. AN UNRESOLVED ITEM WAS ALSO IDENTIFIED INVOLVING THE UNPLANNED AUTOSTART OF NO. 12 AND NO. 22 DIESEL COOLING WATER PUMPS AND MAY INVOLVE A PROCEDURAL ERROR.

INSPECTION ON MAY 23-27 (88007; 88007): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-PROTECTED AREAS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; DETECTION AIDS-PROTECTED AREAS; DETECTION AIDS-VITAL AREA; ALARM STATIONS; COMMUNICATIONS; TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; PROTECTION OF SAFEGUARDS INFORMATION; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING THE FAILURE OF THE PROTECTED AREA INTRUSION DETECTION SYSTEM TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES. ONE RER CONCERN AND ONE OPEN ITEM DEALING WITH SAS RELOCATION REMAIN OPEN. ONE OPEN ITEM CONCERNING ACCESS CONTROL FOR PERSONNEL WAS IDENTIFIED.

Report Period JUN 1988

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

XX
* PRAIRIE ISLAND 2 *
XX

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATED CONTINUALLY THROUGHOUT MONTH.

LAST IE SITE INSPECTION DATE: 06/17/88

INSPECTION REPORT NO: 88009

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

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X2147

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>720.0</u>	<u>4,367.0</u>	<u>141,455.0</u>
13. Hours Reactor Critical	<u>677.8</u>	<u>4,113.2</u>	<u>113,182.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>519.0</u>	<u>3,864.2</u>	<u>109,321.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,125,691</u>	<u>9,028,422</u>	<u>232,369,179</u>
18. Gross Elec Ener (MWH)	<u>364,695</u>	<u>2,939,364</u>	<u>75,364,982</u>
19. Net Elec Ener (MWH)	<u>344,939</u>	<u>2,804,277</u>	<u>70,708,347</u>
20. Unit Service Factor	<u>72.1</u>	<u>88.5</u>	<u>77.3</u>
21. Unit Avail Factor	<u>72.1</u>	<u>88.5</u>	<u>77.9</u>
22. Unit Cap Factor (MDC Net)	<u>62.3</u>	<u>83.5</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>60.7</u>	<u>81.4</u>	<u>63.4</u>
24. Unit Forced Outage Rate	<u>27.9</u>	<u>6.8</u>	<u>5.3</u>
25. Forced Outage Hours	<u>201.0</u>	<u>281.5</u>	<u>3,717.9</u>

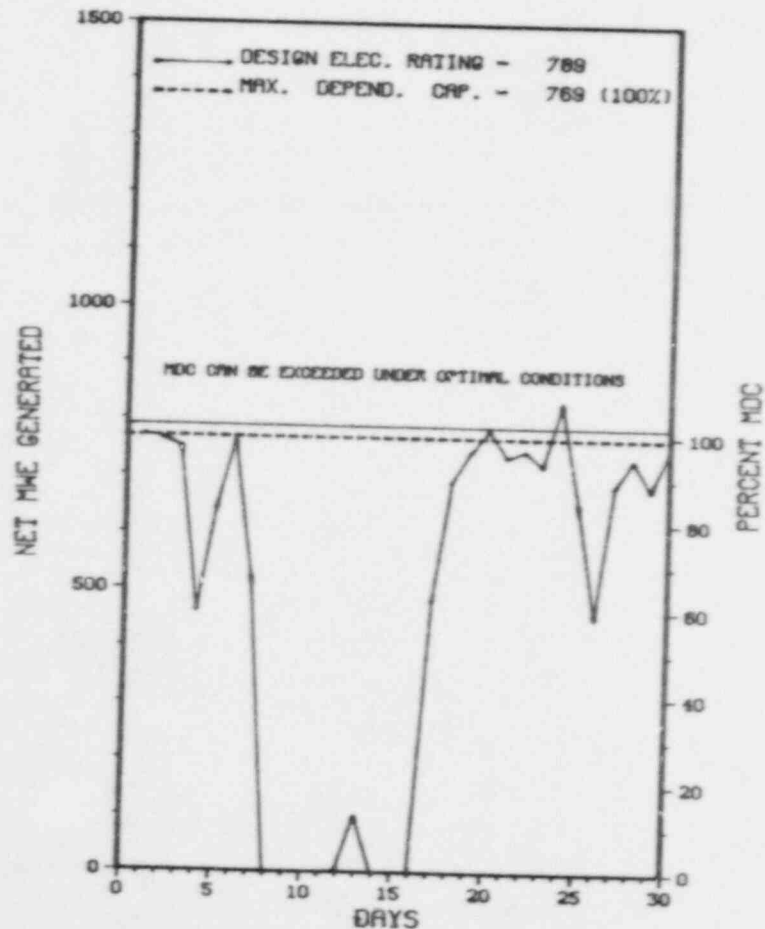
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X QUAD CITIES 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-7	06/04/88	F	0.0	H	5		CH	XXXXXX	POWER REDUCTION TAKEN TO REPAIR FEEDWATER HEATERS.
88-8	06/07/88	F	121.9	H	9		HC	HTEXCH	TURBINE TRIPPED/UNIT TO HOT STANDBY DUE TO CONDENSER LEAKAGE.
88-9	06/13/88	F	36.8	A	9		HB	PIPEXX	TURBINE TRIPPED/CONDENSER LEAKAGE DISCOVERED TO BE DUE TO HOLD IN BELLOWS OF THE EXTRACTION STEAM LINE OF THE NO. 1CIV.
88-10	06/14/88	F	42.3	H	2			ELECON	
88-11	06/25/88	S	0.0	H	5			ZZZZZ	REQUESTED PER CHICAGO LOAD DISPATCHER.
88-12	06/26/88	S	0.0	H	5			ZZZZZ	RREQUESTED PER CHICAGO LOAD DISPATCHER.

XXXXXXXXXXXX QUAD CITIES 1 INCURRED 3 FORCED OUTAGES AND 3 POWER REDUCTIONS IN
 * SUMMARY * IN JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* QUAD CITIES 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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.....T. ROSS
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....DIXON PUBLIC LIBRARY
221 HENNEPIN AVENUE
DIXON, ILLINOIS 61021

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

INSPECTION SUMMARY

INSPECTION ON APRIL 3 THROUGH JUNE 4 (88009; 88010): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS, MAINTENANCE, SURVEILLANCE, LER REVIEW, ROUTINE REPORTS, TEMPORARY INSTRUCTIONS, ADMINISTRATIVE CONTROLS AFFECTING QUALITY, RADIATION CONTROL, AND OUTAGES. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED OTHER THAN THOSE DESCRIBED IN INSPECTION REPORTS WRITTEN BY REGION-BASED INSPECTORS.

INSPECTION ON APRIL 18-29 (88-10; 88-11): A ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED AT QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2. INCLUDED IN THIS INDEPENDENT MEASUREMENTS INSPECTION WERE SAFETY-RELATED PIPING WELDCMENTS, COMPONENTS, AND SUPPORTS SELECTED FROM PLANT MODIFICATION PACKAGES AND THE INSERVICE INSPECTION PLAN. SPECIFIC AREAS INSPECTED WERE SELECTED FROM THE ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS), ATMOSPHERIC CONTAINMENT ATMOSPHERIC DILUTION (ACAD), RESIDUAL HEAT REMOVAL (RHR), FEEDWATER (FW) AND CONDENSATE SYSTEMS. ALL INSPECTIONS WERE PERFORMED TO APPLICABLE CODES, STANDARDS, AND PROCEDURES.

INSPECTION ON MAY 10-20 (88013; 88013): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADWASTE MANAGEMENT AND RADIATION PROTECTION PROGRAMS DURING A REFUELING AND MAINTENANCE OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83727); CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, AND PROCEDURES (IP 83729); PLANNING AND PREPARATION (IP 83729); TRAINING AND QUALIFICATIONS OF CONTRACTOR PERSONNEL (IP 83729); INTERNAL AND EXTERNAL EXPOSURE CONTROLS (IP 83724, 83725, AND 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83726, 83729); AUDITS AND APPRAISALS (IP 83729); THE ALARA PROGRAM (IP 83728, 83729); SOLID RADWASTE (IP 84722); AND LIQUID AND GASEOUS EFFLUENTS (IP 84723 AND 84724). ALSO REVIEWED WERE PREVIOUS OPEN ITEMS (IP 92701), SPENT FUEL POOL LINER LEAKAGE, AN LER (IP 92700), AND UNDERWATER CAMERA EQUIPMENT HANDLING EVENTS (IP 83729). ONE PROCEDURAL VIOLATION (TWO-PART) WAS IDENTIFIED (FAILURE TO ADHERE TO RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE HANDLING MATERIAL

INSPECTION SUMMARY

REMOVED FROM THE SPENT FUEL POOL AND REACTOR CAVITY, AND FAILURE TO INFORM OR CONSULT THE RAD/CHEM DEPARTMENT PRIOR TO UNCOVERING AND DISASSEMBLING CONTAMINATED MATERIAL REMOVED FROM THE FUEL POOL). ALTHOUGH ONE VIOLATION WAS IDENTIFIED, THE LICENSEE'S RADIATION PROTECTION AND ALARA PROGRAMS CONTINUE TO BE GENERALLY EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF OCCUPATIONAL WORKERS AND REDUCING PERSONNEL EXPOSURES. OVERALL, RADIOLOGICAL CONTROLS FOR THE UNIT 2 REFUELING/MAINTENANCE OUTAGE WERE GOOD. THE LICENSEE'S PROGRAMS FOR CONTROLLING SOLID RADWASTE AND LIQUID AND GASEOUS EFFLUENTS APPEAR EFFECTIVE.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.2.B. REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED, MADE AVAILABLE TO ALL STATION PERSONNEL, AND ADHERED TO. QUAD CITIES RADIATION PROTECTION PROCEDURE QRP 100 0-1 REQUIRES EACH INDIVIDUAL TO READ, UNDERSTAND AND SIGN THE RWP AND COMPLY WITH ITS REQUIREMENTS IN ALL RESPECTS. CONTRARY TO THE ABOVE, ON OCTOBER 25, 1987 AND MAY 17, 1988, TWO LICENSEE WORKERS FAILED TO COMPLY WITH RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE WORKING ON UNDERWATER CAMERA EQUIPMENT REMOVED FROM THE FUEL POOL AND REACTOR CAVITY, RESPECTIVELY. IN THAT RWP REQUIRED FULL-FACE MASKS WERE NOT WORN. 1 WORKER HANDLING THE EQUIPMENT WAS EXTERNALLY CONTAMINATED & ANOTHER WAS BOTH EXTERNALLY & INTERNALLY CONTAINED. QUAD CITIES RAD PROTECTIVE PROC. QRP 1000-1 REQ'S THAT THE RAD/CHEM DEPT BE INFORMED AND/OR CONSULTED BEFORE THE FACT SO THAT A RADIOLOGICAL EVALUATION CAN BE MADE WHEN UNCOVERING CONTAMINATED MATERIALS OR DISASSEMBLING POTENTIALLY CONTAMINATED EQUIPMENT WHERE DOSE RATES OR AIRBORNE RADIOACTIVITY MAY BE EXPECTED TO INCREASE SIGNIFICANTLY. CONTRARY TO THE ABOVE, ON 10-25-87, THE RAD/CHEM DEPARTMENT WAS NOT INFORMED OR CONSULTED PRIOR TO UNCOVERING (UNBAGGING) CONTAMINATED CAMERA EQUIPMENT AND SUBSEQUENTLY DISASSEMBLING PORTIONS OF IT. TECHNICAL SPECIFICATION 6.2.B. REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED, MADE AVAILABLE TO ALL STATION PERSONNEL, AND ADHERED TO. QUAD CITIES RADIATION PROTECTION PROCEDURE QRP 100 0-1 REQUIRES EACH INDIVIDUAL TO READ, UNDERSTAND AND SIGN THE RWP AND COMPLY WITH ITS REQUIREMENTS IN ALL RESPECTS. CONTRARY TO THE ABOVE, ON OCTOBER 25, 1987 AND MAY 17, 1988, TWO LICENSEE WORKERS FAILED TO COMPLY WITH RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE WORKING ON UNDERWATER CAMERA EQUIPMENT REMOVED FROM THE FUEL POOL AND REACTOR CAVITY, RESPECTIVELY. IN THAT RWP REQUIRED FULL-FACE MASKS WERE NOT WORN. 1 WORKER HANDLING THE EQUIPMENT WAS EXTERNALLY CONTAMINATED & ANOTHER WAS BOTH EXTERNALLY & INTERNALLY CONTAINED. QUAD CITIES RAD PROTECTION PROC. QRP 1000-1 REQ'S THAT THE RAD/CHEM DEPT BE INFORMED AND/OR CONSULTED BEFORE THE FACT SO THAT A RADIOLOGICAL EVALUATION CAN BE MADE WHEN UNCOVERING CONTAMINATED MATERIALS OR DISASSEMBLING POTENTIALLY CONTAMINATED EQUIPMENT WHERE DOSE RATES OR AIRBORNE RADIOACTIVITY MAY BE EXPECTED TO INCREASE SIGNIFICANTLY. CONTRARY TO THE ABOVE, ON 10-25-87, THE RAD/CHEM DEPARTMENT WAS NOT INFORMED OR CONSULTED PRIOR TO UNCOVERING (UNBAGGING) CONTAMINATED CAMERA EQUIPMENT AND SUBSEQUENTLY DISASSEMBLING PORTIONS OF IT. DURING AN NRC INSPECTION CONDUCTED ON MARCH 30 THROUGH MAY 2, 1988, A VIOLATION OF NRC REQUIREMENTS WAS IDENTIFIED. IN ACCORDANCE WITH THE "GENERAL STATEMENT OF POLICY AND PROCEDURE FOR NRC ENFORCEMENT ACTIONS," 10 CFR PART 2, APPENDIX C, THE VIOLATION IS LISTED BELOW: 10 CFR 50.72 (B)(2)(II) STATES, IN PART: "(B) NON-EMERGENCY EVENTS - ... (2) FOUR-HOUR REPORTS. ... 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 STATED REQUIREMENTS, ON APRIL 11, 1988, AT 2:38 PM, THE CONTROL ROOM ESSENTIAL HEATING, VENTILATION AND AIR CONDITIONING (HVAC) SYSTEM, AN ENGINEERED SAFETY FEATURE, WAS ACTUATED AND WAS NOT REPORTED TO THE NRC WITHIN FOUR HOURS.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: SO-265 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X 2147

4. Licensed Thermal Power (MWh): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>140,565.0</u>
13. Hours Reactor Critical	<u>151.2</u>	<u>2,441.0</u>	<u>107,998.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-line	<u>124.0</u>	<u>2,385.9</u>	<u>103,921.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>707.9</u>
17. Gross Therm Ener (MWH)	<u>102,850</u>	<u>5,256,030</u>	<u>222,626,597</u>
18. Gross Elec Ener (MWH)	<u>30,829</u>	<u>1,700,559</u>	<u>71,258,333</u>
19. Net Elec Ener (MWH)	<u>25,703</u>	<u>1,622,726</u>	<u>67,174,157</u>
20. Unit Service Factor	<u>17.2</u>	<u>54.6</u>	<u>73.9</u>
21. Unit Avail Factor	<u>17.2</u>	<u>54.6</u>	<u>74.6</u>
22. Unit Cap Factor (MDC Net)	<u>4.6</u>	<u>48.3</u>	<u>62.1</u>
23. Unit Cap Factor (DER Net)	<u>4.5</u>	<u>47.1</u>	<u>60.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.9</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>150.5</u>	<u>5,433.7</u>

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

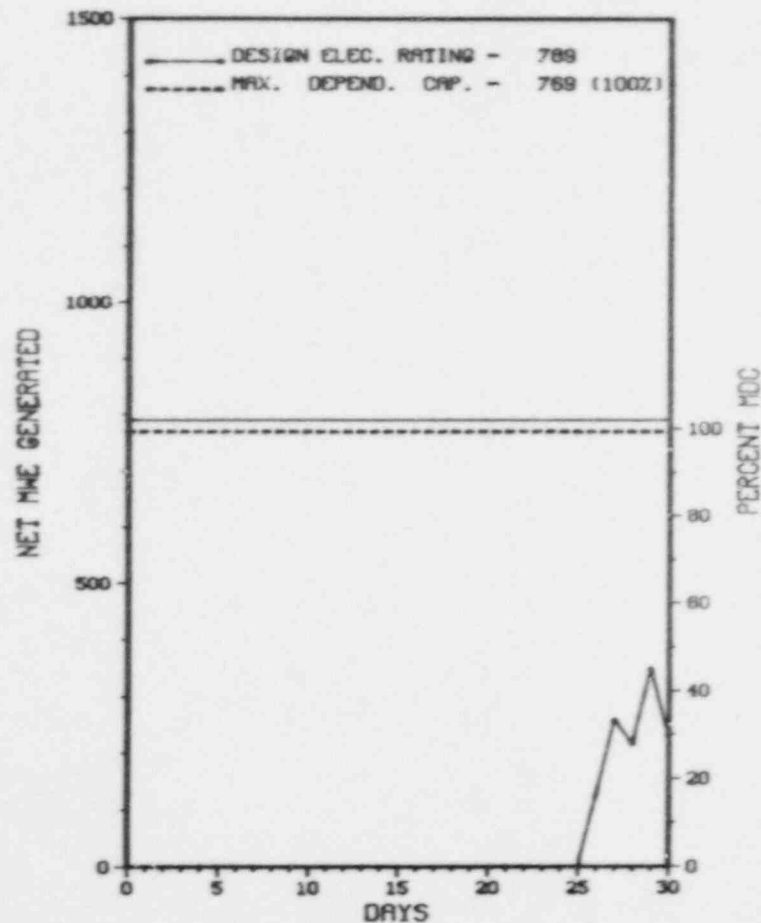
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X QUAD CITIES 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X QUAD CITIES 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-5	04/10/88	S	596.0	C	4		RC	FUELXX	END OF CYCLE NINE REFUELING OUTAGE.
88-6	06/30/88	F	0.0	A	5		IE	INSTRU	POWER REDUCTION DUE TO FAILURE OF TIP MACHINE NO.3 INDEX 9.

XXXXXXXXXXXX QUAD CITIES 2 COMPLETED REFUELING OUTAGE IN JUNE AND
 X SUMMARY X RETURNED TO POWER. SUBSEQUENTLY INCURRED 1 POWER REDUCTION.
 XXXXXXXXXXXXXXX

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

* QUAD CITIES 2 *

FACILITY DATA

Report Period JUN 1988

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, 1975
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....T. ROSS
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....DIXON PUBLIC LIBRARY
221 HENNEPIN AVENUE
DIXON, ILLINOIS 61021

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

INSPECTION SUMMARY

INSPECTION ON APRIL 3 THROUGH JUNE 4 (88009; 88010): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS, MAINTENANCE, SURVEILLANCE, LER REVIEW, ROUTINE REPORTS, TEMPORARY INSTRUCTIONS, ADMINISTRATIVE CONTROLS AFFECTING QUALITY, RADIATION CONTROL AND OUTAGES. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED OTHER THAN THOSE DESCRIBED IN INSPECTION REPORTS WRITTEN BY REGION-BASED INSPECTORS.

INSPECTION ON APRIL 18-29 (88-10; 88-11): A ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED AT QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2. INCLUDED IN THIS INDEPENDENT MEASUREMENTS INSPECTION WERE SAFETY-RELATED PIPING WELDMENTS, COMPONENTS, AND SUPPORTS SELECTED FROM PLANT MODIFICATION PACKAGES AND THE INSERVICE INSPECTION PLAN. SPECIFIC AREAS INSPECTED WERE SELECTED FROM THE ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS), ATMOSPHERIC CONTAINMENT ATMOSPHERIC DILUTION (ACAD), RESIDUAL HEAT REMOVAL (RHR), FEEDWATER (FW) AND CONDENSATE SYSTEMS. ALL INSPECTIONS WERE PERFORMED TO APPLICABLE CODES, STANDARDS, AND PROCEDURES.

INSPECTION ON MAY 10-20 (88013; 88013): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADWASTE MANAGEMENT AND RADIATION PROTECTION PROGRAMS DURING A REFUELING AND MAINTENANCE OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, AND PROCEDURES (IP 83729); PLANNING AND PREPARATION (IP 83729); TRAINING AND QUALIFICATIONS OF CONTRACTOR PERSONNEL (IP 83729); INTERNAL AND EXTERNAL EXPOSURE CONTROLS (IP 83724, 83725, AND 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83726, 83729); AUDITS AND APPRAISALS (IP 83729); THE ALARA PROGRAM (IP 83728, 83729); SOLID RADWASTE (IP 84722); AND LIQUID AND GASEOUS EFFLUENTS (IP 84723 AND 84724). ALSO REVIEWED WERE PREVIOUS OPEN ITEMS (IP 92701), SPENT FUEL POOL LINER LEAKAGE, AN LER (IP 92700), AND UNDERWATER CAMERA EQUIPMENT HANDLING EVENTS (IP 83729). ONE PROCEDURAL VIOLATION (TWO-PART) WAS IDENTIFIED (FAILURE TO ADHERE TO RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE HANDLING MATERIAL

INSPECTION SUMMARY

REMOVED FROM THE SPENT FUEL POOL AND REACTOR CAVITY, AND FAILURE TO INFORM OR CONSULT THE RAD/CHEM DEPARTMENT PRIOR TO UNCOVERING AND DISASSEMBLING CONTAMINATED MATERIAL REMOVED FROM THE FUEL POOL). ALTHOUGH ONE VIOLATION WAS IDENTIFIED, THE LICENSEE'S RADIATION PROTECTION AND ALARA PROGRAMS CONTINUE TO BE GENERALLY EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF OCCUPATIONAL WORKERS AND REDUCING PERSONNEL EXPOSURES. OVERALL, RADIOLOGICAL CONTROLS FOR THE UNIT 2 REFUELING/MAINTENANCE OUTAGE WERE GOOD. THE LICENSEE'S PROGRAMS FOR CONTROLLING SOLID RADWASTE AND LIQUID AND GASEOUS EFFLUENTS APPEAR EFFECTIVE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT 2 RESTARTED FROM ITS REFUELING OUTAGE ON JUNE 24, 1988 AND IS OPERATING ROUTINELY AT POWER (SLIGHTLY REDUCED DUE TO TEMPERATURE/DROUGHT CONDITIONS.)

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88014

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11	052288	060988	UNIT TWO SCRAM WHEN MODE SWITCH WAS MOVED CAUSED BY SWITCH POSITION UNCERTAINTY DUL TO DESIGN
88-12	052488	062088	EXISTING PIPE SUPPORTS ON LINE 2-1265-2" DO NOT MEET DESIGN REQUIREMENTS DUE TO IMPROPER ANALYSIS DURING MODIFICATION
88-13	052688	061788	IMPROPERLY INSTALLED SJAЕ SUCTION VALVE DUE TO INSUFFICIENT INSTRUCTION AND TESTING
88-14	042088	062288	DEVIATION FROM RADIOACTIVE WASTE SOLIDIFICATION PROCESS CONTROL PROGRAM
88-15	053088	062288	UNIT 2 PARTIAL GROUP II ISOLATION FROM BLOWN FUSE DUE TO UNKNOWN REASON
88-16	040188	062288	UNIT TWO PARTIAL GROUP II ISOLATION FROM BLOWN FUSES DUE TO MAIN TENANCE ACTIVITY
88-17	060788	062888	STRESSES IN MSIV AIR LINE EXCEED FSAR ALLOWABLES
88-18	060988	070788	REACTOR WATER CLEANUP SYSTEM VALVE CLOSURE DUE TO A SPURIOUS HIGH NON-REGENERATIVE HEAT EXCHANGER OUTLET TEMPERATURE SIGNAL
88-19	061188	062988	ENGINEERED SAFETY FEATURE ACTIATIONS WHILE TAKING VALVE 2-1601-56 OUT OF SERVICE DUE TO PERSONNEL ERROR

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: R. MILLER (916) 452-3211 X4477

4. Licensed Thermal Power (Mwt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>115,752.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>1,973.3</u>	<u>54,538.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>1,721.9</u>	<u>52,085.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>110.2</u>
17. Gross Therm Ener (MWH)	<u>843,520</u>	<u>1,807,445</u>	<u>126,03,780</u>
18. Gross Elec Ener (MWH)	<u>263,124</u>	<u>560,307</u>	<u>42,088,91</u>
19. Net Elec Ener (MWH)	<u>234,475</u>	<u>436,998</u>	<u>39,426,143</u>
20. Unit Service Factor	<u>100.0</u>	<u>39.4</u>	<u>45.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>39.4</u>	<u>46.0</u>
22. Unit Cap Factor (MDC Net)	<u>37.3</u>	<u>11.5</u>	<u>39.0</u>
23. Unit Cap Factor (DER Net)	<u>35.5</u>	<u>10.9</u>	<u>37.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>55.4</u>	<u>44.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>2,143.1</u>	<u>41,048.5</u>

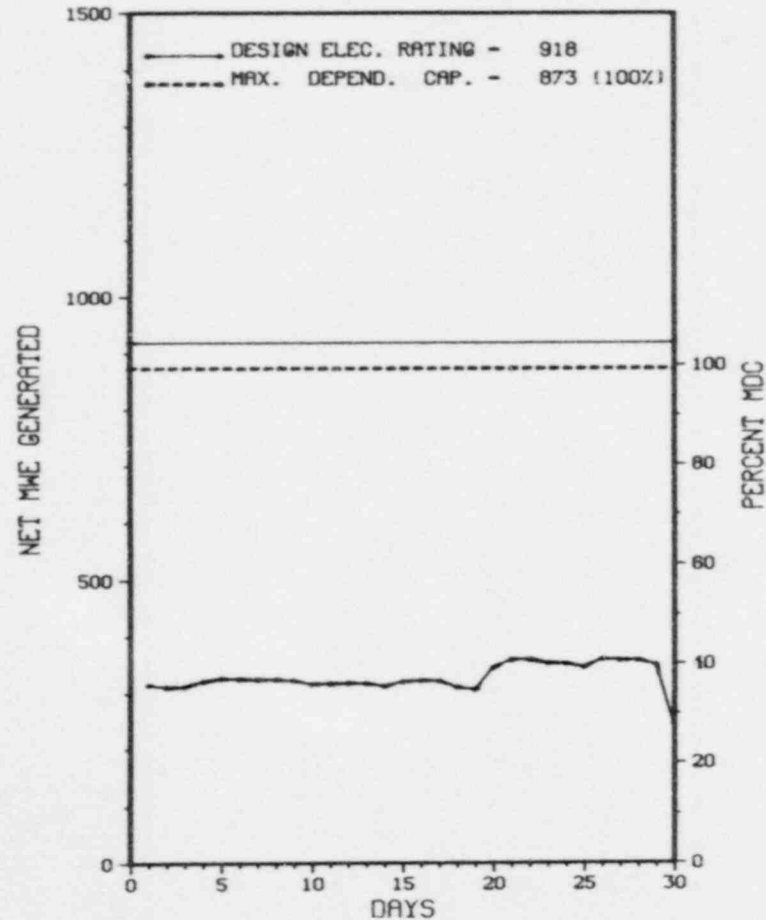
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
P02 OUTAGE - AUGUST 5, 1988.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X RANCHO SECO 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/29/88	F	0.0	H	5				POWER LFVEL DROPPED FROM 45% TO 24% ON JUNE 29 AT 2311 WHEN BOTH MAIN FEEDWATER BLOCK VALVES CLOSED DUE TO ACTUATION OF THE MAIN FEED PUMP DISCHARGE LOW PRESSURE SWITCHES. BOTH SWITCHES WERE REPLACED.

 * SUMMARY *

 RANCHO SECO INCURRED ONE POWER REDUCTION IN JUNE FOR REASONS STATED ABOVE WHILE IN THE POWER ASCENSION TEST PROGRAM.

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-6161)

* RANCHO SECO 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATECALIFORNIA
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
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.....A. DANDELO
LICENSING PROJ MANAGER.....G. KALMAN
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO 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 JANUARY 4 - MARCH 10, 1988 (REPORT NO. 50-312/88-02) HEADQUARTERS REPORT; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON MARCH 20 - APRIL 8, 1988 (REPORT NO. 50-312/88-10) AREAS INSPECTED: THIS WAS A SPECIAL ENHANCED OPERATIONAL INSPECTION DURING PLANT STARTUP FOLLOWING AN EXTENDED PERIOD OF PLANT SHUTDOWN WHICH COMMENCED ON DECEMBER 26, 1985. THE INSPECTION WAS CONDUCTED BY REGIONAL AND RESIDENT INSPECTORS FROM REGION V AND REGION I, PERSONNEL FROM NRC HEADQUARTERS, AND CONSULTANTS FROM THE BATTELLE-PACIFIC NORTHWEST LABORATORIES, AND INCLUDED THE AREAS OF PLANT OPERATION AND OPERATIONAL SUPPORT ACTIVITIES. DURING THIS INSPECTION, ONE INSPECTION PROCEDURE WAS UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. STRENGTHS WERE OBSERVED IN THE KNOWLEDGE AND PERFORMANCE OF PLANT OPERATORS, PARTICULARLY CONTROL ROOM OPERATORS, AND A GENERALLY STRONG DISCIPLINE IN ADHERENCE TO WRITTEN PROCEDURES BY ESSENTIALLY ALL PLANT PERSONNEL. WEAKNESSES WERE OBSERVED IN THE LARGE NUMBERS OF INTERIM AND TEMPORARY CHANGES EXISTING FOR MANY PLANT PROCEDURES, THE ABSENCE OF PLANT MANAGERS SERVING AS MEMBERS OF THE PLANT REVIEW COMMITTEE, AND USE OF SHIFT SUPERVISOR EMERGENCY MAINTENANCE WORK REQUESTS.
- + INSPECTION ON MAY 3 - 31, 1988 (REPORT NO. 50-312/88-15) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS AND IN PART BY A REGIONAL INSPECTOR, INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN, MAINTENANCE, SURVEILLANCE AND TESTING, REVIEW OF CONTROL ROD WORTH AND MODERATOR TEMPERATURE COEFFICIENT CALCULATIONS, AND FOLLOWUP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 1 - 7, 1988 (REPORT NO. 50-312/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-312/88-17) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, ALARA, FACILITIES AND EQUIPMENT, AND REVIEW OF LICENSEE REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN ONE AREA: TECHNICAL SPECIFICATION 6.9.2.1.2, FAILURE TO SUBMIT A REPORT. THE LICENSEE'S PROGRAM APPEARED ADEQUATE TO ACCOMPLISH THEIR SAFETY OBJECTIVES. THE LICENSEE'S PERFORMANCE, OVERALL, APPEARED TO BE IMPROVING.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-312/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-312/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 17, 1988 (REPORT NO. 50-312/88-20) AREAS INSPECTED: SPECIAL, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR TO REVIEW THE STATUS OF UNRESOLVED ITEM 50-312/88-07-01 RELATED TO A SKIN EXPOSURE OF A WORKER REPORTED BY THE LICENSEE ON FEBRUARY 4, 1988. THE INSPECTION INCLUDED REVIEW OF THE SMUD LETTER, DATED JUNE 9, 1983, AND REFERENCED EVALUATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED INVOLVING A FAILURE TO CONTROL LICENSED MATERIAL TO MAINTAIN THE DOSE TO THE SKIN OF A WORKER WITHIN THE REGULATORY LIMITS AND FAILURE TO PROVIDE AN INDIVIDUAL A REPORT ON HIS EXPOSURE DATA PURSUANT TO 10 CFR 20.409 (B).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

PLANT IS PERFORMING VARIOUS TESTING IN CONJUNCTION WITH STEPPED INCREASES TO COMMERCIAL OPERATION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT HAD BEEN SHUT DOWN SINCE DECEMBER 26, 1985. NUCLEAR REGULATORY COMMISSION APPROVAL FOR RESTART WAS OBTAINED ON MARCH 22, 1988. STARTUP COMMENCED MARCH 30, 1988.

NRC SALP BOARD MEETING WAS HELD ON AUGUST 12, 1986.

Report Period JUN 1988

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

X RANCHO SECO 1 X

OTHER ITEMS

PLANT STATUS:

THE PLANT IS CURRENTLY PERFORMING A GRADUAL APPROACH TO FULL POWER TEST PROGRAM. A TURBINE TRIP FROM APPROXIMATELY 25 PERCENT POWER WAS PERFORMED ON MAY 4, 1988. PLANT IS CURRENTLY AT A 40% POWER PLATEAU.

LAST IE SITE INSPECTION DATE: 06/27 - 07/01/88+

INSPECTION REPORT NO: 50-312/88-18+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07-10	04-28-88	05-26-88	TSLCO 3.7.2.H VIOL - INADEQ SURVEILLANCE RESULTING IN A BATTERY CHARGER INOPERABILITY
88-08-10	05-04-88	06-01-88	RX TRIP DUE TO HI RCS PRESSURE

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-458 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: R. H. MARTIN (504) 635-6094 X4836
4. Licensed Thermal Power (MWh): 2894
5. Nameplate Rating (Gross MWe): 2894
6. Design Electrical Rating (Net MWe): 936
7. Maximum Dependable Capacity (Gross MWe): 936
8. Maximum Dependable Capacity (Net MWe): 936
9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>22,583.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,199.7</u>	<u>15,913.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,142.3</u>	<u>14,674.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,038,151</u>	<u>11,576,292</u>	<u>37,046,176</u>
18. Gross Elec Ener (MWH)	<u>700,521</u>	<u>3,996,899</u>	<u>12,617,773</u>
19. Net Elec Ener (MWH)	<u>656,441</u>	<u>3,747,933</u>	<u>11,773,138</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.9</u>	<u>65.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.9</u>	<u>65.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>91.7</u>	<u>55.7</u>
23. Unit Cap Factor (DER Net)	<u>97.4</u>	<u>91.7</u>	<u>55.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.5</u>	<u>11.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>193.5</u>	<u>1,991.0</u>

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

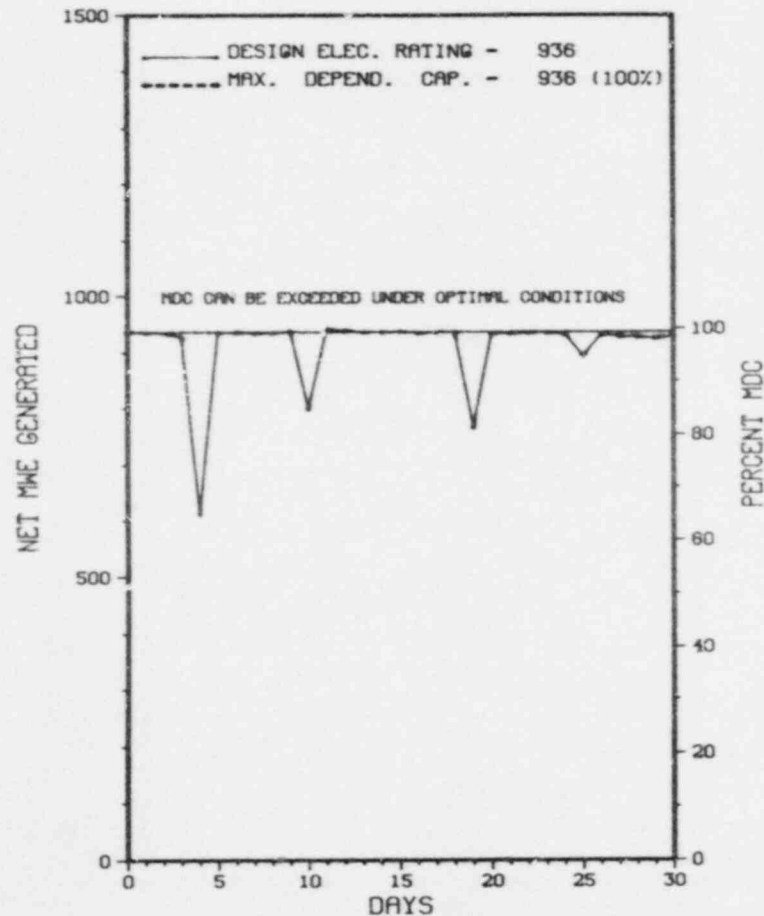
NONE

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

 * RIVER BEND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RIVER BEND 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X RIVER BEND 1 X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-10	06/03/88	S	0.0	A	5			REDUCED POWER TO 55% TO REPAIR CONDENSER TUBE LEAKS.

XXXXXXXXXXXX RIVER BEND 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS
* SUMMARY * STATED ABOVE.
XXXXXXXXXXXX

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)

* RIVER BEND 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....WEST FELICIANA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI NNW OF
BATON ROUGE, LA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 31, 1985
DATE ELEC ENER 1ST GENER...DECEMBER 3, 1985
DATE COMMERCIAL OPERATE....JUNE 16, 1986
CONDENSER COOLING METHOD...MDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GULF STATES UTILITIES
CORPORATE ADDRESS.....P.O. BOX 2951
BEAUMONT, LOUISIANA 77705

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....D. CHAMBERLAIN
LICENSING PROJ MANAGER....W. PAULSON
DOCKET NUMBER.....50-458
LICENSE & DATE ISSUANCE...NPF-47, NOVEMBER 20, 1985
PUBLIC DOCUMENT ROOM.....GOVERNMENT DOCUMENTS DEPARTMENT
TROY H. MIDDLETON LIBRARY
LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA 70803

INSPECTION STATUS

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 JUN 1982

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

XX
X RIVER BEND 1 X
XX

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: 50-261 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: V.E. FRAZIER (803) 383-4524 X 1220

4. Licensed Thermal Power (Mwt): 2300

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

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

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

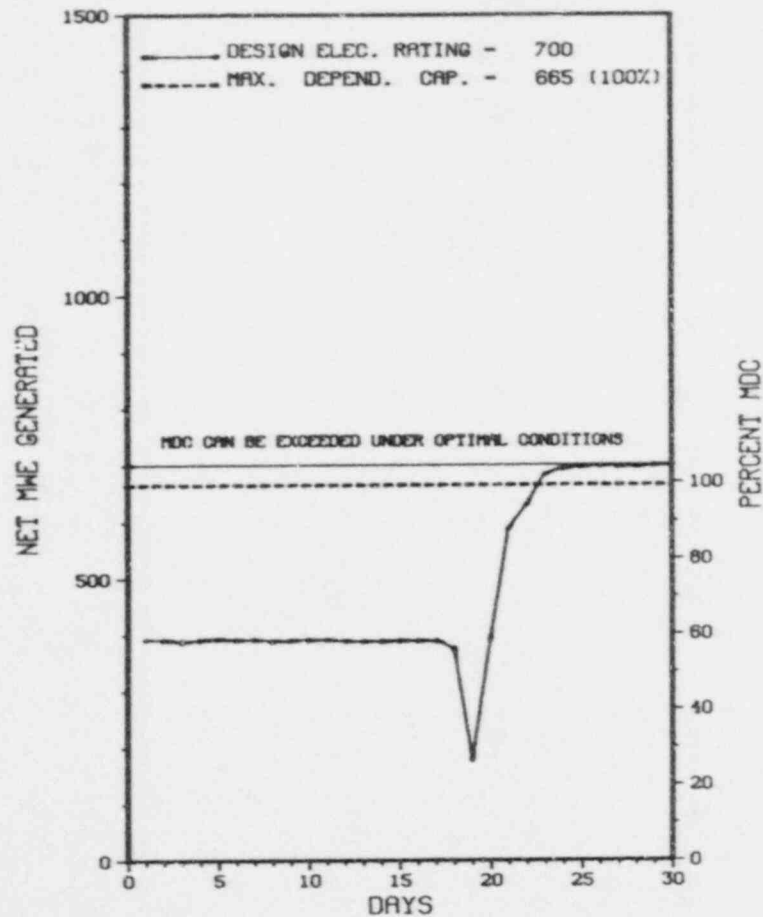
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>151,877.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,204.7</u>	<u>108,733.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,159.6</u>
15. Hrs Generator On-Line	<u>710.9</u>	<u>3,147.7</u>	<u>105,172.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,180,391</u>	<u>5,026,958</u>	<u>213,179,519</u>
18. Gross Elec Ener (MWH)	<u>366,699</u>	<u>1,606,875</u>	<u>68,990,212</u>
19. Net Elec Ener (MWH)	<u>344,577</u>	<u>1,504,022</u>	<u>65,181,951</u>
20. Unit Service Factor	<u>98.7</u>	<u>72.1</u>	<u>69.9</u>
21. Unit Avail Factor	<u>98.7</u>	<u>72.1</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>72.0</u>	<u>51.8</u>	<u>64.5</u>
23. Unit Cap Factor (DER Net)	<u>68.4</u>	<u>49.2</u>	<u>61.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>27.8</u>	<u>13.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,209.3</u>	<u>11,412.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUEL/MAINT - NOVEMBER 12, 1988 - 49 DAY DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* ROBTNSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X ROBINSON 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0601	06/19/88	S	9.1	B	1		HA	INSTRU	THE UNIT WAS TAKEN OFF-LINE AND MAINTAINED AT ZERO POWER TO PERFORM TURBINE REDUNDANT OVERSPEED TRIP SYSTEM (TROTS) TESTING. TROTS TESTING WAS COMPLETED, AND THE UNIT RETURNED TO SERVICE.

XXXXXXXXXX
 * SUMMARY *
 XXXXXXXXXXXXX
 ROBINSON 2 REMOVED THE ADMINISTRATIVE POWER RESTRICTION ON 6/20/88. SUBSEQUENTLY INCURRED 1 SCHEDULED OUTAGE IN JUNE FOR REASONS STATED 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)

* ROBINSON 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. KRUG
LICENSING PROJ MANAGER.....R. LO
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 MAY 11 - JUNE 9 (88-10): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, PHYSICAL PROTECTION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS, ONSITE REVIEW COMMITTEE, PREPARATION FOR REFUELING, AND ORGANIZATION AND ADMINISTRATION. ONE VIOLATION WAS IDENTIFIED: FAILURE TO IMPLEMENT AN ADEQUATE SURVEILLANCE PROCEDURE TO TEST TROTS IN ACCORDANCE WITH TS 4.1.1.

INSPECTION MAY 23-24 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED THE REVIEW OF PROCEDURES, RECCRDS, AND OPERATIONS FOR THE USE, CONTROL AND ACCOUNTABILITY OF SPECIAL NUCLEAR MATERIAL POSSESSED UNDER NRC LICENSE. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 7-10 (88-13): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) CONTROLS AND WORK ACTIVITIES FOR THE DRY SPENT FUEL STORAGE FACILITY, SEISMIC MONITORING PROGRAM AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS APPROPRIATE TO THE CIRCUMSTANCE IN THAT WORK REQUEST (W/R) 87-AMMY1 DID NOT INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE

ENFORCEMENT SUMMARY

ACCEPTANCE CRITERIA, RESULTING IN, AFTER COMPLETION OF W/R 87-AMMY1, SPRING HANGER 339 BEING FOUND WITH ONLY 3 ANCHOR BOLTS INSTALLED IN ITS ANCHOR PLATE.
(8800 4)

CONTRARY TO TS 6.5.1.1.1.E, EMERGENCY PLAN IMPLEMENTING PROCEDURE PEP-101 WAS NOT PROPERLY IMPLEMENTED IN THAT ON APRIL 30, 1988, THE RCS LEAK RATE EXCEEDED 10 GPM AT 12:10 P.M.; BUT AN UNUSUAL EVENT WAS NOT DECLARED UNTIL 6:10 P.M.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ NONE.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-261/88-19 +

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
88-011	05/12/88	06/11/88	AUTOMATIC REACTOR TRIP DUE TO TURBINE TRIP FROM TURBINE OVERSPEED PROTECTION.
88-013	05/16/88	06/15/88	SURVEILLANCE TEST EXCEEDED TECHNICAL SPECIFICATION TEST INTERVAL.

1. Docket: 50-272 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-3400

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

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 MWs):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>96,456.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,688.3</u>	<u>60,383.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,605.2</u>	<u>58,396.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,445,290</u>	<u>8,751,180</u>	<u>181,222,393</u>
18. Gross Elec Ener (MWH)	<u>818,230</u>	<u>2,938,960</u>	<u>60,131,248</u>
19. Net Elec Ener (MWH)	<u>785,534</u>	<u>2,795,692</u>	<u>57,192,401</u>
20. Unit Service Factor	<u>100.0</u>	<u>59.7</u>	<u>60.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>59.7</u>	<u>60.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.6</u>	<u>57.9</u>	<u>53.6</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>57.4</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>24.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>38.2</u>	<u>19,498.0</u>

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

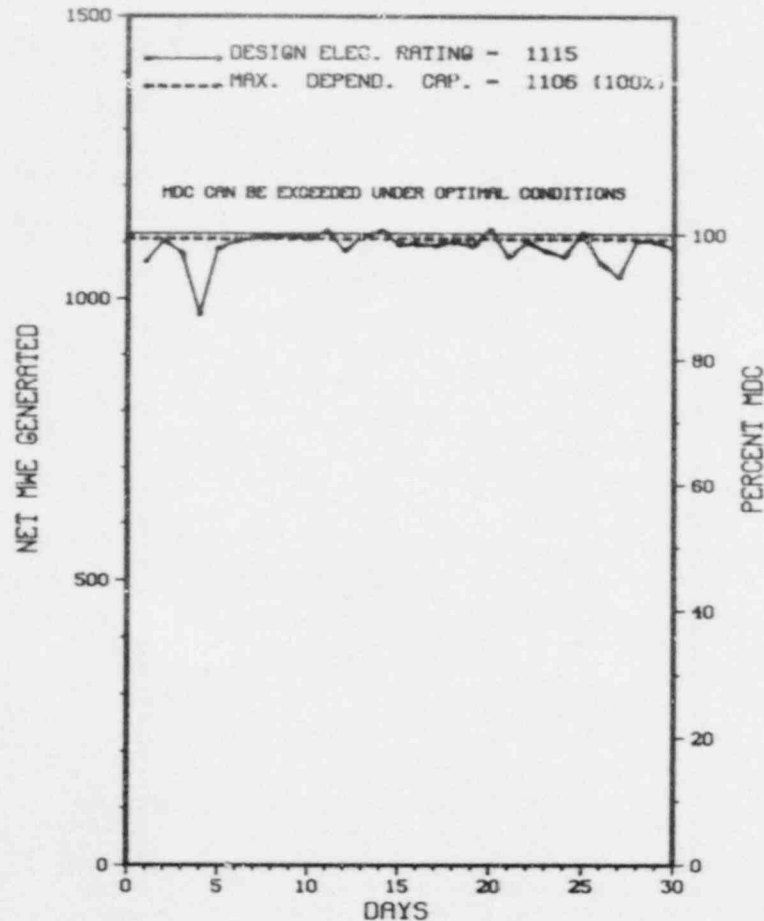
NONE

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

XX
 X SALEM 1 X
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



JUNE 1980

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0106	06/26/88	F	0.0	A	5		EA		HOPE CREEK POWER FEED TO CIRCULATORS.

* SUMMARY *

SALEM 1 INCURRED 1 POWER REDUCTION IN JUNE FOR REASONS STATED 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SALEM 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALCM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE....JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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
X                SALEM 1                X
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: 50-311 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-3400

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,357.0</u>	<u>58,872.0</u>
13. Hours Reactor Critical	<u>679.2</u>	<u>4,244.7</u>	<u>36,622.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>667.9</u>	<u>4,199.0</u>	<u>35,496.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,170,375</u>	<u>14,064,007</u>	<u>110,829,736</u>
18. Gross Elec Ener (MWH)	<u>711,750</u>	<u>4,679,310</u>	<u>36,308,780</u>
19. Net Elec Ener (MWH)	<u>680,317</u>	<u>4,487,465</u>	<u>34,506,933</u>
20. Unit Service Factor	<u>92.8</u>	<u>96.2</u>	<u>60.3</u>
21. Unit Avail Factor	<u>92.8</u>	<u>96.2</u>	<u>60.3</u>
22. Unit Cap Factor (MDC Net)	<u>85.4</u>	<u>92.9</u>	<u>53.0</u>
23. Unit Cap Factor (DER Net)	<u>86.7</u>	<u>92.2</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>7.2</u>	<u>3.8</u>	<u>30.6</u>
25. Forced Outage Hours	<u>52.1</u>	<u>168.0</u>	<u>15,685.9</u>

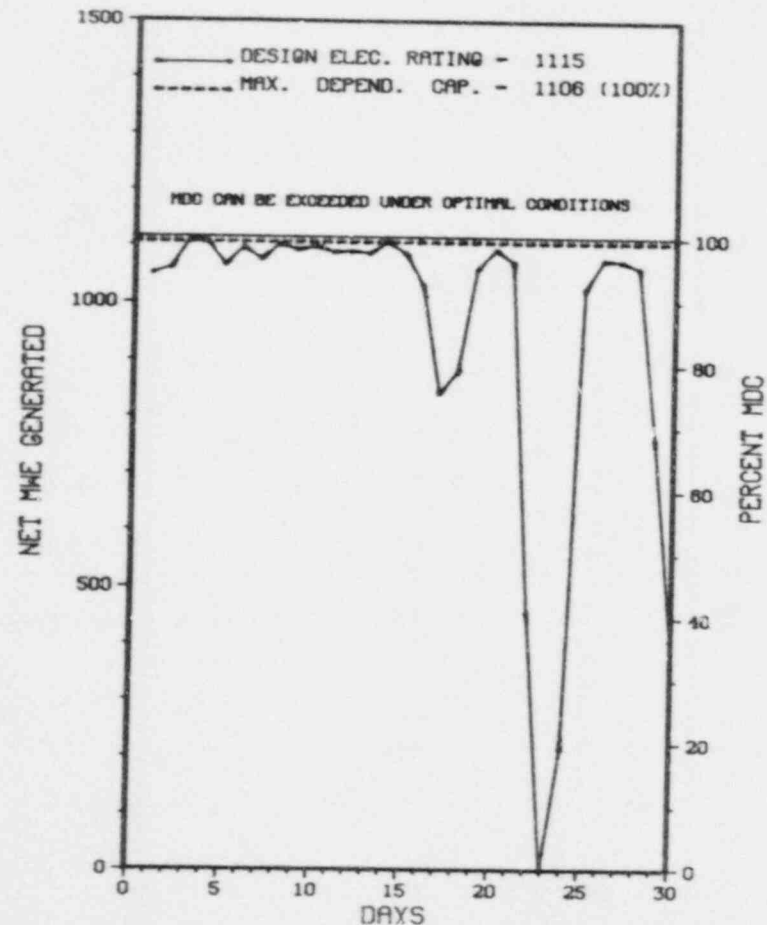
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 9/2/88 - 52 DAY DURATION.

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

XX
* SALEM 2 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SALEM 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0129	06/16/88	F	0.0	A	5		EA		13KV LINE HOPE CREEK FEED.
0130	06/17/88	F	0.0	A	5		EA		CIRCULATING WATER PUMPS 13KV FEED FROM HOPE CREEK.
0131	06/17/88	F	0.0	A	5		EA		CIRCULATING WATER PUMPS 13KV FEED FROM HOPE CREEK.
0137	06/22/88	F	48.8	A	3		EB		'C' VITAL BUS
0147	06/29/88	F	3.3	A	3		HA		TURB CONTROL SHUTDOWN EH 24 GOV VLV.
0149	06/29/88	F	0.0	A	5		RC		NUCLEAR FUEL LIMITS NEUTRON FLUX.
0150	06/30/88	F	0.0	A	5		RC		NUCLEAR FUEL LIMITS NEUTRON FLUX.

XXXXXXXXXX SALEM 2 INCURRED 2 FORCED OUTAGES AND 5 POWER REDUCTIONS IN
 X SUMMARY X JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXX

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

* SALEM 2 *

FACILITY DATA

Report Period JUN 1988

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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SALEM 2 X
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: 50-206 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

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:
SELF IMPOSED TO CONTROL S.G. TUBE CORROSION.

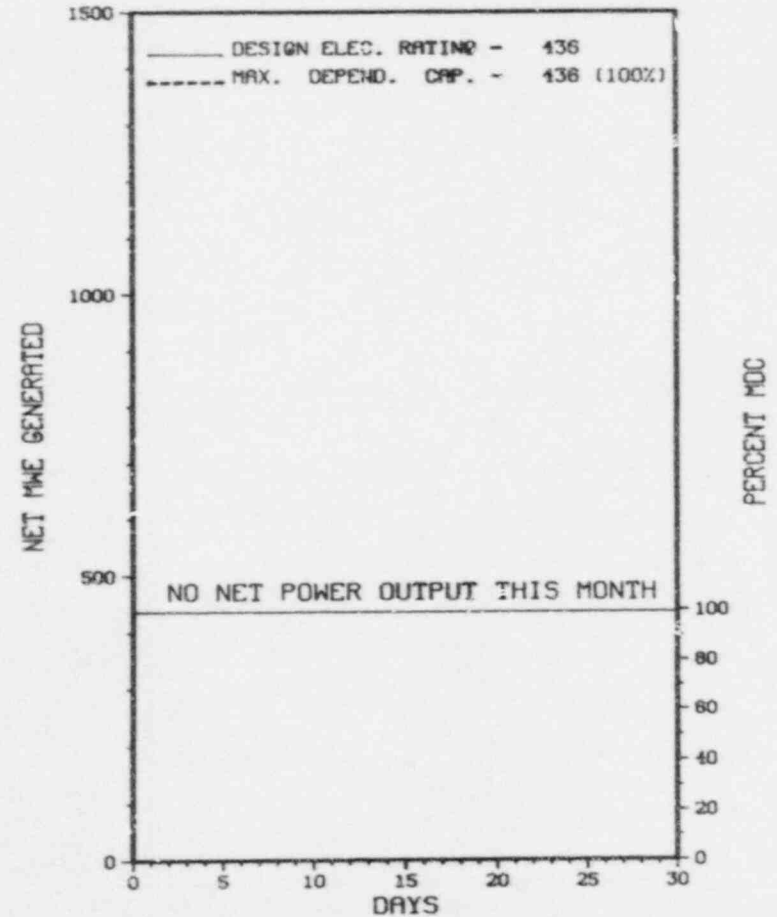
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>184,471.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,068.7</u>	<u>107,540.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,063.1</u>	<u>103,493.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,304,993</u>	<u>150,434,853</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>430,200</u>	<u>44,107,926</u>
19. Net Elec Ener (MWH)	<u>-1,468</u>	<u>398,683</u>	<u>41,641,948</u>
20. Unit Service Factor	<u>.0</u>	<u>24.3</u>	<u>56.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>24.3</u>	<u>56.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.9</u>	<u>51.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>20.9</u>	<u>51.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>19.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,140.4</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SAN ONOFRE 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SAN ONOFRE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X SAN ONOFRE 1 X
 XXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
118	03/28/88	S	720.0	H	4	88-001	BA	ISV	MID-CYCLE MAINTENANCE OUTAGE EXTENDED TO UPGRADE CERTAIN COMPONENTS IN ORDER TO MEET 10CFR 50.49 REQUIREMENTS.

XX
 X SUMMARY X
 XXX

SAN ONOFRE 1 REMAINED SHUTDOWN DURING JUNE DUE TO EXTENSION OF MID-CYCLE MAINTENANCE OUTAGE 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)

* SAN ONOFRE 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-206
LICENSE & DATE ISSUANCE...DPR-13, MARCH 27, 1967
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA. 92713

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

INSPECTION SUMMARY

+ INSPECTION ON APRIL 10 - MAY 21, 1988 (REPORT NO. 50-206/88-13) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF UNIT 1 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 REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: THE INSPECTORS NOTED SEVERAL EXAMPLES THAT INDICATED A NEED FOR IMPROVED OPERATOR AWARENESS AND ATTENTION TO DETAIL; THE INSPECTORS NOTED PROGRAMMATIC WEAKNESSES IN THE CONDUCT OF HYDROSTATIC TESTING; THE INSPECTORS NOTED AN EXAMPLE OF POOR WORK PRACTICE; AND THE INSPECTORS NOTED A WEAKNESS IN CONTROLLING THE STATUS OF CONTAINMENT PENETRATIONS. THE INSPECTORS IDENTIFIED THAT REFRIGERANT LEVELS WERE NOT BEING MONITORED ROUTINELY, AND APPROPRIATE ACCEPTANCE CRITERIA HAD NOT BEEN ESTABLISHED TO ENSURE OPERABILITY OF THE EMERGENCY CHILLERS.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-206/88-14) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS-SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATION PLAN; SECURITY EVENT FOLLOW-UP; FOLLOW-UP ITEMS FROM PREVIOUS SECURITY INSPECTIONS; FOLLOW-UP INFORMATION NOTICE NUMBER 87-64 AND INDEPENDENT INSPECTION EFFORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-206/88-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PLANT WATER CHEMISTRY CONTROL AND CHEMICAL ANALYSIS, RADIOCHEMICAL ANALYSIS, POST-ACCIDENT SAMPLING, QUALITY ASSURANCE OF PLANT CHEMISTRY ACTIVITIES, AND FOLLOWUP OF UNRESOLVED AND OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. WITHIN THE SCOPE OF THE INSPECTION, THE LICENSEE'S PROGRAM IN THE AREAS OF CHEMISTRY AND RADIOCHEMICAL ANALYSIS APPEARED ADEQUATE TO FULFILL ITS SAFETY FUNCTION. AN IMPROVING TREND WAS NOTED IN THE RESULTS OF RADIOLOGICAL CONFIRMATORY MEASUREMENTS. ONE FOLLOWUP ITEM WAS IDENTIFIED REGARDING THE ABSENCE OF CORRECTION FACTORS TO ACCOUNT FOR RADIOACTIVE DECAY ON PARTICULATE AND IODINE SAMPLING MEDIA DURING SAMPLING OF AIR AND GASEOUS EFFLUENT.

+ INSPECTION ON MAY 22 - JUNE 18, 1988 (REPORT NO. 50-206/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-206/88-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2 - JUNE 9, 1988 (REPORT NO. 50-206/88-18) AREAS INSPECTED: THIS WAS A SPECIAL, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON ITEMS OF NON-COMPLIANCE; UNRESOLVED AND OPEN ITEMS; IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS; AND ALLEGATION FOLLOW-UP; UNIT 1 - MAINTAINING EXPOSURES ALARA; AND THE INSPECTION INCLUDED TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ON FEBRUARY 25, 1988, SOUTHERN CALIFORNIA EDISON IDENTIFIED TO THE NRC THAT THEY HAD IDENTIFIED SOME ENVIRONMENTAL QUALIFICATION (EQ) PROBLEMS WITH VARIOUS COMPONENTS. THESE COMPONENTS WERE PRIMARILY SOLENOID VALVES IN THE AUXILIARY FEEDWATER, CHEMICAL AND VOLUME CONTROL, SAFETY INJECTION, AND CONTAINMENT ISOLATION SYSTEMS. IN A POSTULATED HARSH ENVIRONMENT, THESE COMPONENTS COULD BECOME INOPERABLE OR CAUSE SECONDARY ELECTRICAL PROBLEMS. THE LICENSEE IDENTIFIED THAT THESE DEFICIENCIES WOULD BE CORRECTED PRIOR TO STARTUP OR JUSTIFICATION WOULD BE PROVIDED FOR CONTINUED OPERATION.

DURING THE OUTAGE, THE LICENSEE ALSO IDENTIFIED THAT THE CALCULATED LOADS ON THE #1 AND #2 DIESEL GENERATORS EXCEED THEIR DESIGN CAPACITY. THE LICENSEE IDENTIFIED THAT THEY WOULD RESOLVE THIS DISCREPANCY PRIOR TO STARTUP.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

Report Period JUN 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SAN ONOFRE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

THE UNIT HAS REMAINED SHUT DOWN SINCE FEBRUARY 13, 1988, FOR A 45-DAY PLANNED MAINTENANCE OUTAGE (NO REFUELING). THE OUTAGE WAS EXTENDED TO RESOLVE THE ENVIRONMENTAL QUALIFICATION DEFICIENCIES IDENTIFIED ABOVE.

+ THE LICENSEE EXPECTS TO RETURN THE UNIT TO SERVICE BY THE END OF JULY.

LAST IE SITE INSPECTION DATE: 25 - 29/88+

INSPECTION REPORT NO: 50-206/86-17+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-02-10	03-17-88	04-15-88	TECH SPEC CONTINUOUS FIRE WATCH INTERRUPTED DUE TO UNADEQUATE POST ORDERS
88-05-10	03-29-88	04-28-88	TWO FIRE PROTECTION SYSTEM VALVES NOT INCLUDED IN THE TECH SPEC SURVEILLANCE PROGRAM
88-07-10	02-07-88	05-10-88	CENTER HOLDUP TANK CONTENTS RELEASED WITHOUT SAMPLING

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-561 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (MWT): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1070

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1070

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>42,936.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,917.6</u>	<u>29,710.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,880.0</u>	<u>29,065.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,421,699</u>	<u>12,928,666</u>	<u>93,895,089</u>
18. Gross Elec Ener (MWH)	<u>831,632</u>	<u>4,450,645</u>	<u>31,713,219</u>
19. Net Elec Ener (MWH)	<u>793,831</u>	<u>4,236,025</u>	<u>30,024,905</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.8</u>	<u>67.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.8</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>103.0</u>	<u>90.7</u>	<u>65.4</u>
23. Unit Cap Factor (DER Net)	<u>103.0</u>	<u>90.7</u>	<u>65.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,183.5</u>

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

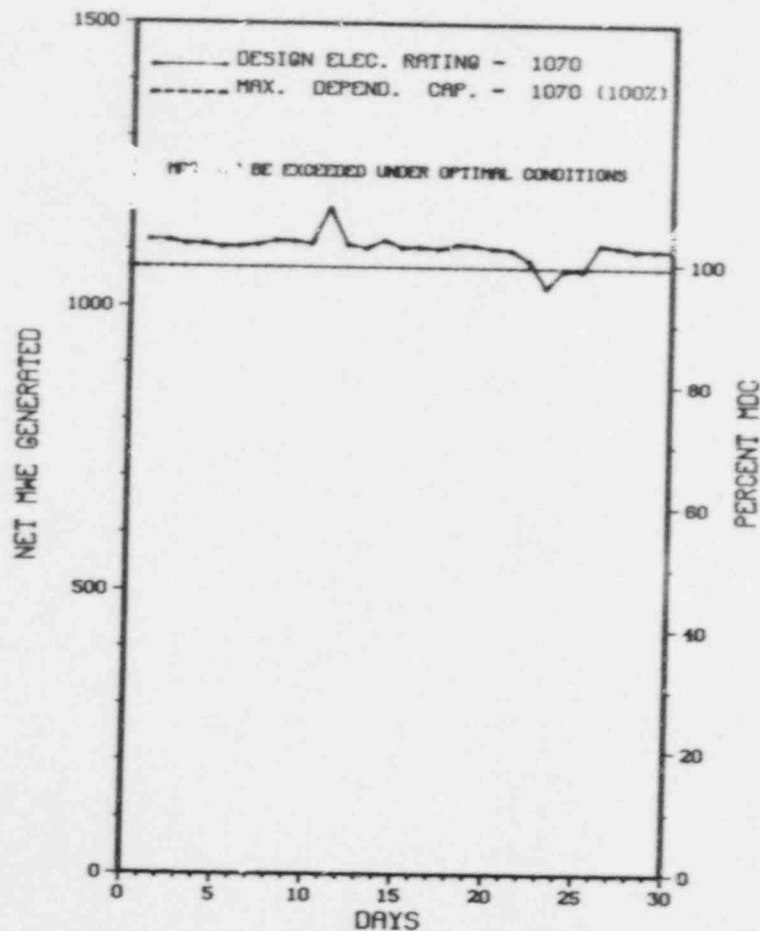
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SAM ONOFRE 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 2 *

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

NONE

 * SUMMARY *

 SAN ONOFRE 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
 SIGNIFICANT POWER REDUCTIONS.

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 (NCREG-0161)

* SAN ONOFRE 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER.....D. HICKMAN
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...NPF-10, SEPTEMBER 7, 1982
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA. 92713

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

INSPECTION SUMMARY

+ INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-361/88-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 10 - MAY 21, 1988 (REPORT NO. 50-361/88-11) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF UNIT 2 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 REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: THE INSPECTORS NOTED SEVERAL EXAMPLES THAT INDICATED A NEED FOR IMPROVED OPERATOR AWARENESS AND ATTENTION TO DETAIL; THE INSPECTORS NOTED PROGRAMMATIC WEAKNESSES IN THE CONDUCT OF HYDROSTATIC TESTING; THE INSPECTORS NOTED AN EXAMPLE OF POOR WORK PRACTICE; AND THE INSPECTORS NOTED A WEAKNESS IN CONTROLLING THE STATUS OF CONTAINMENT PENETRATIONS. THE INSPECTORS IDENTIFIED THAT REFRIGERANT LEVELS WERE NOT BEING MONITORED ROUTINELY, AND APPROPRIATE ACCEPTANCE CRITERIA HAD NOT BEEN ESTABLISHED TO ENSURE OPERABILITY OF THE EMERGENCY CHILLERS.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-361/88-12) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS-SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATION PLAN; SECURITY EVENT FOLLOW-UP; FOLLOW-UP ITEMS FROM PREVIOUS SECURITY INSPECTIONS; FOLLOW-UP INFORMATION NOTICE NUMBER 87-64 AND INDEPENDENT INSPECTION EFFORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 5- 12, 1988 (REPORT NO. 50-361/88-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-361/88-14) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PLANT WATER CHEMISTRY CONTROL AND CHEMICAL ANALYSIS, RADIOCHEMICAL ANALYSIS, POST-ACCIDENT SAMPLING, QUALITY ASSURANCE OF PLANT CHEMISTRY ACTIVITIES, AND FOLLOWUP OF UNRESOLVED AND OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. WITHIN THE SCOPE OF THE INSPECTION, THE LICENSEE'S PROGRAM IN THE AREAS OF CHEMISTRY AND RADIOCHEMICAL ANALYSIS APPEARED ADEQUATE TO FULFILL ITS SAFETY FUNCTION. AN IMPROVING TREND WAS NOTED IN THE RESULTS OF RADIOLOGICAL CONFIRMATORY MEASUREMENTS. ONE FOLLOWUP ITEM WAS IDENTIFIED REGARDING THE ABSENCE OF CORRECTION FACTORS TO ACCOUNT FOR RADIOACTIVE DECAY ON PARTICULATE AND IODINE SAMPLING MEDIA DURING SAMPLING OF AIR AND GASEOUS EFFLUENT.

+ INSPECTION ON MAY 22 - JUNE 18, 1988 (REPORT NO. 50-361/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-361/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2 - JUNE 9, 1988 (REPORT NO. 50-361/88-17) AREAS INSPECTED: THIS WAS A SPECIAL, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON ITEMS OF NON-COMPLIANCE; UNRESOLVED AND OPEN ITEMS; IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS; AND ALLEGATION FOLLOW-UP; UNIT 2 - MAINTAINING EXPOSURES ALARA; AND THE INSPECTION INCLUDED TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-361/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

N/AE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SAN ONOFRE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

+ UNIT 2 CONTINUED FULL POWER OPERATION DURING JUNE.

LAST IE SITE INSPECTION DATE: 07/25 - 29/88+

INSPECTION REPORT NO: 50-361/88-16+

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
68-07-10	02-23-88	03-23-88	CPIS MONITORS WERE FOUND TO BE NON-LIPUP AND WERE DECLARED TO BE INOPERABLE
88-08-10	03-30-88	04-29-88	COMPONENT COOLING WATER SYS LEAKAGE EXCEEDS DESIGN CRITERIA

=====

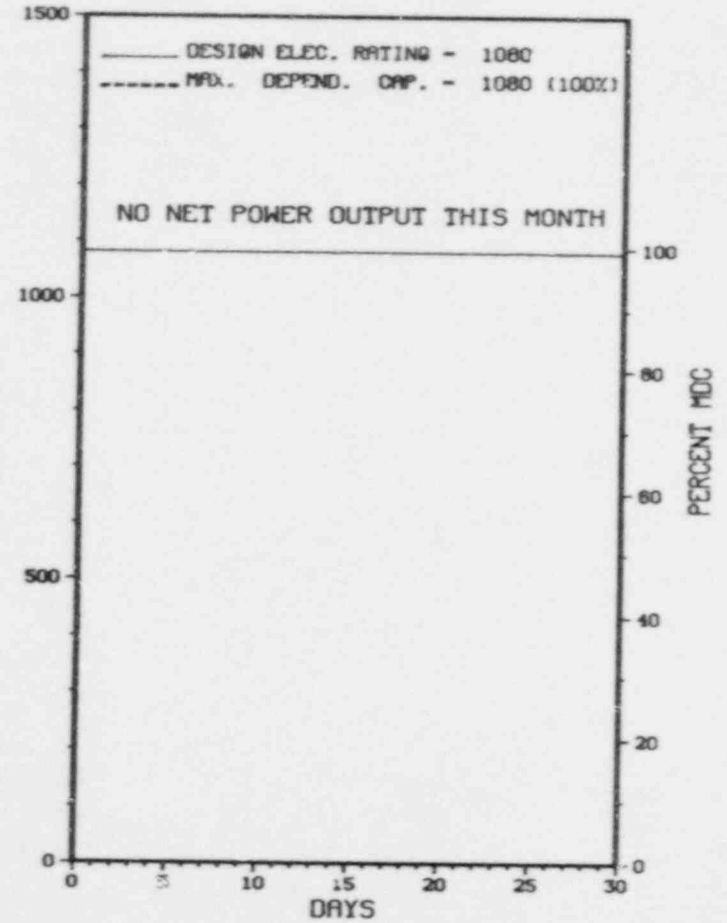
THIS PAGE INTENTIONALLY LEFT BLANK

XX
 X SAN ONOFRE 3 X
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3

1. Docket: 50-362 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: E. R. SIACOR (714) 368-6223
4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>4,567.0</u>	<u>37,247.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,632.3</u>	<u>26,354.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>.0</u>	<u>2,580.8</u>	<u>25,454.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,593,478</u>	<u>78,049,239</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,952,875</u>	<u>26,430,769</u>
19. Net Elec Ener (MWH)	<u>-3,930</u>	<u>2,788,547</u>	<u>24,876,213</u>
20. Unit Service Factor	<u>.0</u>	<u>59.1</u>	<u>68.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.1</u>	<u>68.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>59.1</u>	<u>61.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>59.1</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.4</u>	<u>9.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>299.8</u>	<u>2,708.6</u>

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

27. If Currently Shutdown Estimated Startup Date: 08/11/88

JUNE 1988

Report Period JUN 1987

UNIT SHUTDOWNS / REDUCTIONS

XX
X SAN ONOFRE 3 X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
41	04/30/86		720.0	C	4				CYCLE 4 REFUELING OUTAGE.

XXXXXXXXXXXX SAN ONOFRE 3 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED
X SUMMARY X REFUELING OUTAGE.
XXXXXXXXXXXX

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)

* SAN ONOFRE 3 *

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

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 29, 1983

DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983

DATE COMMERCIAL OPERATE...APRIL 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. HUEY

LICENSING PROJ MANAGER....D. HICKMAN
DOCKET NUMBER.....50-362

LICENSE & DATE ISSUANCE...NPF-15, NOVEMBER 15, 1982

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA. 92713

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

INSPECTION SUMMARY

+ INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-362/88-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 10 - MAY 21, 1988 (REPORT NO. 50-362/88-11) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF UNIT 3 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 REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: THE INSPECTORS NOTED SEVERAL EXAMPLES THAT INDICATED A NEED FOR IMPROVED OPERATOR AWARENESS AND ATTENTION TO DETAIL; THE INSPECTORS NOTED PROGRAMMATIC WEAKNESSES IN THE CONDUCT OF HYDROSTATIC TESTING; THE INSPECTORS NOTED AN EXAMPLE OF POOR WORK PRACTICE; AND THE INSPECTORS NOTED A WEAKNESS IN CONTROLLING THE STATUS OF CONTAINMENT PENETRATIONS. THE INSPECTORS IDENTIFIED THAT REFRIGERANT LEVELS WERE NOT BEING MONITORED ROUTINELY, AND APPROPRIATE ACCEPTANCE CRITERIA HAD NOT BEEN ESTABLISHED TO ENSURE OPERABILITY OF THE EMERGENCY CHILLERS.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-362/88-12) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS-SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATION PLAN; SECURITY EVENT FOLLOW-UP; FOLLOW-UP ITEMS FROM PREVIOUS SECURITY INSPECTIONS; FOLLOW-UP INFORMATION NOTICE NUMBER 87-64 AND INDEPENDENT INSPECTION EFFORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 2 - JUNE 3, 1988 (REPORT NO. 50-362/88-13) AREAS INSPECTED: A ROUTINE, ANNOUNCED INSPECTION OF UNIT 3 INSERVICE INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 5 - 12, 1988 (REPORT NO. 50-362/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-362/88-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PLANT WATER CHEMISTRY CONTROL AND CHEMICAL ANALYSIS, RADIOCHEMICAL ANALYSIS, POST-ACCIDENT SAMPLING, QUALITY ASSURANCE OF PLANT CHEMISTRY ACTIVITIES, AND FOLLOWUP OF UNRESOLVED AND OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 22 - JUNE 18, 1988 (REPORT NO. 50-362/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY - 25 - 29, 1988 (REPORT NO. 50-362/88-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 2 - JUNE 9, 1988 (REPORT NO. 50-362/88-18) AREAS INSPECTED: THIS WAS A SPECIAL, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON ITEMS OF NON-COMPLIANCE; UNRESOLVED AND OPEN ITEMS; IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS; ALLEGATION FOLLOW-UP; UNIT 3 - MAINTAINING EXPOSURES ALARA; AND OCCUPATIONAL EXPOSURES DURING OUTAGES; AND THE INSPECTION INCLUDED TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-362/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ IN ADDITION TO A NUMBER OF MINOR DELAYS, THE OUTAGE WAS EXTENDED APPROXIMATELY 17 DAYS IN ORDER TO INSPECT/REPAIR A SHUTDOWN COOLING ISOLATION VALVE AND A MAIN STEAM ISOLATION VALVE. THE INSPECTIONS WERE PERFORMED AS A RESULT OF DEFICIENCIES FOUND AT WATERFORD WITH VALVES OF THE SAME DESIGN. SOME DEFICIENCIES WERE FOUND, BUT THE VALVES WERE BELIEVED TO BE OPERABLE EVEN WITH THESE DEFICIENCIES.

+ THE RESIDENT INSPECTORS IDENTIFIED AN APPARENT SIPHON PATH FROM THE SPENT FUEL POOL OF UNIT 2 OR 3 SINCE THE SYSTEM WAS INSTALLED WITHOUT ANY ANTI-SIPHON FEATURES. THE LICENSEE WAS INVESTIGATING THE PROBLEM TO DETERMINE ANY NECESSARY CORRECTIVE ACTIONS.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

XX
X SAN ONOFRE 3 X
XX

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT WAS SHUT DOWN ON APRIL 29, 1988, FOR THE CYCLE FOUR REFUELING. THE LICENSEE EXPECTS TO RETURN THE UNIT TO SERVICE IN MID-AUGUST.

LAST IE SITE INSPECTION DATE: 07/25 - 29/88+

INSPECTION REPORT NO: 50-362/88-17+

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

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

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (MWh): 3611

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>61,368.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</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>.0</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>0</u>	<u>77,060,921</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,978,386</u>
19. Net Elec Ener (MWH)	<u>-5,819</u>	<u>-30,287</u>	<u>24,824,036</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>38.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>38.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>35.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>35.2</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>54.2</u>
25. Forced Outage Hours	<u>720.0</u>	<u>4,367.0</u>	<u>28,258.1</u>

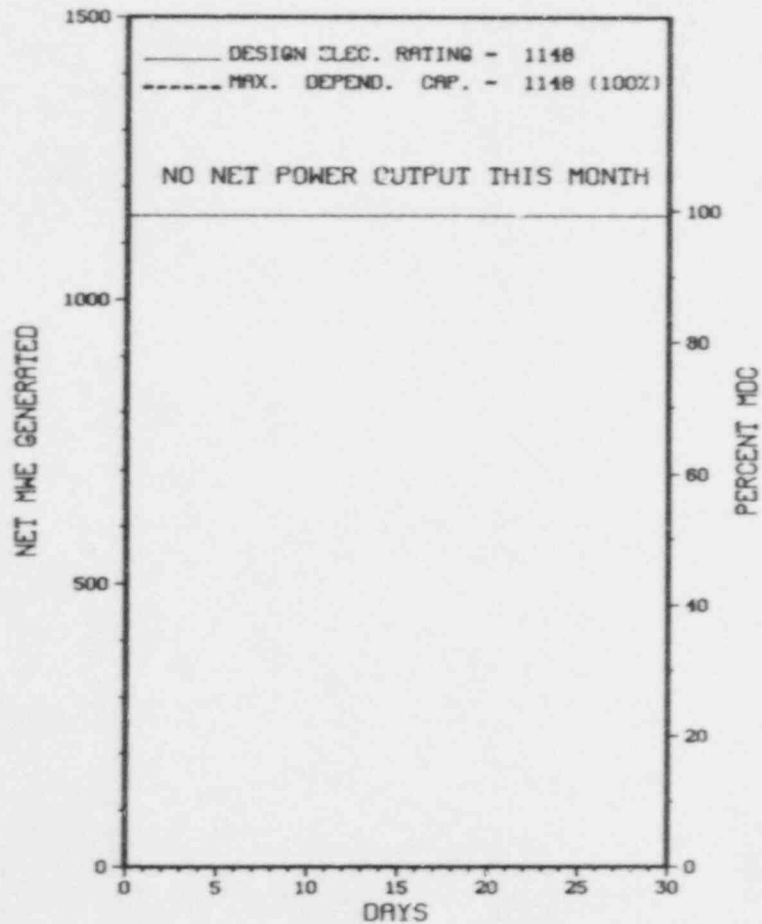
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SEQUOYAH 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SEQUOYAH 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/01/88	F	720.0	F	4				DESIGN CONTROL, CONFIGURATION UPDATING AND EMPLOYEE CONCERNS.

XXXXXXXXXX SEQUOYAH 1 REMAINED SHUTDOWN IN JUNE BECAUSE OF DESIGN CONTROL,
* SUMMARY * CONFIGURATION UPDATING AND EMPLOYEE CONCERNS.
XXXXXXXXXX

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 SEQUOYAH 1 X

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 5, 1980
DATE ELEC ENER 'ST GENER...JULY 22, 1980
DATE COMMERCIAL OPERATE...JULY 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....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.....E. MCKENNA
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 JANUARY 11-15 (88-10): THIS ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF EMPLOYEE CONCERNS, ELECTRIC COMPONENTS AND CABLES, AND STRUCTURAL SUPPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. OBSERVATIONS WERE MADE CONCERNING THE PROCEDURES FOR INSTALLING ELECTRICAL EQUIPMENT, SPACE HEATERS FOR DIESEL GENERATORS, FOLLOW-UP OF AN ITEM FROM A PREVIOUS VISIT AND AN EMPLOYEE CONCERN.

INSPECTION APRIL 3 - MAY 4 (88-26): THIS ANNOUNCED INSPECTION INVOLVED ONSHIFT AND ONSITE INSPECTIONS BY THE NRC RESTART TASK FORCE. THE MAJORITY OF INSPECTION EFFORT WAS EXPENDED IN THE AREAS OF CONTROL ROOM OBSERVATION AND OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, AND SAFEGUARDS AND HOUSEKEEPING INSPECTIONS. OTHER AREAS INSPECTED INCLUDED MAINTENANCE OBSERVATIONS, REVIEW OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF EVENTS, REVIEW OF LICENSEE IDENTIFIED ITEMS, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. DURING THIS PERIOD THERE WAS EXTENDED CONTROL ROOM AND PLANT ACTIVITY COVERAGE BY NRC INSPECTORS AND MANAGERS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO IMPLEMENT PROCEDURES ASSOCIATED WITH CONFIGURATION CONTROL, FIVE EXAMPLES WERE GIVEN. TWO UNRESOLVED ITEMS WERE IDENTIFIED: RESOLUTION OF OPERATOR WORK AREAS AND DEFINITION OF "AT THE CONTROLS"; AND RESOLUTION OF RCS LEAK RATE DETERMINATION PROCESS.

INSPECTION MAY 23-24 (88-30): THIS SPECIAL, ANNOUNCED INSPECTION WAS IN THE AREA OF PLANT CHEMISTRY. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-32): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS, COMPENSATORY

INSPECTION SUMMARY

MEASURES, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, AND DETECTION AIDS - PROTECTED AREA. TWO VIOLATIONS WERE IDENTIFIED IN THE AREAS OF ACCESS CONTROL-PERSONNEL AND COMPENSATORY MEASURES. THESE VIOLATIONS WERE DETERMINED TO BE LICENSEE-IDENTIFIED WITHIN THE MEANING OF THE NRC ENFORCEMENT POLICY (10 CFR PART 2, APPENDIX C) AND A NOTICE OF VIOLATION WAS NOT ISSUED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V AND DRAWINGS 47W470-4, AND 47B473 SHEETS 2, 5, AND 6, PRIOR TO MARCH 6, 1988, 16 POLAR CRANE WALL PENETRATIONS WERE NOT SEALED IN ACCORDANCE WITH THESE DESIGN DRAWINGS. CONTRARY TO TS 6.8.1, PRIOR TO MARCH 6, 1988, THE LICENSEE FAILED TO HAVE AN ADEQUATE PROCEDURE FOR PERIODIC INSPECTIONS OF THE SHIELD BUILDING PENETRATION FIRE BARRIER FOAM SEALS. FABRIC BOOT SLEEVES WERE INSTALLED DURING ORIGINAL PLANT CONSTRUCTION ON 53 OF THESE PENETRATIONS, FOR HYDRAULIC CONSIDERATIONS, MAKING THE FOAM FIRE BARRIERS INACCESSIBLE. SURVEILLANCE INSTRUCTION (SI) 233.1, "VISUAL INSPECTIONS OF PENETRATION FIRE BARRIERS-MECHANICAL SYSTEM 302 (PENETRATIONS)" AND ITS PREDECESSORS DID NOT REQUIRE REMOVAL OF THESE SLEEVES TO PERMIT FIRE BARRIER INSPECTION OR REQUIRE INSPECTION OF THE BARRIER FROM THE OPPOSITE SIDE OF THE WALL. AS A RESULT, THE LICENSEE HAD NOT MET THE REQUIREMENTS OF TS 4.7.12 FOR VISUAL INSPECTION OF FIRE BARRIER SEALS SINCE PLANT LICENSING. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V AND DRAWINGS 47W470-4, AND 47B473 SHEETS 2, 5, AND 6, PRIOR TO MARCH 6, 1988, 16 POLAR CRANE WALL PENETRATIONS WERE NOT SEALED IN ACCORDANCE WITH THESE DESIGN DRAWINGS. CONTRARY TO TS 6.8.1, PRIOR TO MARCH 6, 1988, THE LICENSEE FAILED TO HAVE AN ADEQUATE PROCEDURE FOR PERIODIC INSPECTIONS OF THE SHIELD BUILDING PENETRATION FIRE BARRIER FOAM SEALS. FABRIC BOOT SLEEVES WERE INSTALLED DURING ORIGINAL PLANT CONSTRUCTION ON 53 OF THESE PENETRATIONS, FOR HYDRAULIC CONSIDERATIONS, MAKING THE FOAM FIRE BARRIERS INACCESSIBLE. SURVEILLANCE INSTRUCTION (SI) 233.1, "VISUAL INSPECTIONS OF PENETRATION FIRE BARRIERS-MECHANICAL SYSTEM 302 (PENETRATIONS)" AND ITS PREDECESSORS DID NOT REQUIRE REMOVAL OF THESE SLEEVES TO PERMIT FIRE BARRIER INSPECTION OR REQUIRE INSPECTION OF THE BARRIER FROM THE OPPOSITE SIDE OF THE WALL. AS A RESULT, THE LICENSEE HAD NOT MET THE REQUIREMENTS OF TS 4.7.12 FOR VISUAL INSPECTION OF FIRE BARRIER SEALS SINCE PLANT LICENSING.

(8801 9)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 5.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-327/88-35 +

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-020	05/12/88	06/09/88	UNANALYZED SINGLE FAILURE COULD CAUSE INADVERTENT ACTUATION OF THE COLD OVERPRESSURE PROTECTION SYSTEM DURING A POSTULATED MSLB RESULTING IN OPERATION OUTSIDE THE DESIGN BASIS.
88-021	05/23/88	06/09/88	IMPROPER VALVE ALIGNMENT CAUSED BY POOR COMMUNICATIONS RESULTS IN A LOSS OF REACTOR COOLANT WATER INVENTORY, RHR PUMP CAVITATION, AND LOSS OF RHR COOLING.
88-022	05/24/88	06/16/88	REACTOR TRIP SIGNALS GENERATED FROM ELECTROMAGNETIC INTERFERENCE CAUSED BY WELDING MACHINE OPERATED NEAR SOURCE RANGE NUCLEAR INSTRUMENT CABLING.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>53,328.0</u>
13. Hours Reactor Critical	<u>404.2</u>	<u>785.1</u>	<u>22,769.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>514.8</u>	<u>680.8</u>	<u>22,175.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>820,272</u>	<u>1,600,276</u>	<u>70,728,950</u>
18. Gross Elec Ener (MWH)	<u>265,390</u>	<u>514,930</u>	<u>24,051,710</u>
19. Net Elec Ener (MWH)	<u>240,870</u>	<u>417,026</u>	<u>22,925,172</u>
20. Unit Service Factor	<u>43.7</u>	<u>15.6</u>	<u>41.6</u>
21. Unit Avail Factor	<u>43.7</u>	<u>15.6</u>	<u>41.6</u>
22. Unit Cap Factor (MDC Net)	<u>29.1</u>	<u>8.3</u>	<u>37.4</u>
23. Unit Cap Factor (DER Net)	<u>29.1</u>	<u>8.3</u>	<u>37.4</u>
24. Unit Forced Outage Rate	<u>56.3</u>	<u>84.4</u>	<u>54.3</u>
25. Forced Outage Hours	<u>405.2</u>	<u>3,684.8</u>	<u>26,328.1</u>

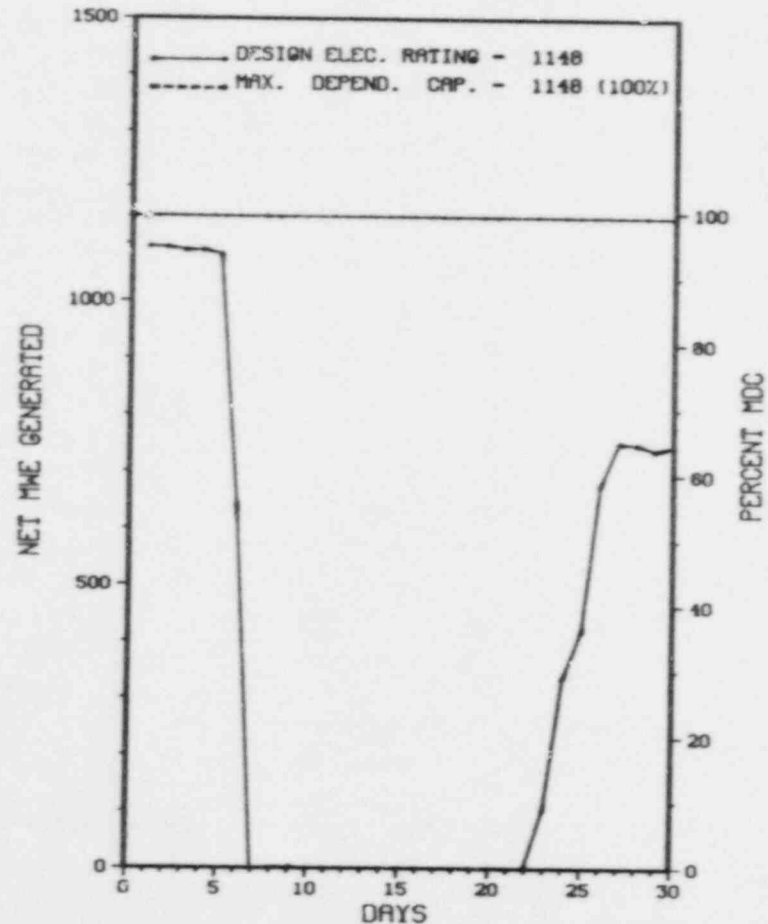
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

XX
X SEQUOYAH 2 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SEQUOYAH 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
7	06/06/88	F	46.6	A	3	2-88027		LOW FLOW NO. 4 S/G WHILE PERFORMING A TEST. A DIODE WAS MISSING IN THE CIRCUITRY
8	06/08/88	F	15.2	F	3	2-88028		LO-LO NO. 2 S/G. MORE EXPERIENCED OPERATORS WERE NEEDED TO ASSIST THE LESS EXPERIENCED IN KING STARTUP.
	06/09/88	F	343.4	A	3	2-88028		LO-LO NO. 2 S/G. VARIOUS VALVES TO THE FEEDWATER HEATERS ISOLATED, CAUSING A LOSS OF FLOW.

XXXXXXXXXXXX SEQUOYAH 2 INCURRED 3 FORCED OUTAGES IN JUNE FOR REASONS STATED
 * SUMMARY * ABOVE.
 XXXXXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SEQUOYAH 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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 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.....E. MCKENNA
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 JANUARY 11-15 (88-10): THIS ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF EMPLOYEE CONCERNS, ELECTRIC COMPONENTS AND CABLES, AND STRUCTURAL SUPPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. OBSERVATIONS WERE MADE CONCERNING THE PROCEDURES FOR INSTALLING ELECTRICAL EQUIPMENT, SPACE HEATERS FOR DIESEL GENERATORS, FOLLOW-UP OF AN ITEM FROM A PREVIOUS VISIT AND AN EMPLOYEE CONCERN.

INSPECTION APRIL 3 - MAY 4 (88-26): THIS ANNOUNCED INSPECTION INVOLVED ONSHIFT AND ONSITE INSPECTIONS BY THE NRC RESTART TASK FORCE. THE MAJORITY OF INSPECTION EFFORT WAS EXPENDED IN THE AREAS OF CONTROL ROOM OBSERVATION AND OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, AND SAFEGUARDS AND HOUSEKEEPING INSPECTIONS. OTHER AREAS INSPECTED INCLUDED MAINTENANCE OBSERVATIONS, REVIEW OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF EVENTS, REVIEW OF LICENSEE IDENTIFIED ITEMS, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. DURING THIS PERIOD THERE WAS EXTENDED CONTROL ROOM AND PLANT ACTIVITY COVERAGE BY NRC INSPECTORS AND MANAGERS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO IMPLEMENT PROCEDURES ASSOCIATED WITH CONFIGURATION CONTROL, FIVE EXAMPLES WERE GIVEN. TWO UNRESOLVED ITEMS WERE IDENTIFIED: RESOLUTION OF OPERATOR WORK AREAS AND DEFINITION OF "AT THE CONTROLS"; AND RESOLUTION OF RCS LEAK RATE DETERMINATION PROCESS.

INSPECTION MAY 23-24 (88-30): THIS SPECIAL, ANNOUNCED INSPECTION WAS IN THE AREA OF PLANT CHEMISTRY. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-32): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS, COMPENSATORY

Report Period JUN 1988

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

XX
X SEQUOYAH 2 X
XX

INSPECTION SUMMARY

MEASURES, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, AND DETECTION AIDS - PROTECTED AREA. TWO VIOLATIONS WERE IDENTIFIED IN THE AREAS OF ACCESS CONTROL-PERSONNEL AND COMPENSATORY MEASURES. THESE VIOLATIONS WERE DETERMINED TO BE LICENSEE-IDENTIFIED WITHIN THE MEANING OF THE NRC ENFORCEMENT POLICY (10 CFR PART 2, APPENDIX C) AND A NOTICE OF VIOLATION WAS NOT ISSUED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 5.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-328/88-35 +

Report Period JUN 1988

REPORTS FROM LICENSEE

XX
X SEQUOYAH 2 X
XX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-021	05/04/88	05/26/88	UNQUALIFIED BUTT SPLICE FOUND ON A STEAM GENERATOR LEVEL TRANSPARENT PROTECTIVE DEVICES BEFORE ENTRY INTO MODE 4 CAUSED BY AN INCORRECT INTERPRETATION OF THE TS BASES.
88-023	05/19/88	06/14/88	REACTOR TRIP ON STEAM/FEEDWATER FLOW MISMATCH COINCIDENT WITH LOW STEAM GENERATOR LEVEL DUE TO PLUGGED SIGHT GLASS.
88-024	05/23/88	06/17/88	REACTOR TRIP RESULTING FROM LOW REACTOR COOLANT SYSTEM FLOW SIGNAL CAUSED BY A PROCEDURE NONCOMPLIANCE.
88-025	06/03/88	06/16/88	FAILURE TO COMPLY WITH A TECHNICAL SPECIFICATION ACTION STATEMENT FOR DIESEL GENERATORS OPERABILITY VERIFICATION RESULTED IN AN INADVERTENT ENTRY INTO TS 3.0.3.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-498 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: C.A. AYALA (512) 972-8628

4. Licensed Thermal Power (MWT): 3800

5. Nameplate Rating (Gross MWe): _____

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1250

8. Maximum Dependable Capacity (Net MWe): 1250

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

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

11. Reasons for Restrictions, If Any: _____

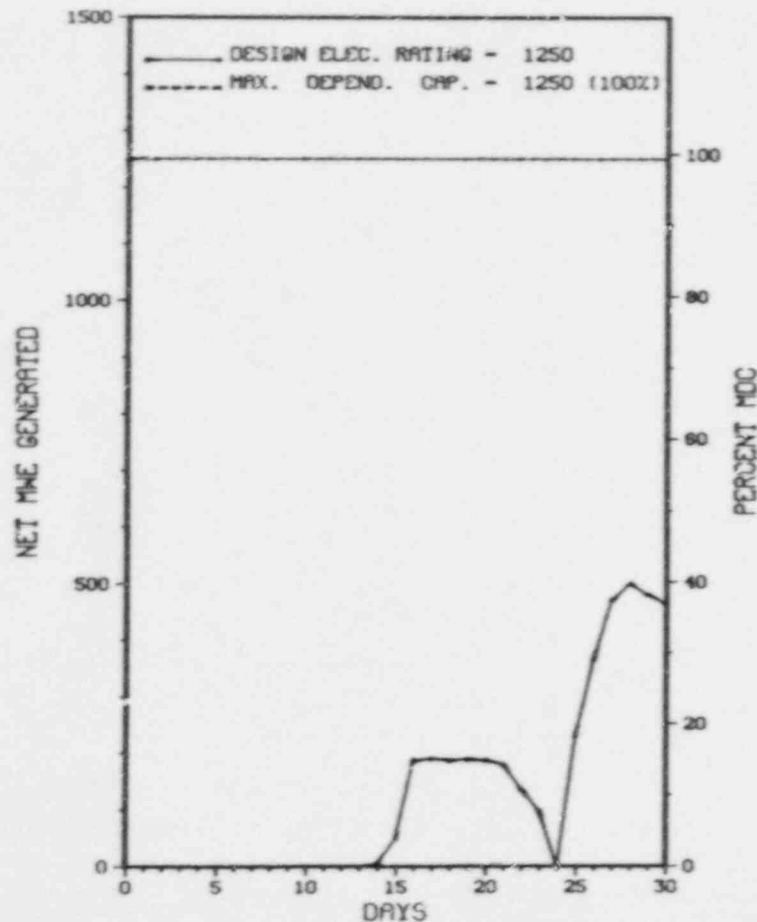
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>2,222.1</u>	<u>2,222.1</u>
13. Hours Reactor Critical	<u>397.1</u>	<u>1,192.8</u>	<u>1,192.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>358.3</u>	<u>1,039.1</u>	<u>1,039.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>943,688</u>	<u>1,151,935</u>	<u>1,151,935</u>
18. Gross Elec Ener (MWH)	<u>117,510</u>	<u>308,073</u>	<u>308,073</u>
19. Net Elec Ener (MWH)	<u>76,943</u>	<u>184,515</u>	<u>184,515</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>328.8</u>	<u>607.2</u>	<u>607.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>INST. INSPECTION-SEPTEMBER 1988 - 7 DAY DURATION.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * SOUTH TEXAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SOUTH TEXAS 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X SOUTH TEXAS 1 X
 XX

No.	Date	Type	Hours	Reason	Method	LCR Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-09	05/25/88	F	311.0	A	4		SJ	P	STEAM GENERATOR FEED PUMP FAILURE WHILE PERFORMING LOSS OF OFFSITE POWER TEST. DESIGN MODIFICATIONS TO FEEDPUMPS ARE BEING IMPLEMENTED.
88-10	06/14/88	F	17.8	A	9		SB	TMR	TURBINE TRIP WHEN STATOR COOLING WATER FILTER DIFFERENTIAL PRESSURE SETPOINT AND ASSOCIATED TIME DELAY DID NOT PERMIT PLACING FILTER IN SERVICE WITHOUT GENERATING TRIP SIGNAL. DESIGN MODIFICATION IS BEING PURSUED. (RX CRITICAL)
88-11	06/21/88	F	0.0	B	5		SJ	P	STEAM GENERATOR FEED PUMP HIGH PRESSURE STOP VALVE LEAKOFF LINE SPOOL REMOVAL TO PERMIT INSTALLATION OF MANUAL ISOLATION VALVES. (RX CRITICAL)
88-12	06/23/88	S	32.9	B	1		JC	PL	SHUTDOWN FROM OUTSIDE THE CONTROL ROOM TEST.

XXXXXXXXXXXX SOUTH TEXAS ENTERED JUNE IN AN OUTAGE. SUBSEQUENTLY INCURRED
 * SUMMARY * 2 OUTAGES AND 1 LOAD REDUCTION FOR REASONS STATED ABOVE.
 XXXXXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SOUTH TEXAS 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....TEXAS
COUNTY.....MATAGORDA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SSK OF
BAY CITY, TEX
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 8, 1988
DATE ELEC ENER 1ST GENER...MARCH 30, 1988
DATE COMMERCIAL OPERATE ...XXXXXXXXXXXXXXXXXXXX
CONDENSER COOLING METHOD...CC
CONDENSER COOLING WATER...COLORADO RIVER
ELECTRIC RELIABILITY
COUNCIL.....ELECTRIC RELIABILITY
COUNCIL OF TEXAS

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....HOUSTON LIGHTING & POWER COMPANY
CORPORATE ADDRESS.....P.O BOX 1700
HOUSTON, TEXAS 77001
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....C. JOHNSON
LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-498
LICENSE & DATE ISSUANCE...NPF-76, MARCH 22, 1988
PUBLIC DOCUMENT ROOM.....GLEN ROSE-SOMERVELL LIBRARY
BERNARD AND HIGHWAY 144
P.O. BOX 417
GLEN ROSE, TX. 76043

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 JUN 1988

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

```

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X           SOUTH TEXAS 1             X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
  
```

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: 50-335 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (MWh): 2700

5. Nameplate Gross MWe: 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 872

8. Maximum Dependable Capacity (Net MWe): 839

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>101,039.0</u>
13. Hours Reactor Critical	<u>701.8</u>	<u>4,327.9</u>	<u>76,879.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>701.8</u>	<u>4,321.8</u>	<u>75,292.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,878,506</u>	<u>11,607,825</u>	<u>192,953,462</u>
18. Gross Elec Ener (MWH)	<u>616,860</u>	<u>3,886,220</u>	<u>63,409,805</u>
19. Net Elec Ener (MWH)	<u>584,591</u>	<u>3,690,524</u>	<u>59,882,113</u>
20. Unit Service Factor	<u>97.5</u>	<u>99.0</u>	<u>74.5</u>
21. Unit Avail Factor	<u>97.5</u>	<u>99.0</u>	<u>74.6</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>100.7</u>	<u>70.6</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>101.8</u>	<u>71.4</u>
24. Unit Forced Outage Rate	<u>2.5</u>	<u>1.0</u>	<u>3.8</u>
25. Forced Outage Hours	<u>18.2</u>	<u>45.2</u>	<u>2,986.1</u>

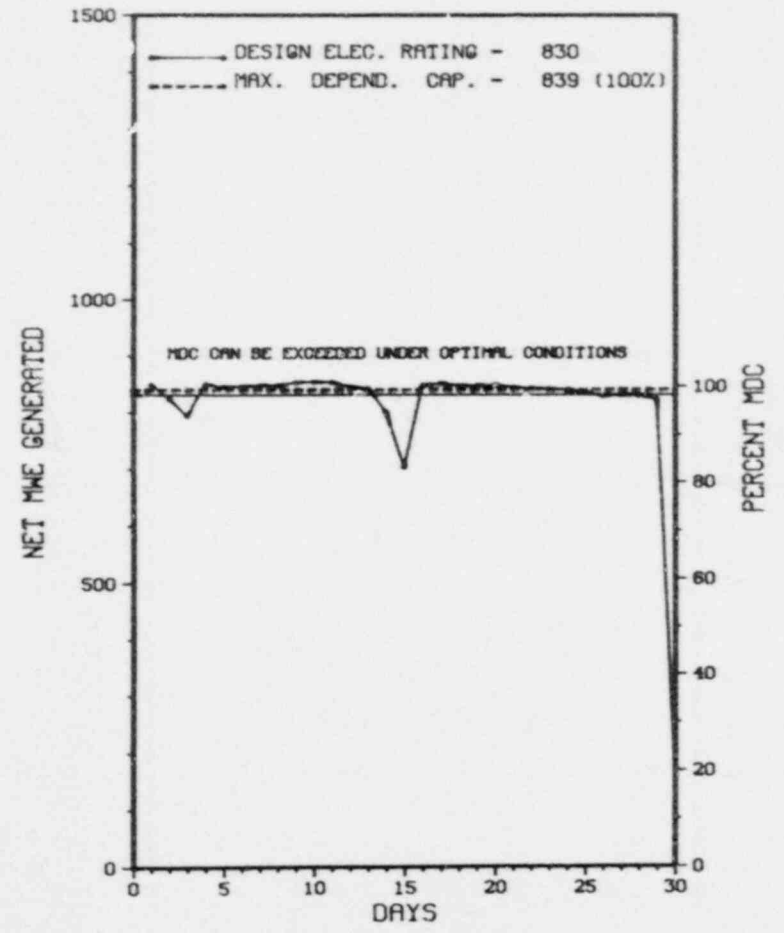
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 7/23/88 - 63 DAY DURATION.

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

XX
* ST LUCIE 1 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * ST LUCIE 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02	06/30/88	F	18.2	A	3	335/88-04	HH	RELAYX	UNIT NO. 1 WAS OPERATING AT 100% POWER WHEN THE REACTOR TRIPPED ON HIGH-PRESSURIZER PRESSURE. THE TRIP WAS CAUSED BY A SPURIOUS ACTUATION OF THE CURRENT BALANCE RELAY ASSOCIATED WITH THE 1B CONDENSATE PUMP. THE RELAY WAS REPLACED AND THE UNIT RETURNED TO FULL POWER OPERATION.

XXXXXXXXXXXX ST. LUCIE 1 INCURRED 1 FORCED OUTAGE IN JUNE FOR REASONS
 * SUMMARY *
 XXXXXXXXXXXXXXX STATED ABOVE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 22, 1976
DATE ELEC ENER 1ST GENER...MAY 7, 1976
DATE COMMERCIAL OPERATE...DECEMBER 21, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....E. TOURIGNY
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 APRIL 10 - MAY 5 (88-07): THIS INSPECTION INVOLVED ON SITE ACTIVITIES 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, AND 10 CFR INSPECTIONS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING 10 CFR 50.59 REVIEWS.

INSPECTION MAY 16-20 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSES. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 23-26 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREA OF SPECIAL NUCLEAR MATERIAL CONTROL AND ACCOUNTING. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 16-20 (88-12); THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PROGRAM AUDIT; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; TRAINING AND QUALIFICATION; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 31 - JUNE 3 (88-13): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF TEST OF PUMPS AND VALVES INCLUDING SELECTED PROCEDURE REVIEWS, OBSERVATION OF WORK ACTIVITIES, SURVEILLANCE TEST RESULTS, AND EQUIPMENT CALIBRATION

Report Period JUN 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ST LUCIE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

RECORDS; ACTIVITIES ASSOCIATED WITH NRC BULLETIN 87-02 (TI 2500/26); AND ACTION ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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: JULY 15, 1988 +

INSPECTION REPORT NO: 50-335/88-16 +

REPORTS FROM LICENSEE

=====

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

NONE.

=====

1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (MWT): 2700

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 882

8. Maximum Dependable Capacity (Net MWe): 839

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>42,936.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>37,124.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>36,404.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,924,254</u>	<u>11,723,354</u>	<u>94,719,996</u>
18. Gross Elec Ener (MWH)	<u>637,000</u>	<u>3,930,540</u>	<u>31,629,200</u>
19. Net Elec Ener (MWH)	<u>604,012</u>	<u>3,731,466</u>	<u>29,899,254</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.8</u>
22. Unit Cap Factor (MDC Net)	<u>100.0</u>	<u>101.8</u>	<u>83.0</u>
23. Unit Cap Factor (DER Net)	<u>101.1</u>	<u>102.9</u>	<u>83.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,511.7</u>

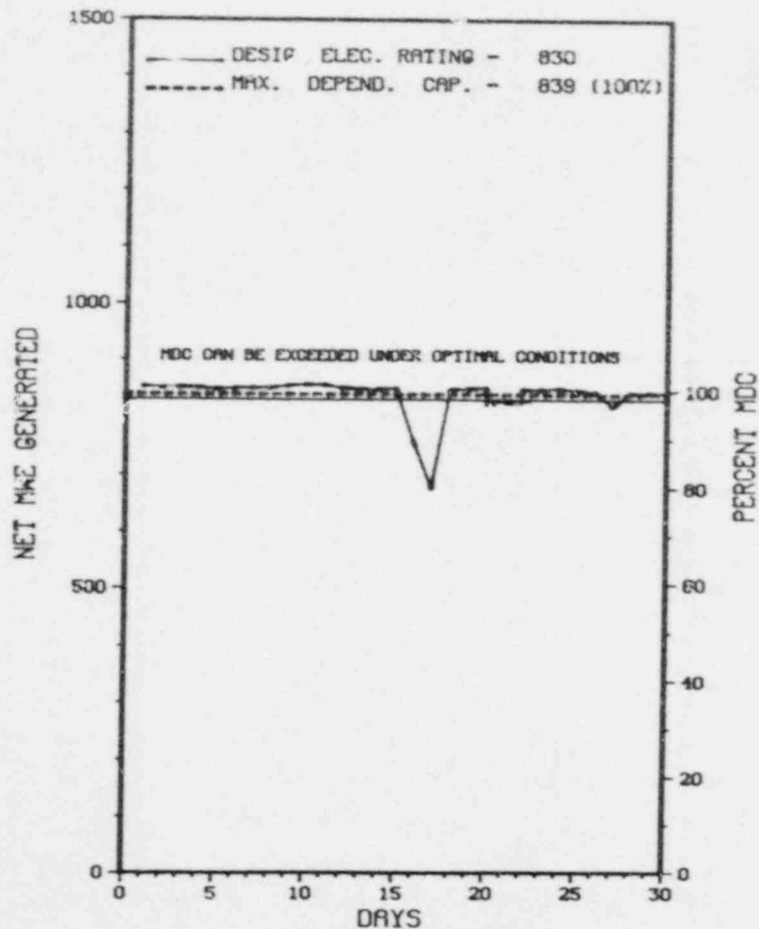
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ST LUCIE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ST LUCIE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX ST. LUCIE 2 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES OR
* SUMMARY * SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

* ST LUCIE 2 *

FACILITY DATA

Report Period JUN 1988

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.....E. TOURIGNY
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 APRIL 10 - MAY 5 (88-07): THIS INSPECTION INVOLVED ON SITE ACTIVITIES 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, AND 10 CFR INSPECTIONS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING 10 CFR 50.59 REVIEWS.

INSPECTION MAY 16-20 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR INPLANT RADIOCHEMICAL ANALYSES. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 23-26 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREA OF SPECIAL NUCLEAR MATERIAL CONTROL AND ACCOUNTING. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 16-20 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PROGRAM AUDIT; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; TRAINING AND QUALIFICATION; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 31 - JUNE 3 (88-13): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF TEST OF PUMPS AND VALVES INCLUDING SELECTED PROCEDURE REVIEWS, OBSERVATION OF WORK ACTIVITIES, SURVEILLANCE TEST RESULTS, AND EQUIPMENT CALIBRATION

INSPECTION SUMMARY

RECORDS; ACTIVITIES ASSOCIATED WITH NRC BULLETIN 87-02 (TI 2500/26); AND ACTION ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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: JULY 15, 1988 +

INSPECTION REPORT NO: 50-389/88-16 +

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: 50-395 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. W. HALTIWANGER (803) 345-5209

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 885

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>39,431.0</u>
13. Hours Reactor Critical	<u>508.8</u>	<u>4,104.6</u>	<u>30,773.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>491.1</u>	<u>4,074.7</u>	<u>30,202.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,275,619</u>	<u>10,986,875</u>	<u>79,770,555</u>
18. Gross Elec Ener (MWH)	<u>413,330</u>	<u>3,651,990</u>	<u>26,481,403</u>
19. Net Elec Ener (MWH)	<u>388,268</u>	<u>3,492,937</u>	<u>25,232,520</u>
20. Unit Service Factor	<u>68.2</u>	<u>93.3</u>	<u>76.6</u>
21. Unit Avail Factor	<u>68.2</u>	<u>93.3</u>	<u>76.6</u>
22. Unit Cap Factor (MDC Net)	<u>60.9</u>	<u>90.4</u>	<u>72.3</u>
23. Unit Cap Factor (DER Net)	<u>59.9</u>	<u>88.9</u>	<u>71.1</u>
24. Unit Forced Outage Rate	<u>31.8</u>	<u>6.7</u>	<u>6.5</u>
25. Forced Outage Hours	<u>228.9</u>	<u>292.3</u>	<u>2,115.4</u>

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

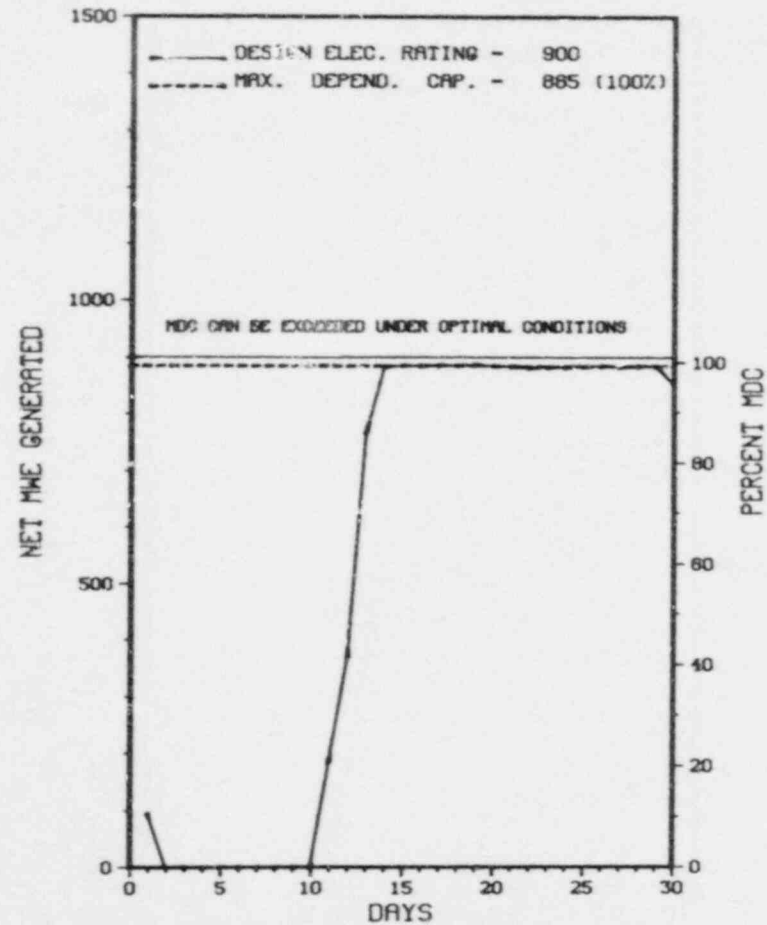
REFUELING - SEPTEMBER 16, 1988 - 85 DAY DURATION.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SUMMER 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



JUNE 1988

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/01/88	I	228.9	A	3				INVESTIGATED AND CHANGED PROCEDURES.

XXXXXXXXXX SUMMER 1 INCURRED 1 FORCED OUTAGE IN JUNE FOR REASON STATED ABOVE.
 X SUMMARY X
 XXXXXXXXXXXXX

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SUMMER 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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. HAYES
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 MAY 2-6 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION WAS TO ASSESS THE OPERATIONAL READINESS OF THE SITE EMERGENCY PREPAREDNESS PROGRAM; AND TO DETERMINE IF CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM SINCE THE FEBRUARY 1987 INSPECTION MEET NRC REQUIREMENTS, COMMITMENTS, AND THE AFFECT OF CHANGES ON THE OVERALL STATE OF EMERGENCY PREPAREDNESS. IN ADDITION, A REVIEW WAS CONDUCTED OF LICENSEE ACTION ON A PREVIOUSLY IDENTIFIED INSPECTION FINDING, AND FOLLOWUP ON REPORTABLE EVENTS BY THE LICENSEE. NO PROGRAMMATIC BREAKDOWNS, OR MAJOR WEAKNESSES WERE IDENTIFIED. THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM APPEARS TO BE MAINTAINED IN A STATE OF OPERATIONAL READINESS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROVIDE TWO MEMBERS OF THE ONSITE EMERGENCY ORGANIZATION PLANT ASSESSMENT STAFF WITH TRAINING IN ACCORDANCE WITH EMERGENCY PLAN PROCEDURE 018.

INSPECTION MAY 1-31 (88-13): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS ONSITE, IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN, DESIGN, DESIGN CHANGES AND MODIFICATION AND OTHER AREAS. ONE VIOLATION WAS IDENTIFIED, FAILURE TO MEET LIMITING CONDITION OF OPERATION PRIOR TO MODE CHANGES.

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: JULY 15, 1988 +

INSPECTION REPORT NO: 50-395/88-16 +

REPORTS FROM LICENSEE

```

=====

```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-005	04/26/88	05/26/88	FAILURE TO ESTABLISH FIRE WATCH FOR RELAY ROOM DUE TO PERSONNEL ERROR.
88-006	05/12/88	06/09/88	SAFETY INJECTION/REACTOR TRIP WHEN "A" MAIN STEAM ISOLATION VALVE CLOSED DURING TESTING AND INADEQUATE REVIEW OF POST TRIP DATA.

```

=====

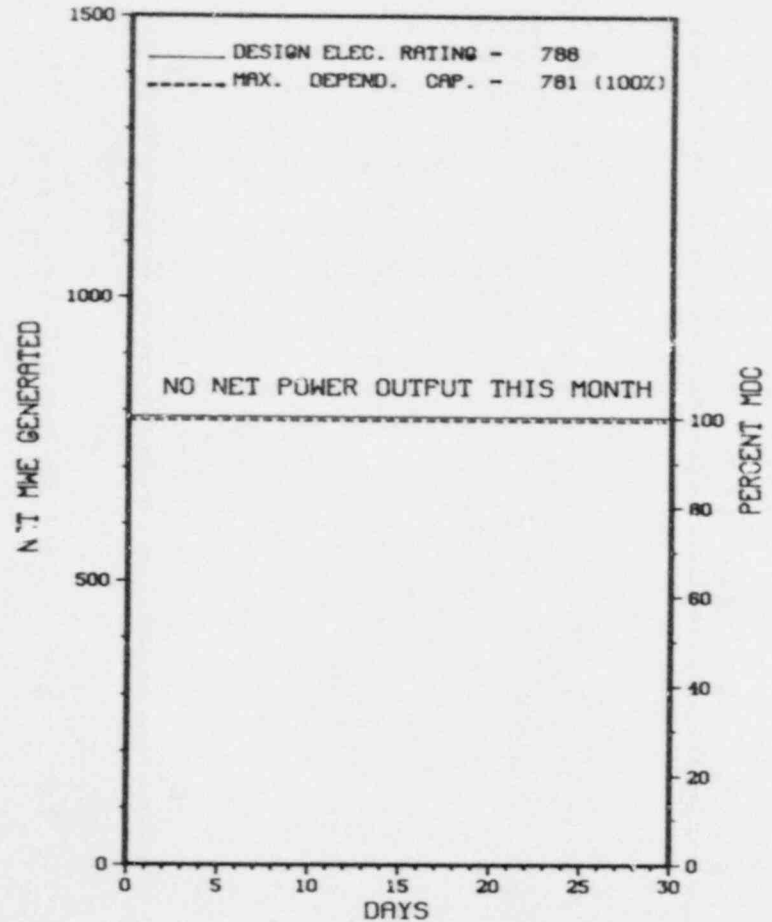
```

1. Docket: 50-280 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: L. A. WARREN (804) 357-3184
4. Licensed Thermal Power (MWh): 2641
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>720.0</u> | <u>4,367.0</u> | <u>136,079.0</u> |
| 13. Hours Reactor Critical | <u>.0</u> | <u>2,312.6</u> | <u>87,052.2</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>3,774.5</u> |
| 15. Hrs Generator On-Line | <u>.0</u> | <u>2,297.6</u> | <u>85,268.4</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>3,736.2</u> |
| 17. Gross Therm Ener (MWH) | <u>0</u> | <u>5,322,810</u> | <u>197,550,076</u> |
| 18. Gross Elec Ener (MWH) | <u>0</u> | <u>1,794,685</u> | <u>64,169,858</u> |
| 19. Net Elec Ener (MWH) | <u>0</u> | <u>1,705,504</u> | <u>60,857,666</u> |
| 20. Unit Service Factor | <u>.0</u> | <u>52.6</u> | <u>62.7</u> |
| 21. Unit Avail Factor | <u>.0</u> | <u>52.6</u> | <u>65.4</u> |
| 22. Unit Cap Factor (MDC Net) | <u>.0</u> | <u>50.0</u> | <u>57.3</u> |
| 23. Unit Cap Factor (DER Net) | <u>.0</u> | <u>49.6</u> | <u>56.8</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>3.3</u> | <u>17.6</u> |
| 25. Forced Outage Hours | <u>.0</u> | <u>79.2</u> | <u>14,499.5</u> |
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 07/30/88

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SURRY 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SURRY 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-05	04/09/88	S	720.0	C	4			UNIT SHUTDOWN FOR REFUELING OUTAGE.

XXXXXXXXXXXX SURRY 1 REMAINED SHUTDOWN IN JUNE FOR SCHEDULED REFUELING OUTAGE.
X SUMMARY X
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SURRY 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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....C. PATEL
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SHEM 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 MARCH 29 - APRIL 1 AND APRIL 11-15 (88-11): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREA OF QUALITY ASSURANCE EFFECTIVENESS. TWO VIOLATIONS WERE IDENTIFIED: TERMINATING AN UNUSUAL EVENT (UE) AND LIMITING CONDITION OF OPERATION (LCO) PRIOR TO COMPLETING APPROPRIATE CORRECTIVE ACTIONS; AND FAILURE TO FOLLOW TECHNICAL SPECIFICATION 3-12.C. REQUIREMENTS.

INSPECTION MAY 2-6 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION ASPECTS OF THE UNIT 1 OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM TO MAINTAIN EXPOSURE AS LOW AS REASONABLY ACHIEVABLE (ALARA) AND FOLLOWUP ON OPEN ITEMS AND IE NOTICES. FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO PROVIDE RADIATION MONITORING DEVICES FOR ENTRY INTO HIGH RADIATION AREAS; FAILURE TO PERFORM ADEQUATE SURVEYS TO EVALUATE THE EXTENT OF AIRBORNE RADIOACTIVE MATERIAL PRESENT; FAILURE TO FOLLOW RADIOLOGICAL PROCEDURES; AND FAILURE TO ADEQUATELY LABEL CONTAINERS/ITEMS OF RADIOACTIVE MATERIAL.

INSPECTION MAY 9-12 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF MODIFICATION RELATIVE TO THE REPLACEMENT OF CONTAINMENT RECIRCULATION SPRAY COOLERS; THEIR PROCUREMENT, AND FIELD INSTALLATION WHICH INCLUDED WELD FABRICATION, INSPECTION AND TESTING OF ASSOCIATED PIPING. PREVIOUSLY IDENTIFIED OPEN ITEMS WERE REVIEWED. THIS WORK EFFORT WAS CURTAILED BECAUSE OF RESPIRATOR TRAINING NEEDED FOR CONTAINMENT ENTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 23-27 (88-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF UNIT 1 INSPECTION (ISI), FABRICATION NDE ACCEPTANCE AND PRESERVICE INSPECTION (PSI) OF REPLACEMENT WELDS IN THE RECIRCULATION SPRAY

INSPECTION SUMMARY

SYSTEM. ALSO, A REVIEW OF THE REPAIR ORGANIZATIONS WELDER QUALIFICATION PROGRAM, RELATIVE TO THE RECIRCULATION SPRAY SYSTEM REPLACEMENT WELDS, WAS ACCOMPLISHED. CURRENTLY, THERE IS A POSSIBLE WEAKNESS IN THE LICENSEE'S PROGRAM FOR ASSURING THE RELIABILITY OF RADIOGRAPHIC FILM INTERPRETATION FOR ITEM ACCEPTANCE. RADIOGRAPHIC FILM INTERPRETATION BY QUALIFIED INTERPRETERS IS NOT BEING SAMPLED TO ASSURE THE CONTINUAL ADEQUACY OF THE INTERPRETATIONS. ALL OTHER AREAS INSPECTED APPEARED TO BE ADEQUATELY CONTROLLED. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF BARRIERS, ACCESS CONTROLS, DETECTION AIDS, TRAINING, CONTINGENCY, AND SAFEGUARDS INFORMATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 31 - JUNE 3 (88-25): THIS WAS A SPECIAL, ANNOUNCED INSPECTION TO REVIEW THE CIRCUMSTANCES SURROUNDING AN OVEREXPOSURE OF GREATER THAN 3 REMS PER CALENDAR QUARTER TO A CONTRACT WORKER DURING UNIT 1 REFUELING OUTAGE. IN THE AREAS INSPECTED, FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO CONTROL AN INDIVIDUAL'S OCCUPATIONAL RADIATION EXPOSURE TO LESS THAN 3 REMS PER CALENDAR QUARTER; FAILURE TO HAVE AN ADEQUATE PROCEDURE FOR PURPOSES OF ADMINISTERING A RADIATION WORK PERMIT PROGRAM; FAILURE TO EVALUATE THE EXTENT OF THE RADIATION HAZARDS THAT WERE PRESENT; AND FAILURE TO ADEQUATELY INSTRUCT INDIVIDUALS WORKING IN OR FREQUENTING A RESTRICTED AREA.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

NONE.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-280/88-29 +

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SURRY 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-013	05/23/88	06/21/88	EDG AUTO START DUE TO PERFORMANCE OF MULTIPLE PROCEDURES CONCURRENTLY.
88-015	05/23/88	06/21/88	EMERGENCY BUS TRANSFORMER COOLING FANS POWERED FROM NGN-SAFETY RELATED POWER SUPPLY DUE TO DESIGN DEFICIENCY.
88-016	05/10/88	06/08/88	PRESSURIZER SAFETY VALVE SETPOINTS OUTSIDE OF ALLOWABLE LIMITS.
88-018	05/27/88	06/28/88	PERSONNEL OVEREXPOSURE

```
=====
```

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: L. A. WARREN (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>720.0</u>	<u>4,367.0</u>	<u>132,959.0</u>
13. Hours Reactor Critical	<u>274.1</u>	<u>3,322.3</u>	<u>87,991.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>268.4</u>	<u>3,288.7</u>	<u>86,587.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>627,742</u>	<u>7,929,619</u>	<u>203,099,968</u>
18. Gross Elec Ener (MWH)	<u>203,775</u>	<u>2,637,535</u>	<u>66,005,359</u>
19. Net Elec Ener (MWH)	<u>193,961</u>	<u>2,510,559</u>	<u>62,589,340</u>
20. Unit Service Factor	<u>37.3</u>	<u>75.3</u>	<u>65.1</u>
21. Unit Avail Factor	<u>37.3</u>	<u>75.3</u>	<u>65.1</u>
22. Unit Cap Factor (MDC Net)	<u>34.5</u>	<u>73.6</u>	<u>60.3</u>
23. Unit Cap Factor (DER Net)	<u>34.2</u>	<u>73.0</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>62.7</u>	<u>24.7</u>	<u>14.4</u>
25. Forced Outage Hours	<u>451.6</u>	<u>1,078.3</u>	<u>11,937.4</u>

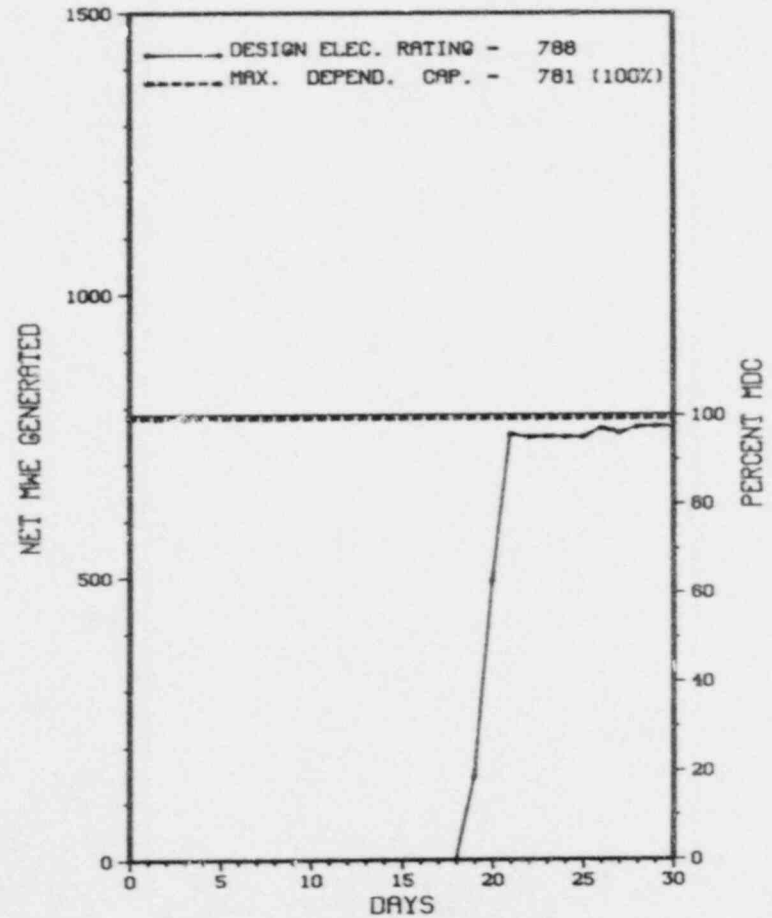
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, SEPTEMBER 2, 1988, 48 DAY DURATION.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SURRY 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* SURRY 2 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	05/16/88	F	451.6	A	4	281-88-013			UNIT REMAINED SHUTDOWN FOR VARIOUS MAINTENANCE ITEMS.

XXXXXXXXXXXX SURRY 2 COMPLETED MAINTENANCE OUTAGE AND RETURNED TO POWER
* SUMMARY * IN JUNE.
XXXXXXXXXXXX

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

* SURRY 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1973
DATE ELEC ENER 1ST GENER...MARCH 10, 1973
DATE COMMERCIAL OPERATE...MAY 1, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA 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.....C. PATEL
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 MARCH 29 - APRIL 1 AND APRIL 11-15 (88-11): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREA OF QUALITY ASSURANCE EFFECTIVENESS. TWO VIOLATIONS WERE IDENTIFIED: TERMINATING AN UNUSUAL EVENT (UE) AND LIMITING CONDITION OF OPERATION (LCO) PRIOR TO COMPLETING APPROPRIATE CORRECTIVE ACTIONS; AND FAILURE TO FOLLOW TECHNICAL SPECIFICATION 3-12.C. REQUIREMENTS.

INSPECTION MAY 2-6 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION ASPECTS OF THE UNIT 1 OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM TO MAINTAIN EXPOSURE AS LOW AS REASONABLY ACHIEVABLE (ALARA) AND FOLLOWUP ON OPEN ITEMS AND IE NOTICES. FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO PROVIDE RADIATION MONITORING DEVICES FOR ENTRY INTO HIGH RADIATION AREAS; FAILURE TO PERFORM ADEQUATE SURVEYS TO EVALUATE THE EXTENT OF AIRBORNE RADIOACTIVE MATERIAL PRESENT; FAILURE TO FOLLOW RADIOLOGICAL PROCEDURES; AND FAILURE TO ADEQUATELY LABEL CONTAINERS/ITEMS OF RADIOACTIVE MATERIAL.

INSPECTION MAY 9-12 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF MODIFICATION RELATIVE TO THE REPLACEMENT OF CONTAINMENT RECIRCULATION SPRAY COOLERS; THEIR PROCUREMENT, AND FIELD INSTALLATION WHICH INCLUDED WELD FABRICATION, INSPECTION AND TESTING OF ASSOCIATED PIPING. PREVIOUSLY IDENTIFIED OPEN ITEMS WERE REVIEWED. THIS WORK EFFORT WAS CURTAILED BECAUSE OF RESPIRATOR TRAINING NEEDED FOR CONTAINMENT ENTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 23-27 (88-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF UNIT 1 INSERVICE INSPECTION (ISI), FABRICATION NDE ACCEPTANCE AND PRESERVICE INSPECTION (PSI) OF REPLACEMENT WELDS IN THE RECIRCULATION SPRAY

INSPECTION SUMMARY

SYSTEM. ALSO, A REVIEW OF THE REPAIR ORGANIZATIONS WELDER QUALIFICATION PROGRAM, RELATIVE TO THE RECIRCULATION SPRAY SYSTEM REPLACEMENT WELDS, WAS ACCOMPLISHED. CURRENTLY, THERE IS A POSSIBLE WEAKNESS IN THE LICENSEE'S PROGRAM FOR ASSURING THE RELIABILITY OF RADIOGRAPHIC FILM INTERPRETATION FOR ITEM ACCEPTANCE. RADIOGRAPHIC FILM INTERPRETATION BY QUALIFIED INTERPRETERS IS NOT BEING SAMPLED TO ASSURE THE CONTINUAL ADEQUACY OF THE INTERPRETATIONS. ALL OTHER AREAS INSPECTED APPEARED TO BE ADEQUATELY CONTROLLED. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 6-10 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF BARRIERS, ACCESS CONTROLS, DETECTION AIDS, TRAINING, CONTINGENCY, AND SAFEGUARDS INFORMATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION MAY 31 - JUNE 3 (88-25): THIS WAS A SPECIAL, ANNOUNCED INSPECTION TO REVIEW THE CIRCUMSTANCES SURROUNDING AN OVEREXPOSURE OF GREATER THAN 3 REMS PER CALENDAR QUARTER TO A CONTRACT WORKER DURING UNIT 1 REFUELING OUTAGE. IN THE AREAS INSPECTED, FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO CONTROL AN INDIVIDUAL'S OCCUPATIONAL RADIATION EXPOSURE TO LESS THAN 3 REMS PER CALENDAR QUARTER; FAILURE TO HAVE AN ADEQUATE PROCEDURE FOR PURPOSES OF ADMINISTERING A RADIATION WORK PERMIT PROGRAM; FAILURE TO EVALUATE THE EXTENT OF THE RADIATION HAZARDS THAT WERE PRESENT; AND FAILURE TO ADEQUATELY INSTRUCT INDIVIDUALS WORKING IN OR FREQUENTING A RESTRICTED AREA.

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: JULY 22, 1988 +

INSPECTION REPORT NO: 50-281/88-29 +

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SURRY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-010	05/16/88	06/15/88	REACTOR TRIP OCCURRED AS RESULT OF STEAM GENERATOR LOW LOW LEVEL.
88-012	05/17/88	06/16/88	INOPERABLE INDIVIDUAL ROD POSITION INDICATORS DUE TO INSTRUMENT DRIFT.
88-013	05/23/88	06/14/88	REACTOR TRIP BREAKERS OPENED DUE TO INADEQUATE PROCEDURES.
88-014	05/28/88	06/27/88	LIFTING OF POWER OPERATED RELIEF VALVE DUE TO PROCEDURAL INADEQUACY.

```
=====
```


THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-387 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. A. HIRT (717) 542-3917

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1068

8. Maximum Dependable Capacity (Net MWe): 1032

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>44,400.0</u>
13. Hours Reactor Critical	<u>200.7</u>	<u>3,872.7</u>	<u>32,526.7</u>
14. Rx Reserve Shtdwn Hrs	<u>219.3</u>	<u>219.3</u>	<u>992.5</u>
15. Hrs Generator On-Line	<u>461.8</u>	<u>3,790.2</u>	<u>31,739.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,436,093</u>	<u>12,137,537</u>	<u>98,183,956</u>
18. Gross Elec Ener (MWH)	<u>446,596</u>	<u>3,994,598</u>	<u>32,005,197</u>
19. Net Elec Ener (MWH)	<u>445,581</u>	<u>3,851,600</u>	<u>30,698,996</u>
20. Unit Service Factor	<u>64.1</u>	<u>86.8</u>	<u>71.5</u>
21. Unit Avail Factor	<u>64.1</u>	<u>86.8</u>	<u>71.5</u>
22. Unit Cap Factor (MDC Net)	<u>60.0</u>	<u>85.5</u>	<u>67.0</u>
23. Unit Cap Factor (DER Net)	<u>58.1</u>	<u>82.8</u>	<u>64.9</u>
24. Unit Forced Outage Rate	<u>35.9</u>	<u>9.7</u>	<u>10.8</u>
25. Forced Outage Hours	<u>258.2</u>	<u>407.2</u>	<u>3,823.8</u>

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

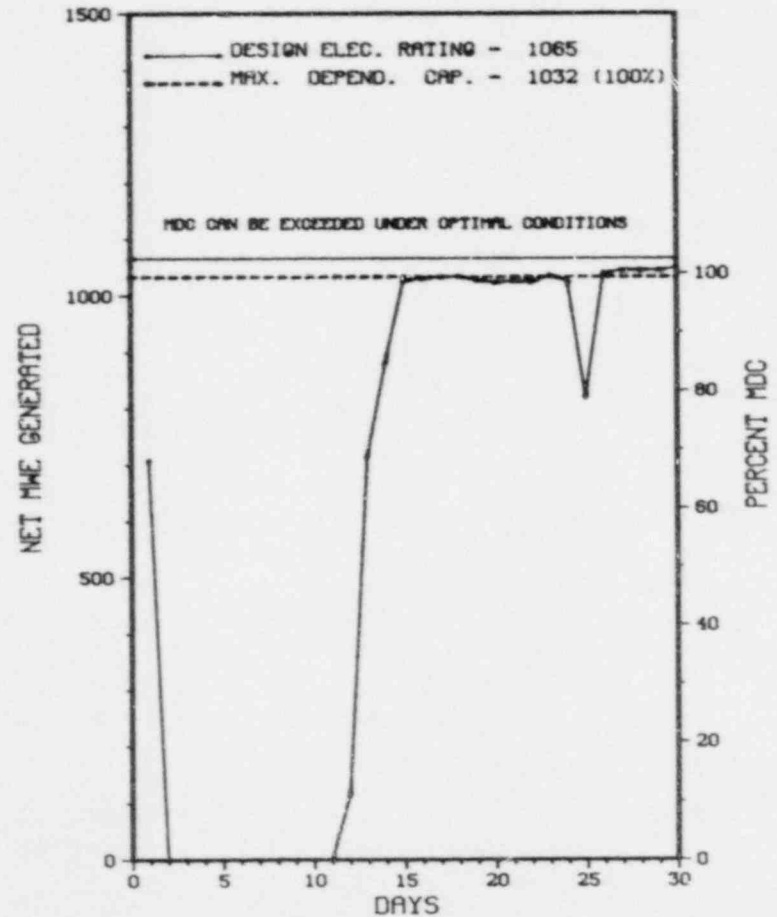
NONE

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SUSQUEHANNA 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/01/88	F	258.2	A	3	88-010-00	FJ	64	AT 1621 ON JUNE 1, 1988, AN UNPLANNED ENGINEERED SAFETY FEATURE (ESF) ACTUATION OCCURRED ON UNIT 1. A GROUND FAULT WHICH OCCURRED ON A DISTANT 500 KV TRANSMISSION LINE RESULTED IN APPARENT GROUND FAULT RELAY MISOPERATION. A GENERATOR LOAD UNBALANCE (LOAD REJECT) OCCURRED AND RESULTED IN A TURBINE CONTROL VALVE FAST CLOSURE, TURBINE TRIP, AND REACTOR SCRAM. ALL SYSTEMS RESPONDED PROMPTLY TO THE TRANSIENT. NO OFFSITE RELEASE OCCURRED. THE UNIT WAS PLACED IN A STABLE CONDITION. THE CAUSE OF THE RELAY MISOPERATION COULD NOT BE DETERMINED. EXTENSIVE FOLLOWUP TESTING COULD NOT DUPLICATE THE FAILURE. AS A RESULT, THE TRIP FUNCTION OF THE RELAY WAS BLOCKED FROM SERVICE. MONITORING EQUIPMENT WAS INSTALLED AND RELAY RESPONSE WILL BE RECORDED. REDUNDANT FAULT DETECTION WILL PROVIDE FAULT
6	06/24/88	S	0.0	H	5		SJ	LT	ON JUNE 24, 1988, OPERATIONS PERSONNEL REDUCED REACTOR POWER TO APPROXIMATELY 60% IN ORDER TO REPLACE THE LEVEL TRANSMITTER FOR THE 2A FEEDWATER HEATER EMERGENCY DUMP VALVE. THE TRANSMITTER HAD BEEN OUTPUTTING A FALSE HI-LEVEL SIGNAL CAUSING THE VALVE TO OPEN. AFTER I&C PERSONNEL REPLACED THE TRANSMITTER, OPERATIONS PERSONNEL INCREASED REACTOR POWER TO 100% CAPACITY.

XXXXXXXXXXXX SUSQUEHANNA 1 INCURRED 1 FORCED OUTAGE AND 1 POWER REDUCTION
 * SUMMARY * IN JUNE FOR REASONS STATED ABOVE.
 XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SUSQUEHANNA 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JUNE 8, 1983
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PEN SYLVANIA 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.....F. YOUNG
LICENSING PROJ MANAGER.....M. THADANI
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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SUSQUEHANA 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION : 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: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: J. A. HIRT (717) 542-3917

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. Reason for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>29,639.0</u>
13. Hours Reactor Critical	<u>244.7</u>	<u>1,804.7</u>	<u>23,356.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>693.9</u>
15. Hrs Generator On-Line	<u>137.0</u>	<u>1,673.5</u>	<u>22,834.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>236,195</u>	<u>5,035,175</u>	<u>71,660,893</u>
18. Gross Elec Ener (MWH)	<u>70,358</u>	<u>1,643,020</u>	<u>23,449,782</u>
19. Net Elec Ener (MWH)	<u>57,428</u>	<u>1,558,103</u>	<u>22,559,367</u>
20. Unit Service Factor	<u>19.0</u>	<u>38.3</u>	<u>77.0</u>
21. Unit Avail Factor	<u>19.0</u>	<u>38.3</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>7.7</u>	<u>34.6</u>	<u>73.8</u>
23. Unit Cap Factor (DER Net)	<u>7.5</u>	<u>33.5</u>	<u>71.5</u>
24. Unit Forced Outage Rate	<u>4.3</u>	<u>.4</u>	<u>8.6</u>
25. Forced Outage Hours	<u>6.1</u>	<u>6.1</u>	<u>2,155.1</u>

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

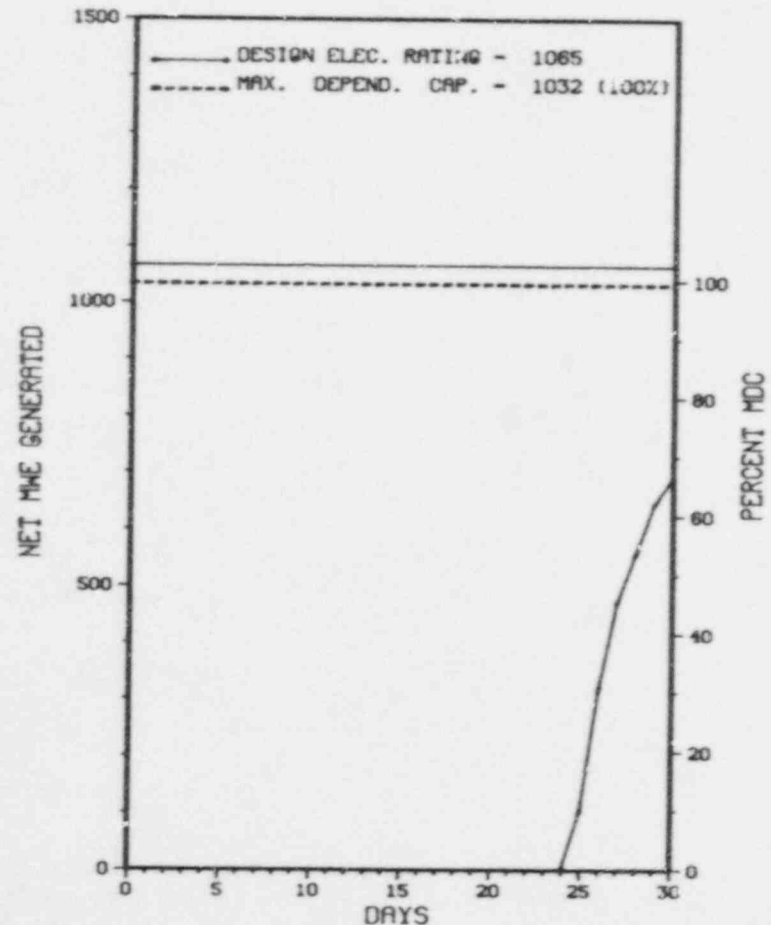
NONE

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

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MW) PLOT

SUSQUEHANNA 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/05/88	S	575.9	C	4		ZZZ	ZZZZZZ	ON JUNE 24, 1988, AT 2356 HOURS, OPERATIONS PERSONNEL SYNCHRONIZED UNIT TWO TO THE GRID, ENDING THE UNIT'S SECOND REFUELING OUTAGE. THE UNIT HAD BEEN SHUTDOWN SINCE MARCH 5, 1988.
2	06/25/88	F	6.1	H	9		IV	TRB	FOLLOWING THE GENERATOR SYNCHRONIZATION THE TURBINE EXPERIENCED HIGH VIBRATION. OPERATIONS PERSONNEL TRIPPED THE TURBINE AND PLACED IT ON ITS TURNING GEAR. THEY REALIGNED THE TURBINE A FEW HOURS LATER AND THEN RE-SYNCHRONIZED THE GENERATOR TO THE GRID AT 0635 ON JUNE 25, 1988.
3	06/25/88	S	1.0	B	9		TA	TRB	ON JUNE 25, 1988, AT 1125 HOURS OPERATIONS PERSONNEL MANUALLY TRIPPED THE TURBINE AS PART OF A REQUIRED OVERSPEED TEST. FOLLOWING THE SUCCESSFUL COMPLETION OF THE TEST, OPERATIONS REALIGNED THE TURBINE. THEY SYNCHRONIZED THE GENERATOR TO THE GRID AT 1221 HOURS ON JUNE 25, 1988.

 * SUMMARY *

 SUSQUEHANNA 2 COMPLETED REFUELING IN JUNE. SUBSEQUENTLY INCURRED 2 OUTAGES FOR REASONS STATED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Scheduled	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)

= SUSQUEHANNA 2 *

FACILITY DATA

Report Period JUN 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.....F. YOUNG
LICENSING PROJ MANAGER.....M. THADANI
LOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SUSQUEHANNA 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST 3E 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: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWT): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 824

8. Maximum Dependable Capacity (Net MWe): 776

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>121,224.0</u>
13. Hours Reactor Critical	<u>406.0</u>	<u>3,991.4</u>	<u>50,511.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>61.6</u>	<u>1,947.8</u>
15. Hrs Generator On-Line	<u>405.5</u>	<u>3,988.9</u>	<u>49,588.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,021,504</u>	<u>10,064,153</u>	<u>120,551,853</u>
18. Gross Elec Ener (MWH)	<u>345,657</u>	<u>3,454,503</u>	<u>40,322,724</u>
19. Net Elec Ener (MWH)	<u>324,347</u>	<u>3,261,030</u>	<u>37,765,313</u>
20. Unit Service Factor	<u>56.3</u>	<u>91.3</u>	<u>40.9</u>
21. Unit Avail Factor	<u>56.3</u>	<u>91.3</u>	<u>40.9</u>
22. Unit Cap Factor (MDC Net)	<u>58.1</u>	<u>96.2</u>	<u>39.9*</u>
23. Unit Cap Factor (DER Net)	<u>55.0</u>	<u>91.2</u>	<u>38.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>54.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>63.6</u>	<u>59,376.5</u>

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

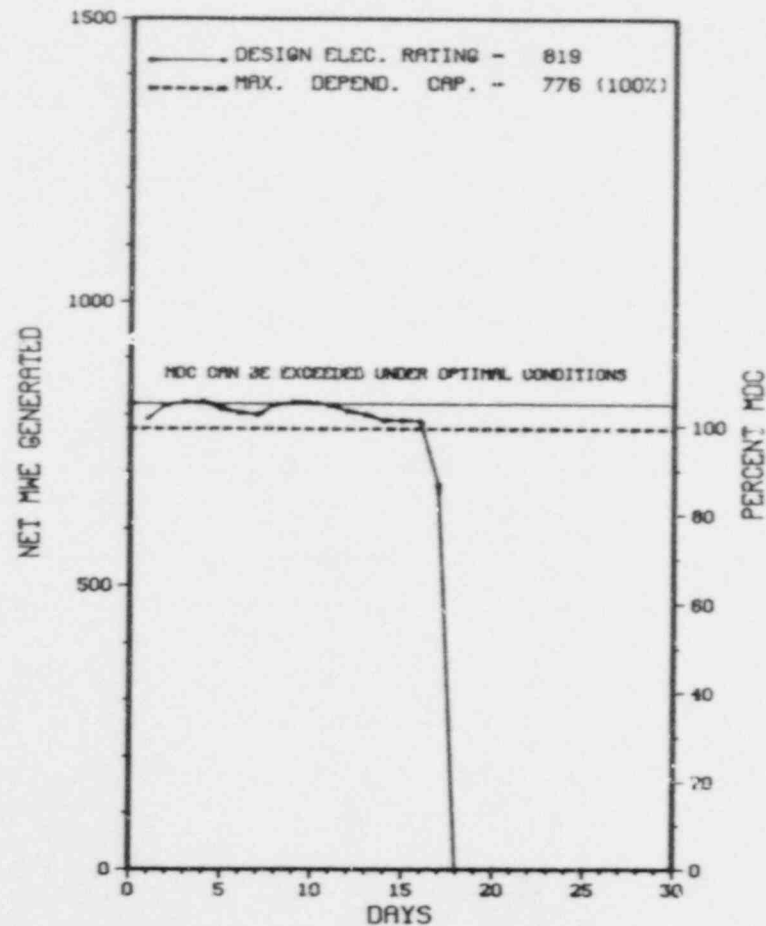
NONE

27. If Currently Shutdown Estimated Startup Date: 08/19/88

 * THREE MILE ISLAND : *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* THREE MILE ISLAND 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	06/17/88	S	3:4.5	C	1				REFUELING OUTAGE.

XXXXXXXXXXXX THREE MILE ISLAND : SHUTDOWN IN JUNE FOR SCHEDULED REFUELING
* SUMMARY * OUTAGE.
XXXXXXXXXXXX

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)

* TREE MILE ISLAND 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE....SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR...R. CONTE
LICENSING PROJ MANAGER.....R. HERNAN
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE....DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* THREE MILE ISLAND 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 30-344 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: F. J. UHMER (503) 556-3713 X495

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1153

8. Maximum Dependable Capacity (Net MWe): 1095

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC RATINGS DUE TO IMPROVED PLANT PERFORMANCE FROM UPGRADE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>103,703.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,344.6</u>	<u>64,689.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,342.2</u>	<u>63,013.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>7,955,428</u>	<u>201,300,792</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>2,692,665</u>	<u>65,580,534</u>
19. Net Elec Ener (MWH)	<u>-3,192</u>	<u>2,562,746</u>	<u>62,062,023</u>
20. Unit Service Factor	<u>.0</u>	<u>53.6</u>	<u>60.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>53.6</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.6</u>	<u>54.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.9</u>	<u>53.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.2</u>	<u>13.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>129.1</u>	<u>9,932.6</u>

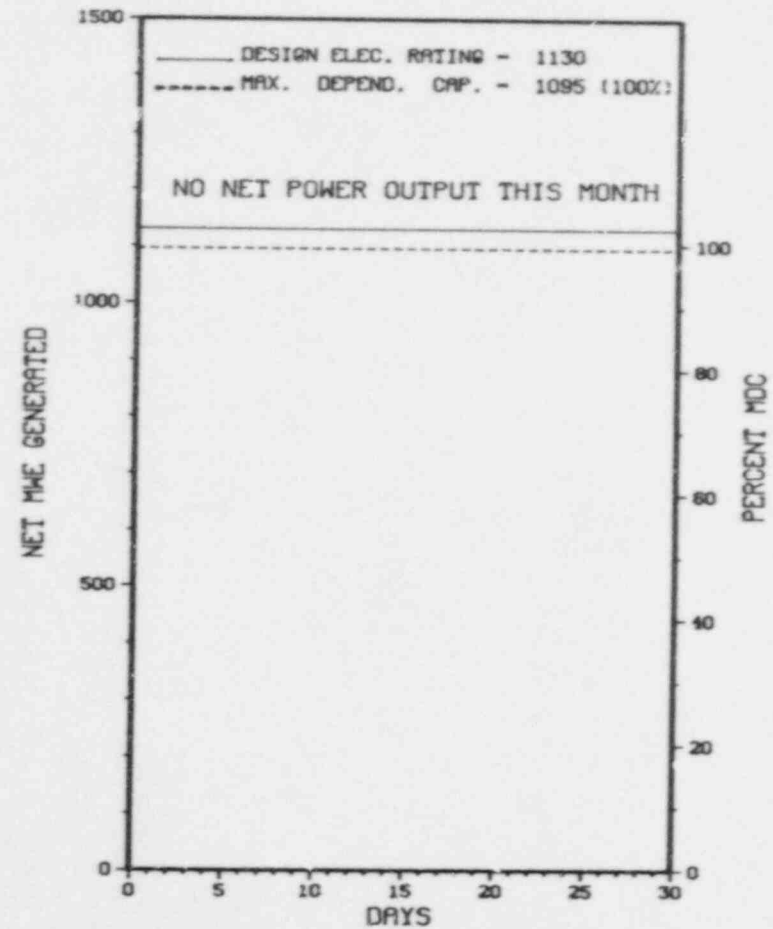
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/06/88

XX
 X TROJAN X
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* TROJAN *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/13/88	S	720.0	C	4			CONTINUED ANNUAL REFUELING SHUTDOWN.

XXXXXXXXXXXX TROJAN REMAINED SHUTDOWN IN JUNE FOR SCHEDULED REFUELING OUTAGE.
* SUMMARY *
XXXXXXXXXXXX

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)

* TROJAK *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...32 MI N OF
PORTLAND, ORE
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 15, 1975
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975
DATE COMMERCIAL OPERATE...MAY 20, 1976
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...COOLING TOWER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. BARK
LICENSING PROJ MANAGER.....T. CHAN
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....LIBRARY ASSOCIATION OF PORTLAND
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97207

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

INSPECTION SUMMARY

- + INSPECTION ON MARCH 27 - MAY 7, 1988 (REPORT NO. 50-344/88-13) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND OPEN ITEM FOLLOW UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: OF THE AREAS INSPECTED, VIOLATIONS WERE IDENTIFIED FOR AN INADEQUATE SAFETY EVALUATION AND IMPROPER LOCKING OF VALVES ASSOCIATED WITH FEEDWATER DRAIN VALVES. A VIOLATION WAS ALSO IDENTIFIED IN THE AREA OF INSERVICE TESTING. THESE INSPECTION RESULTS MAY INDICATE THAT ADDITIONAL LICENSEE ATTENTION IN THE AREA OF SAFETY AND ENGINEERING EVALUATIONS IS WARRANTED.
- + INSPECTION ON APRIL 21 - MAY 20, 1988 (REPORT NO. 50-344/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-344/88-20) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: OF THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED IN ONE AREA: 10 CFR 20.201 (B) FAILURE TO PERFORM A DOSE EVALUATION OF AN INDIVIDUAL'S EXTREMITIES. THE LICENSEE'S PROGRAM APPEARED ADEQUATE TO ACCOMPLISH THEIR SAFETY OBJECTIVES. THE LICENSEE'S PERFORMANCE, OVERALL, APPEARED TO BE IMPROVING.

INSPECTION SUMMARY

+ INSPECTION ON MAY 10 - 26, 1988 (REPORT NO. 50-344/88-23) AREAS INSPECTED: SPECIAL, ANNOUNCED INSPECTION TO VERIFY THAT THE TROJAN EMERGENCY OPERATING PROCEDURES (EOPs) ARE TECHNICALLY CORRECT; THAT THEIR SPECIFICATIONS CAN BE MEANINGFULLY ACCOMPLISHED USING EXISTING EQUIPMENT, CONTROLS, AND INSTRUMENTATION; AND THAT THE AVAILABLE PROCEDURES ARE SUFFICIENTLY USABLE TO PROVIDE OPERATORS AN EFFECTIVE ACCIDENT RECOVERY TOOL. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH TEMPORARY INSTRUCTION (TI) 2515/92.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 8 - JUNE 18, 1988 (REPORT NO. 50-344/88-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 16 - 31, 1988 (REPORT NO. 50-344/88-25) AREAS INSPECTED: SPECIAL, ANNOUNCED INSPECTION OF THE TROJAN NUCLEAR POWER PLANT. THE INSPECTION FOCUSED ON LICENSEE ACTIVITIES IN RESOLVING REACTOR PLANT PIPE WHIP RESTRAINT DESIGN VERSUS AS-BUILT GAP DISCREPANCIES, PRESSURIZER SURGE LINE DEFLECTIONS AND INSERVICE INSPECTION ULTRASONIC TEST ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 6 - 17, 1988 (REPORT NO. 50-344/88-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-344/88-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 11 - 15, 1988 (REPORT NO. 50-344/88-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 19 - JULY 30, 1988 (REPORT NO. 50-344/88-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

FAILURE TO IMPLEMENT PROVISIONS OF AMENDMENT R022 TO LICENSE NO. NPF-1 FOR INSTALLATION OF FIRE DETECTORS IN THE RADWASTE STORAGE AREA, NEW FUEL AND SPENT FUEL POOL STORAGE AREAS.
(8801 1)

10 CFR PART 20.201(B) REQUIRES THAT EACH LICENSEE MAKE SUCH SURVEYS AS (1) ARE NECESSARY TO COMPLY WITH REGULATIONS IN 10 CFR 20 AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. AS DEFINED IN 10 CFR 20.201(A), "SURVEY" MEANS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. CONTRARY TO THE STATED REQUIREMENTS, ON MAY 8, 1988, NO SURVEY WAS MADE TO DETERMINE THE DIRECT DOSE TO A REACTOR OPERATOR'S HAND FROM HANDLING HIGHLY CONTAMINATED PLASTIC TUBING. THE DOSE FROM RESIDUAL CONTAMINATION FOUND ON HIS HAND WAS APPROPRIATELY EVALUATED.
(8802 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JUN 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X TROJAN X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

NONC

MANAGERIAL ITEMS:

.ONE

PLANT STATUS:

POWER LEVEL 100%.

LAST IE SITE INSPECTION DATE: 06/19 - 07/30/88+

INSPECTION REPORT NO: 50-344/88-29+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-10-L0	04-21-88	05-20-88	CONTAINMENT VENTILATION ISOLATION ON HIGH CONTAINMENT RADIOACTIVITY SIGNAL
88-11-L0	04-25-88	05-25-88	MOVEMENT OF LOADS OVER IRRADIATED FUEL IN SPENT FUEL POOL VIOLATED TECHNICAL SPEC LIMIT ON FB CRANE
88-12-L0	04-30-88	05-31-88	FIRE DOOR MADE INOPERABLE DUE TO PERSONNEL ERROR
88-13-L0	05-05-88	06-03-88	CW VALVE POSITIONS NOT VERIFIED AS REQUIRED BY TS SURVEILLANCE REQMENTS

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>136,496.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,178.4</u>	<u>92,873.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,093.0</u>	<u>89,888.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,546,625</u>	<u>6,521,171</u>	<u>186,325,436</u>
18. Gross Elec Ener (MWH)	<u>500,485</u>	<u>2,116,560</u>	<u>59,714,461</u>
19. Net Elec Ener (MWH)	<u>476,918</u>	<u>1,997,987</u>	<u>56,476,773</u>
20. Unit Service Factor	<u>100.0</u>	<u>70.8</u>	<u>65.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>70.8</u>	<u>65.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>68.7</u>	<u>63.5*</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>66.0</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>28.9</u>	<u>11.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,258.1</u>	<u>10,505.4</u>

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

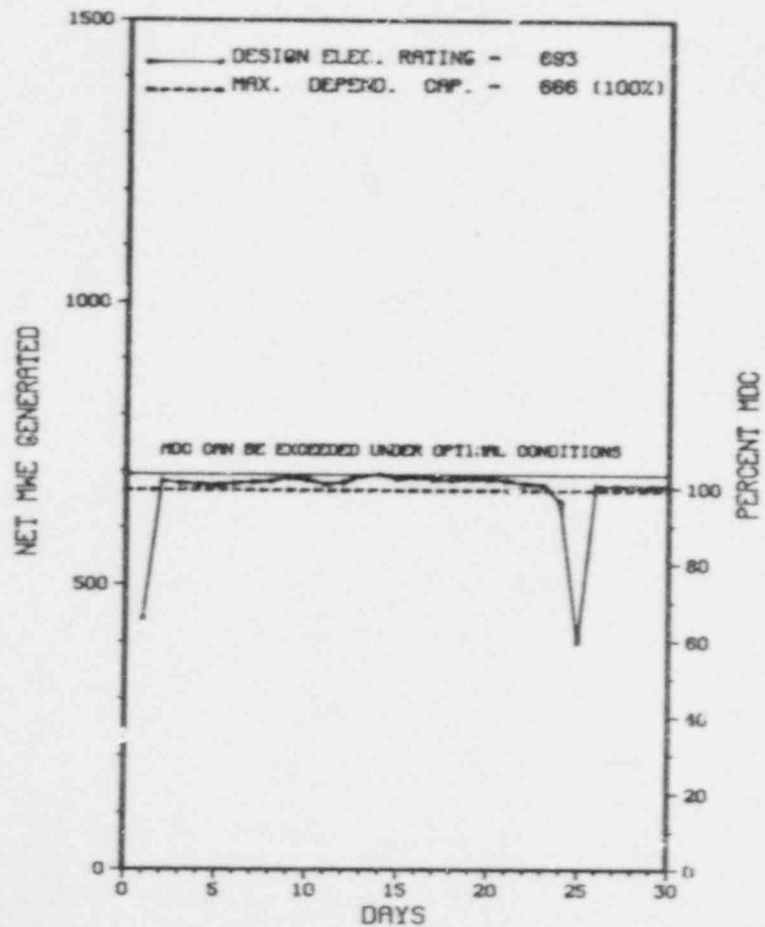
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * TURKEY POINT 3 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	P. %	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	06/01/88	S	1.0	B	5		HA	VALVOP	UNIT NO.3 WAS REDUCED TO APPROXIMATELY 40% POWER TO PERFORM TURBINE VALVE TESTING.
07	06/24/88	S	0.2	B	5		HA	VALVOP	UNIT NO.3 WAS REDUCED TO APPROXIMATELY 40% POWER TO PERFORM TURBINE VALVE TESTING.

 * SUMMARY *

 TURKEY POINT 3 INCURRED 2 POWER REDUCTIONS IN JUNE FOR REASONS STATED 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 (NUR 3-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* TURKEY POINT 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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.....R. BUTCHER
LICENSING PROJ MANAGER....G. EDISON
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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.
FACILITY ITEMS (PLANS AND PROCEDURES):
PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

OTHER ITEMS

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-250/88-19 +

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
88-006	04/08/88	05/23/88	MISSED SURVEILLANCE OF GAS DECAY TANK HYDROGEN AND OXYGEN CONCENTRATION DUE TO PERSONNEL ERROR.
88-008	05/08/88	06/13/88	DESIGN BASIS RECONSTITUTION EFFORT IDENTIFIED SYSTEM ALIGNMENT WHICH COULD HAVE RESULTED IN INSUFFICIENT NPSH FOR CERTAIN PUMPS DURING POST-LOCA RECIRCULATION.
88-009	05/27/88	06/24/88	QUALITY ASSURANCE DISCOVERED MISSED TECHNICAL SPECIFICATION SURVEILLANCES FOR STATION BATTERY PILOT CELL ROTATION AND EDG FUEL OIL SAMPLING ANALYSIS.
88-010	05/28/88	06/27/88	CONTAINMENT VENTILATION AND CONTROL ROOM VENTILATION ISOLATION WHILE CONTAINMENT PARTICULATE RADIATION MONITOR SETPOINT WAS BEING CHECKED ON TWO SEPARATE OCCASIONS.

```
=====
```

1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>130,224.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,245.9</u>	<u>88,432.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,191.3</u>	<u>85,404.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,575,810</u>	<u>6,835,522</u>	<u>180,300,145</u>
18. Gross Elec Ener (MWH)	<u>511,130</u>	<u>2,242,105</u>	<u>57,541,929</u>
19. Net Elec Ener (MWH)	<u>487,625</u>	<u>2,124,470</u>	<u>54,446,301</u>
20. Unit Service Factor	<u>100.0</u>	<u>73.1</u>	<u>65.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.1</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>101.7</u>	<u>73.0</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>70.2</u>	<u>60.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>26.9</u>	<u>11.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,174.5</u>	<u>10,755.4</u>

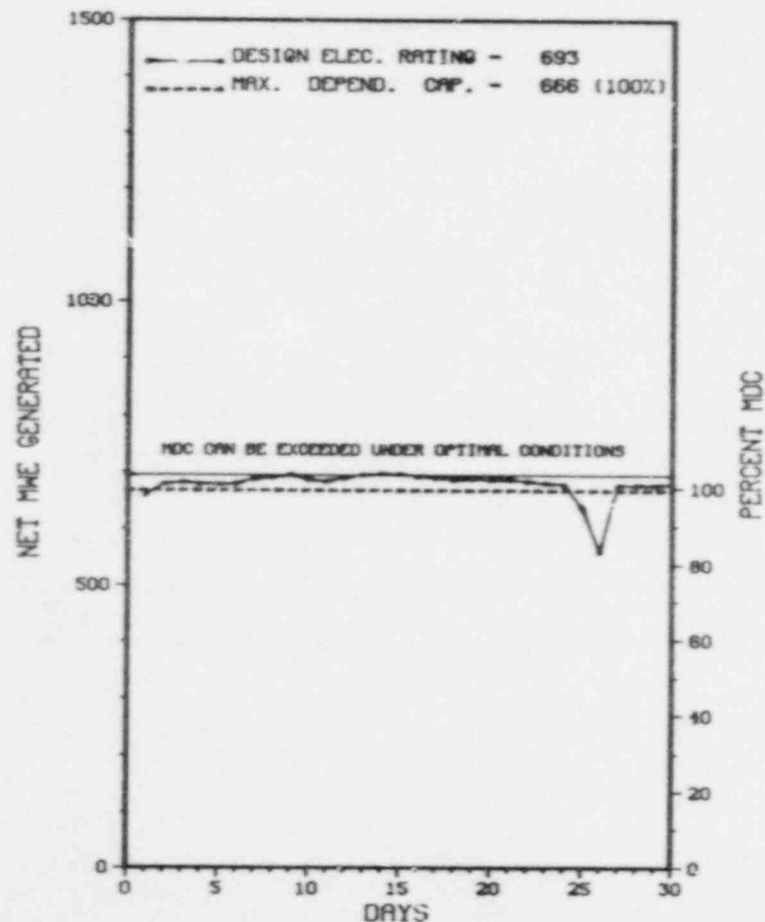
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING 9/17/88, 105 DAY DURATION

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* TURKEY POINT 4 *
XX

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

NONE

XXXXXXXXXX
* SUMMARY *
XXXXXXXXXX
TURKEY POINT 4 OPERATED ROUTINELY IN JUNE WITH NO OUTAGES
OR SIGNIFICANT POWER REDUCTIONS.

<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		

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
* TURKEY POINT 4 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period JUN 1988

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.....R. BUTCHER
LICENSING PROJ MANAGER....G. EDISON
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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.
FACILITY ITEMS (PLANS AND PROCEDURES):
PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

Report Period JUN 1988

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)

XX
X TURKEY POINT 4 X
XX

OTHER ITEMS

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

+ NORMAL OPERATION.

LAST 1E SITE INSPECTION DATE: JULY 22, 1988 +

INSPECTION REPORT NO: 50-251/88-19 +

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
88-015	04/25/88	05/24/88	CALIBRATION OF NUCLEAR INSTRUMENTATION SYSTEM POWER RANGE DETECTORS PERFORMED LATE DUE TO PERSONNEL ERROR.

.....

1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: G. A. HALLIN (202) 257-7711 X2272

4. Licensed Thermal Power (Mht): 1593

5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>138,289.8</u>
13. Hours Reactor Critical	<u>554.2</u>	<u>4,201.2</u>	<u>109,046.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>550.3</u>	<u>4,197.3</u>	<u>106,487.3</u>
Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
Gross Therm Ener (MWH)	<u>856,715</u>	<u>6,603,416</u>	<u>156,344,114</u>
18. Gross Elec Ener (MWH)	<u>278,926</u>	<u>2,218,436</u>	<u>52,058,380</u>
19. Net Elec Ener (MWH)	<u>262,319</u>	<u>2,120,457</u>	<u>49,415,544</u>
20. Unit Service Factor	<u>76.4</u>	<u>96.1</u>	<u>77.0</u>
21. Unit Avail Factor	<u>76.4</u>	<u>96.1</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>72.3</u>	<u>96.3</u>	<u>70.9</u>
23. Unit Cap Factor (DER Net)	<u>70.9</u>	<u>94.5</u>	<u>69.5</u>
24. Unit Forced Outage Rate	<u>4.8</u>	<u>.7</u>	<u>6.1</u>
25. Forced Outage Hours	<u>27.7</u>	<u>27.7</u>	<u>5,621.1</u>

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

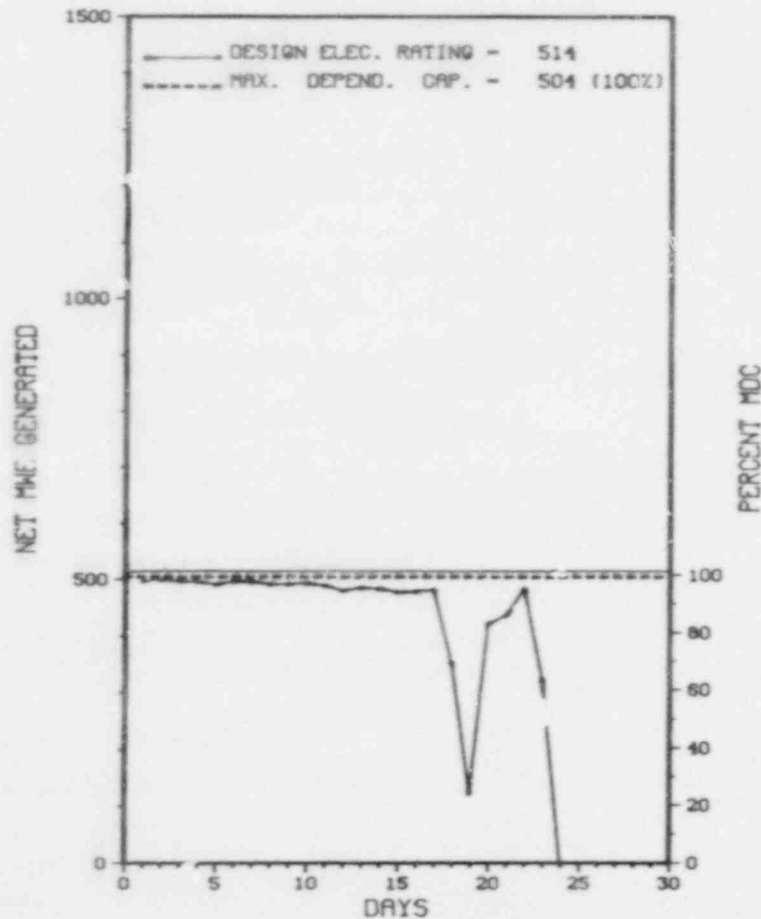
NONE

27. If Currently Shutdown Estimated Startup Date: 07/01/88

 X V E R M O N T Y A N K E E 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * VERMONT YANKEE 1 *
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
R88-0	06/18/88	F	17.5	A	3	88-07	CH	INSTRU	INTEGRATOR FAILURE WITHIN THE FEEDWATER CONTROL SYSTEM. THE INTEGRATOR WAS REPLACED.
88-06	06/21/88	S	0.0	H	5	-	RB	CONROD	ROD PATTERN ADJUSTMENT.
88-07	06/24/88	F	10.2	A	3	88-08	HB	INSTRU	NO. 10 TURBINE BEARING HIGH VIBRATION SIGNAL CAUSED BY A FAULTY COIL. THE COIL WAS REPLACED.
88-07A	06/24/88	S	142.0	B	3		ZZ	ZZZZZZ	SCHEDULED SHUTDOWN TO PERFORM PREVENTATIVE AND CORRECTIVE MAINTENANCE.

XXXXXXXXXXXX VERMONT YANKEE INCURRED 2 FORCED AND 1 POWER
 * SUMMARY * REDUCTION IN JUNE AS DISCUSSED ABOVE, AND
 XXXXXXXXXXXX SUBSEQUENTLY SHUTDOWN ON 6/24/88
 FOR SCHEDULED MAINTENANCE.

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

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT
COUNTY.....WINDHAM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 24, 1972
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972
DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER
CORPORATE ADDRESS.....RD #5, BOX 169, FERRY ROAD
BRATTLEBORO, VERMONT 05301
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X VERMONT YANKEE 1 X
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: 50-424 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: S. C. DILWORTH (404) 724-8114 X3870

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1157

6. Design Electrical Rating (Net MWe): 1101

7. Maximum Dependable Capacity (Gross MWe): 1153

8. Maximum Dependable Capacity (Net MWe): 1079

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>9,504.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,688.9</u>	<u>7,737.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,622.6</u>	<u>7,543.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,444,967</u>	<u>12,092,563</u>	<u>24,753,501</u>
18. Gross Elec Ener (MWH)	<u>811,860</u>	<u>4,029,220</u>	<u>8,213,110</u>
19. Net Elec Ener (MWH)	<u>773,260</u>	<u>3,804,590</u>	<u>7,726,110</u>
20. Unit Service Factor	<u>100.0</u>	<u>83.0</u>	<u>79.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>83.0</u>	<u>79.4</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>80.7</u>	<u>75.3</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>79.1</u>	<u>73.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>16.1</u>	<u>17.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>697.3</u>	<u>1,640.9</u>

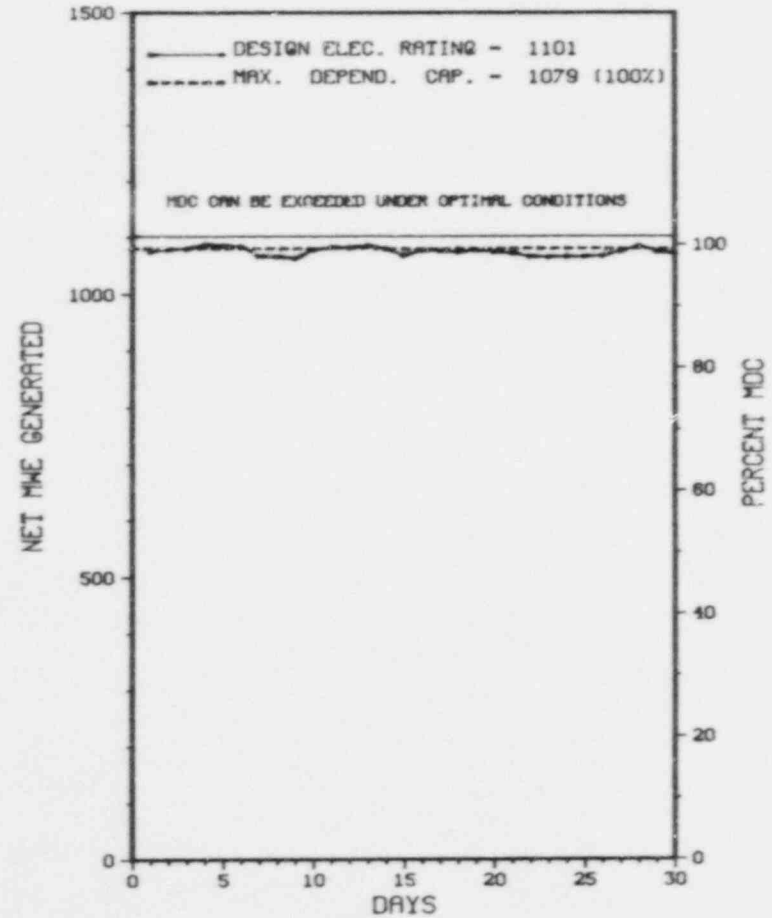
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 7 - 44 DAY DURATION.

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

XX
X VOGTLE 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VOGTLE 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* VOGTLE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX VOGTLE OPERATED ROUTINELY IN JUNE WITH NO OUTAGES
* SUMMARY * OR SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X VOGTLE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATS.....GEORGIA

COUNTY.....BURKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SSE OF
AUGUSTA, GA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 9, 1987
DATE ELEC ENER 1ST GENER...MARCH 27, 1987
DATE COMMERCIAL OPERATE...JUNE 1, 1987
CONDENSER COOLING METHOD...CCCT
CONDENSER COOLING WATER...SAVANNAH RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

CORPORATE ADDRESS.....333 PIEDMONT AVENUE, N.E., P. O. BOX 4545
ATLANTA, GEORGIA 30302

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. ROGGE
LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-424
LICENSE & DATE ISSUANCE...WPF-68, MARCH 16, 1987
PUBLIC DOCUMENT ROOM.....BURKE COUNTY LIBRARY
412 FOURTH ST.
WAYNESBORO, GA. 30830

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

INSPECTION SUMMARY

* INSPECTION MARCH 21-25 (88-12): THIS SPECIAL, ANNOUNCED INSPECTION WAS IN THE AREA OF ENVIRONMENTAL QUALIFICATION (EQ) OF ELECTRICAL EQUIPMENT AND INCLUDED A REVIEW OF GEORGIA POWER COMPANY'S (GPC) IMPLEMENTATION OF A PROGRAM TO MEET THE REQUIREMENTS OF 10 CFR 50.49 FOR CATEGORY B(1), B(2) AND B(3) SAFETY-RELATED EQUIPMENT. THE INSPECTION INCLUDED: WALKDOWNS OF SELECTED EQ EQUIPMENT; EXAMINATION OF EQ FILES; REVIEW OF CORRECTIVE AND PREVENTATIVE MAINTENANCE ON EQ EQUIPMENT; EQ PROCUREMENT; EA/EQ INTERFACES; EQ TRAINING; AND EQ ENGINEERING SUPPORT. DUE TO THE FACT THAT UNIT 1 WAS OPERATING, THE WALKDOWN OF EQUIPMENT WAS LIMITED TO COMPONENTS OUTSIDE CONTAINMENT. THEREFORE, A FUTURE INSPECTION MAY BE PERFORMED TO EXAMINE EQUIPMENT INSIDE CONTAINMENT. HOWEVER, THE CONTROLS AND PROCEDURES WHICH IMPLEMENT THE EQ PROGRAM AT VOGTLE WERE CONSIDERED ADEQUATE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 25-29 (88-19): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO VERIFY CORRECTIVE ACTIONS TO PREVIOUS ENFORCEMENT ISSUES. IN ADDITION, THE READINESS OF UNIT 2 WAS REVIEWED. VIOLATIONS WERE IDENTIFIED IN THE FOLLOWING AREAS: FAILURE TO CONDUCT AN ADEQUATE SEARCH AT THE PROTECTED AREA PORTAL; FAILURE TO DOCUMENT ALL SAFEGUARDS EVENTS; FAILURE TO ACCOUNT FOR ALL SAFEGUARDS INFORMATION. THIS IS CONSIDERED A LICENSEE IDENTIFIED VIOLATION AND, AS SUCH, IS CLOSED.

INSPECTION APRIL 30 - JUNE 6 (88-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED RESIDENT INSPECTION IN THE FOLLOWING AREAS: PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE, SURVEILLANCE, FIRE PROTECTION, SECURITY, EMERGENCY PLANNING, AND QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY. A MEETING WITH THE LOCAL OFFICIALS WAS ALSO CONDUCTED. FOUR VIOLATIONS WERE IDENTIFIED IN WHICH NO NOTICE WAS ISSUED. (TWO VIOLATIONS IN THE AREA OF OPERATIONS - FAILURE TO SAMPLE ACCUMULATOR BORON CONCENTRATION AND FAILURE TO FOLLOW THE ACTION STATEMENT FOR AN INOPERABLE DIESEL. ONE VIOLATION IN THE AREA OF RADIOLOGICAL

Report Period JUN 1988

REPORTS FROM LICENSEE

XX
X VOGTLE 1 X
XX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-015	05/24/88	06/17/88	MISSED SURVEILLANCE DUE TO PERSONNEL ERROR.
88-018	06/06/88	06/29/88	INADEQUATE WORK INSTRUCTIONS LEADS TO TECHNICAL SPECIFICATION VIOLATION.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-397 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2486

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):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>31,087.2</u>
13. Hours Reactor Critical	<u>200.5</u>	<u>2,423.7</u>	<u>22,330.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>340.4</u>
15. Hrs Generator On-Line	<u>90.7</u>	<u>2,266.9</u>	<u>21,408.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>381.7</u>
17. Gross Therm Ener (MWH)	<u>156,036</u>	<u>6,875,734</u>	<u>57,258,501</u>
18. Gross Elec Ener (MWH)	<u>47,840</u>	<u>2,292,160</u>	<u>19,109,300</u>
19. Net Elec Ener (MWH)	<u>45,507</u>	<u>2,211,859</u>	<u>18,379,811</u>
20. Unit Service Factor	<u>12.6</u>	<u>51.9</u>	<u>68.9</u>
21. Unit Avail Factor	<u>12.6</u>	<u>51.9</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>5.8</u>	<u>46.3</u>	<u>54.0</u>
23. Unit Cap Factor (DER Net)	<u>5.7</u>	<u>46.0</u>	<u>53.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>23.8</u>	<u>9.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>709.2</u>	<u>2,354.3</u>

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

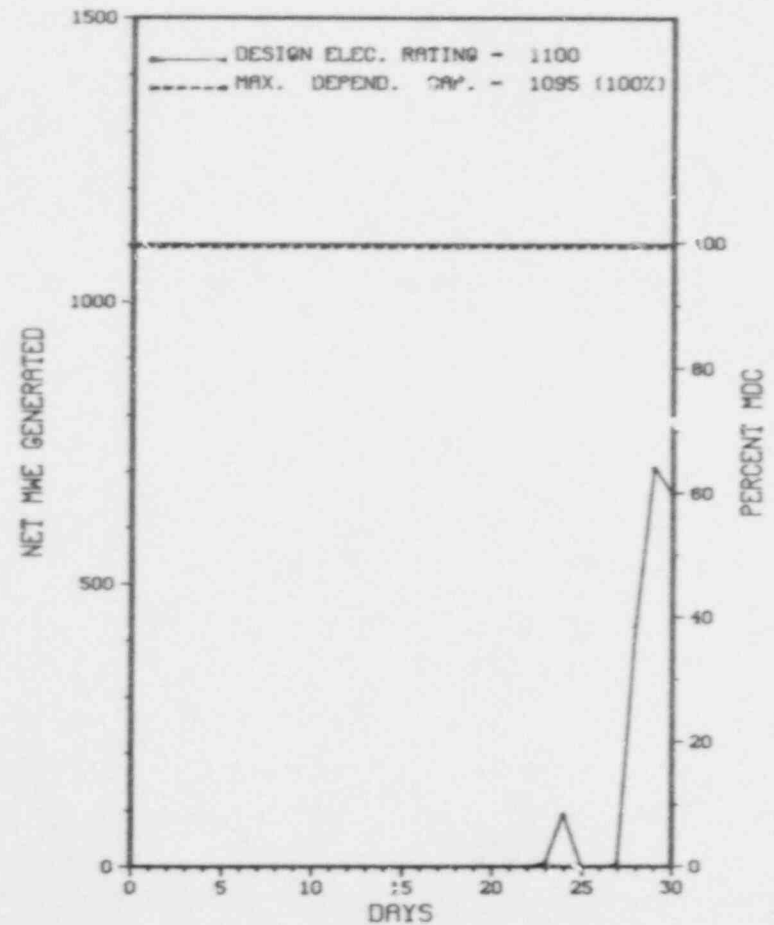
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X WASHINGTON NUCLEAR 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * WASHINGTON NUCLEAR 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	04/30/88	S	550.5	C	4		RC	FUELXX	REFUELING OUTAGE CONCLUDED.
88-08	06/24/88	S	1.6	B	1		HA	MECFUN	GENERATOR WAS REMOVED FROM GRID TO PERFORM OVERSPEED TESTS ON TURBINE.
88-09	06/24/88	S	77.2	B	1		RB	CRDRVE	GENERATOR WAS REMOVED FROM SERVICE FOR SCRAM TESTING PLANT REMAINED DOWN FOR REPLACEMENT OF FAULTY MSIV ACTUATOR.

XXXXXXXXXXXX WNP-2 COMPLETED SCHEDULED REFUELING OUTAGE AND
 * SUMMARY * RETURNED TO POWER IN JUNE. SUBSEQUENTLY
 XXXXXXXXXXXXXXX INCURRED 2 POWER OUTAGES.

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)

* WASHINGTON NUCLEAR 2 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON
COUNTY.....BENTON
DIST AND DIRECTION FROM
NEAREST POPULATION CT...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.....C. BOSTED
LICENSING PROJ MANAGER....R. SAMWORTH
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

INSPECTION STATUS

INSPECTION SUMMARY

- + INSPECTION ON JUNE 1, 1987 - MAY 31, 1988 (REPORT NO. 50-397/88-08) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE.
- + INSPECTION ON APRIL 25 - MAY 12, 1988 (REPORT NO. 50-397/88-12) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGIONALLY BASED INSPECTORS OF OCCUPATIONAL EXPOSURE CONTROL DURING EXTENDED OUTAGES. THIS INCLUDED ORGANIZATION AND MANAGEMENT, TRAINING AND QUALIFICATIONS, INTERNAL AND EXTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIALS, CONTAMINATION, SURVEYS AND MONITORING, MAINTAINING EXPOSURES ALARA, FOLLOWUP OF OPEN ITEMS, AND A TOUR OF THE FACILITY. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. IN GENERAL, THE LICENSEE'S PROGRAMS WERE ADEQUATE. HOWEVER, MORE ATTENTION IS NEEDED IN THE CONTROL OF CONTRACTOR AND NON-HEALTH PHYSICS PERSONNEL AND CONTROL AND POSTING OF RADIATION AND HIGH RADIATION AREAS.
- + INSPECTION ON APRIL 9 - MAY 20, 1988 (REPORT NO. 50-397/88-14) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE (ESF) STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, RADIOLOGICAL PROTECTION PRACTICES, PHYSICAL SECURITY, REVIEW OF PERIODIC AND SPECIAL REPORTS, RESPONSE TO EVENTS, REFUELING ACTIVITIES, LOCAL LEAK RATE TESTING, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. ONE OPEN ITEM WAS CREATED TO FOLLOW-UP THE CLEARANCE ORDER

INSPECTION SUMMARY

CHANGES THAT ARE TO BE MADE AS A RESULT OF TWO INSTANCES WHEREIN WORKERS WERE WORKING ON INADVERTENTLY ENERGIZED EQUIPMENT. ONE UNRESOLVED ITEM WAS IDENTIFIED IN THAT A FUEL BUNDLE WAS STEPPED ON DURING INSPECTION BUT WAS NOT EVALUATED THROUGH THE LICENSEE'S NONCONFORMANCE REPORT PROCESS.

+ INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-397/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 18 - 24, 1988 (REPORT NO. 50-397/88-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 9 - 27, 1988 (REPORT NO. 50-397/88-18) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF INSERVICE INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS ON NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-397/88-19) AREAS INSPECTED: A SPECIAL, ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS TO ASSESS POST-ACCIDENT MONITORING INSTRUMENTATION AT THE WASHINGTON NUCLEAR PROJECT NUMBER 2 (WNP-2). THE INSPECTION ASSESSED THE CONFORMANCE OF WNP-2 TO COMMITMENTS MADE TO REGULATORY GUIDF 1.97, REVISION 2. THIS REPORT ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM (SIMS) ISSUE NUMBER 67.3.3. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 17 - 25, 1988 (REPORT NO. 50-397/88-20) AREAS INSPECTED: ROUTINE PROJECT INSPECTION IN THE AREAS OF MULTIPLANT ACTION ITEM A-15, "INSPECTION FOR VERIFICATION OF QUALITY ASSURANCE REQUEST FOR REGARDING GENERATOR FUEL OIL;" MULTIPLANT ACTION ITEM C-02, "INSPECTION FOR VERIFICATION OF BWR RECIRCULATION PUMP TRIP;" RESPONSE TO NRC BULLETIN 85-03, "MOTOR OPERATED VALVE COMMON MODE FAILURE;" MAINTENANCE PROGRAM IMPLEMENTATION; FOLLOWUP OF INSPECTOR IDENTIFIED ITEMS; ON-SITE REVIEW OF EVENTS, PLANT TOURS, AND REVIEW OF LICENSEE ASSESSMENT OF NRC INFORMATION NOTICE-87-36, "CRACKING OF SURGE RING BRACKETS ON LARGE GENERAL ELECTRIC COMPANY ELECTRIC MOTORS." DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED CONCERNING FAILURE TO PREPARE A NONCONFORMANCE REPORT. IN GENERAL, THE INSPECTOR CONSIDERED THAT HOUSEKEEPING IN CONTAMINATED AREAS OF THE PLANT REQUIRED ADDITIONAL ATTENTION BY PLANT MANAGEMENT.

+ INSPECTION ON MAY 20 - JULY 7, 1988 (REPORT NO. 50-397/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 6 - 9, 1988 (REPORT NO. 50-397/88-22) AREAS INSPECTED: REACTIVE, UNANNOUNCED INSPECTION BY TWO REGIONALLY BASED INSPECTORS OF THE MAY 12, 1988, RADIOACTIVE RESIN SPILL IN THE RADWASTE BUILDING. WHICH RESULTED IN THE DECLARATION OF AN UNUSUAL EVENT. THE INSPECTION INCLUDED A TOUR OF THE FACILITY. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: THE LICENSEE'S EVALUATION OF THE EVENT IDENTIFIED DEFICIENCIES IN PROCEDURAL GUIDANCE, PLANT DRAWINGS, COMPONENT CONDITION, EMERGENCY RESPONSE, AND OPERATOR PERFORMANCE. THE INSPECTION CONFIRMED THE LICENSEE'S FINDINGS. THE INSPECTION IDENTIFIED ADDITIONAL DEFICIENCIES IN THE AREAS OF: OPERATOR KNOWLEDGE OF HIGH RADIATION AREA ACCESS AND IN CONTROL OF HIGH RADIATION AREAS GREATER THAN 1000 MR/HR, WHICH RESULTED IN TWO VIOLATIONS OF TECHNICAL SPECIFICATIONS 6.12.1. AND 6.12.2, RESPECTIVELY.

+ MANAGEMENT MEETING ON JUNE 7, 1988 (REPORT NO. 50-397/88-23) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE WASHINGTON NUCLEAR PLANT NUMBER 2. IN ADDITION, THE MEETING PARTICIPANTS DISCUSSED CONCERNS REGARDING THE NUMBER OF PERSONNEL ERRORS AND NEAR MISSES THAT HAVE OCCURRED AT WNP-2 SINCE THE BEGINNING OF 1988.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ DURING RESTART FROM THE REFUELING OUTAGE, THE HYDRAULIC ACTUATOR FOR AN INBOARD MAIN STEAM ISOLATION VALVE FAILED WHICH RENDERED THE VALVE INOPERABLE. AS A RESULT, THE PLANT WAS SHUTDOWN FOR THREE DAYS TO REPLACE THE ACTUATOR.

+ TURBINE GOVERNOR VALVE VIBRATION WAS IDENTIFIED AS THE PLANT WAS RETURNED TO SERVICE. THIS HAS BEEN AN ON-GOING PROBLEM, AND THE VALVES WERE REPOSITIONED TO MINIMIZE THE VIBRATION PROBLEMS. THE LICENSEE WILL CONTINUE AN INVESTIGATION AS TO THE SOURCE OF THE VIBRATION.

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT WAS RESTARTED ON JUNE 26 FROM ITS THIRD REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 05/20 - 07/07/88+

INSPECTION REPORT NO: 50-397/88-21+

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
88-08-10	03-18-88	04-22-88	TECH SPEC FIRE PENETRATION SEALS IMPAIRED/UNSEALED

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: GEORGE MILLER (504) 467-8211

4. Licensed Thermal Power (MWT): 3390

5. Nameplate Rating (Gross MWe): 1153

6. Design Electrical Rating (Net MWe): 1104

7. Maximum Dependable Capacity (Gross MWe): 1120

8. Maximum Dependable Capacity (Net MWe): 1075

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>24,264.0</u>
13. Hours Reactor Critical	<u>692.2</u>	<u>2,860.9</u>	<u>18,965.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>674.5</u>	<u>2,730.3</u>	<u>18,544.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,934,985</u>	<u>8,796,024</u>	<u>60,256,996</u>
18. Gross Elec Ener (MWH)	<u>636,710</u>	<u>2,961,440</u>	<u>20,342,250</u>
19. Net Elec Ener (MWH)	<u>600,552</u>	<u>2,805,157</u>	<u>19,337,615</u>
20. Unit Service Factor	<u>93.7</u>	<u>62.5</u>	<u>76.4</u>
21. Unit Avail Factor	<u>93.7</u>	<u>62.5</u>	<u>76.4</u>
22. Unit Cap Factor (MDC Net)	<u>77.6</u>	<u>59.8</u>	<u>74.1</u>
23. Unit Cap Factor (DER Net)	<u>75.6</u>	<u>58.2</u>	<u>72.2</u>
24. Unit Forced Outage Rate	<u>5.5</u>	<u>5.2</u>	<u>9.2</u>
25. Forced Outage Hours	<u>39.4</u>	<u>150.7</u>	<u>1,879.5</u>

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

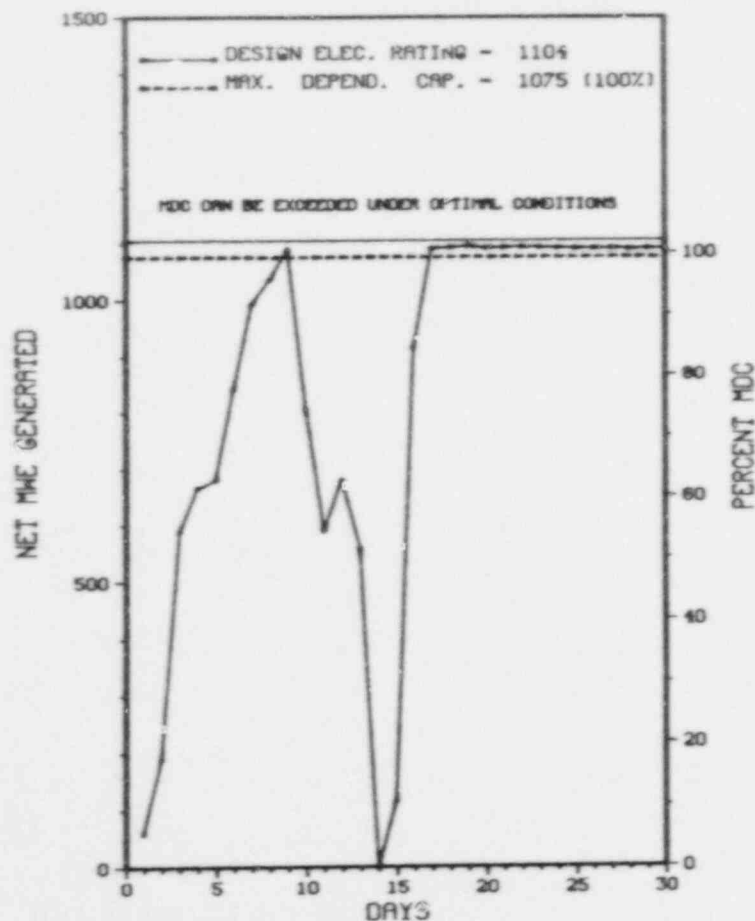
NONE

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

 * WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-04	06/01/88	S	6.1	B	9		TA	TRB	TURBINE OVERSPEED TEST.
88-05	06/10/88	F	0.0	H	5		SJ	P	UNIT LOAD REDUCTION DUE TO HIGH VIBRATION ON A STEAM GENERATOR FEED PUMP.
88-06	06/13/88	F	39.4	H	1	88-015	AB	V	UNIT SHUTDOWN DUE TO EXCESSIVE REACTOR COOLANT SYSTEM LEAKAGE.

 * SUMMARY *

 WATERFORD 3 INCURRED 1 POWER REDUCTION AND 2 OUTAGES IN JUNE FOR REASONS STATED 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)

X WATERFORD 3 X

FACILITY DATA

Report Period JUN 1988

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.....T. STAKER
LICENSING PROJ MANAGER.....D. WIGGINTON
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 MARCH 16 - APRIL 30, 1988 (88-08) ROUTINE, UNANNOUNCED INSPECTION CONSISTING OF ONSITE FOLLOWUP OF EVENTS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, COMPLEX SURVEILLANCE, REFUELING ACTIVITY OBSERVATION, ENGINEERED SAFETY FEATURE, SYSTEM WALKDOWN, OPERATIONAL SAFETY VERIFICATION, AND PLANT STATUS. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED. THERE WERE TWO NEW UNRESOLVED ITEMS.

INSPECTION CONDUCTED APRIL 18-22, 1988 (88-10) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE CORRECTIVE ACTION PROGRAM EFFECTIVENESS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED MAY 1-6, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING THE CYCLE-2 REFUELING OUTAGE. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 31 - JUNE 3, 1988 (88-17) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S STARTUP TESTING. ONE VIOLATION WAS IDENTIFIED, NO DEVIATIONS WERE IDENTIFIED.

Report Period JUN 1988

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

* WATERFORD 3 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DURING 151 OF REACTOR VESSEL FOUND THREE UNACCEPTABLE DEFECTS IN HOT LEG WELD. LICENSEE'S ANALYSES SHOW IT NOT TO PRECLUDED CONTINUED OPERATION. REPORT IS UNDER NRR REVIEW. MSIV-B INTERNALS CAME APART SOMETIME DURING OPERATION. PARTS FOUND AT TURBINE THROTTLE. MSIV-A HAD SIMILAR FAILURES. DID NOT SEEM TO AFFECT OPERATION. THESE ARE WKM 40X30X40 GATE VALVES.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT STARTUP AND BACK ON GRID JUNE 1, 1988. TRIP ON S/G LEVEL ON.

LAST IE SITE INSPECTION DATE: JUNE 3, 1988

INSPECTION REPORT NO: 50-382/88-17

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

=====

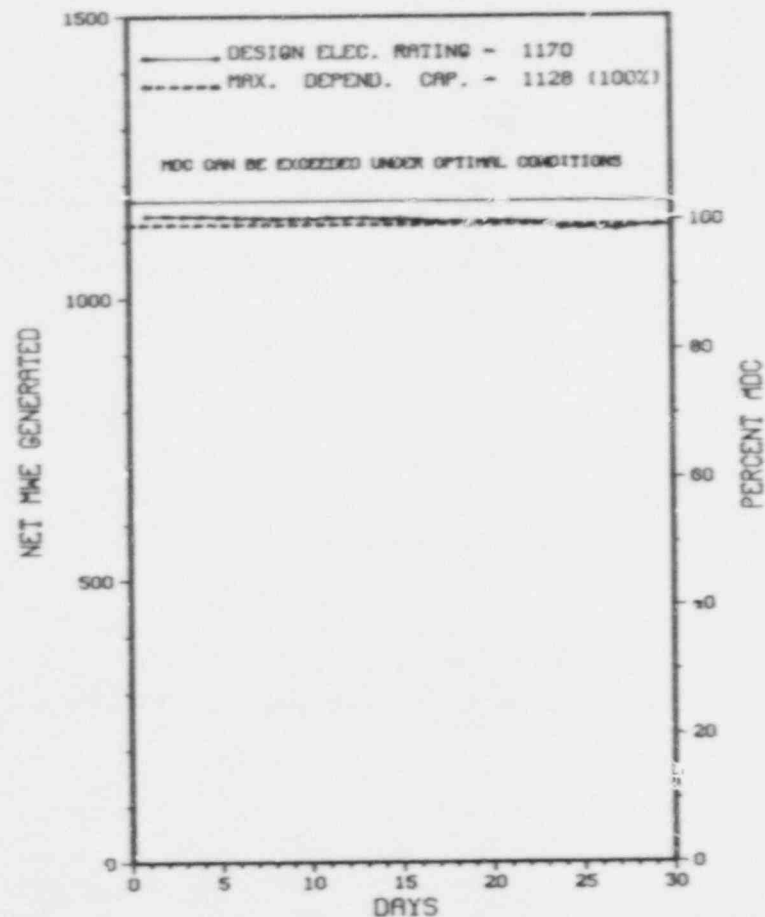
1. Docket: 50-482 OPERATING STATUS
2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0
3. Utility Contact: M. WILLIAMS (316) 364-8831
4. Licensed Thermal Power (MHT): 3411
5. Nameplate Rating (Gross MWe): 1250
6. Design Electrical Rating (Net MWe): 1170
7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>4,367.0</u>	<u>24,766.7</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,763.6</u>	<u>19,230.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>89.5</u>	<u>339.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,610.4</u>	<u>18,813.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,451,743</u>	<u>12,138,417</u>	<u>61,564,801</u>
18. Gross Elec Ener (MWH)	<u>850,679</u>	<u>4,243,459</u>	<u>21,432,350</u>
19. Net Elec Ener (MWH)	<u>817,021</u>	<u>4,058,245</u>	<u>20,470,553</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.7</u>	<u>76.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.7</u>	<u>76.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>82.4</u>	<u>73.3</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>79.4</u>	<u>70.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.1</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>640.7</u>	<u>1,517.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>REFUELING, OCTOBER 1, 1988, 62 DAY DURATION.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

XX
 X WOLF CREEK 1 X
 XX
 AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X WOLF CREEK 1 X
XX

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

NONE

XXXXXXXXXXXX WOLF CREEK OPERATED ROUTINELY IN JUNE WITH
* SUMMARY * NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X WOLF CREEK 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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. O'CONNOR
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 64801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED APRIL 1 - MAY 14, 1988 (88-16) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE EVENT FOLLOWUP, RADIOLOGICAL PROTECTION, AND PHYSICAL SECURITY VERIFICATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 2-6, 1988 (88-17) ROUTINE, UNANNOUNCED INSPECTION OF ACTIVITIES ASSOCIATED WITH FOLLOWUP TO LICENSEE EVENT REPORTING, MODIFICATION TESTING, AND SURVEILLANCE PROCEDURES AND RECORDS. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWT): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

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

11. Reasons for Restrictions, If Any:
NONE

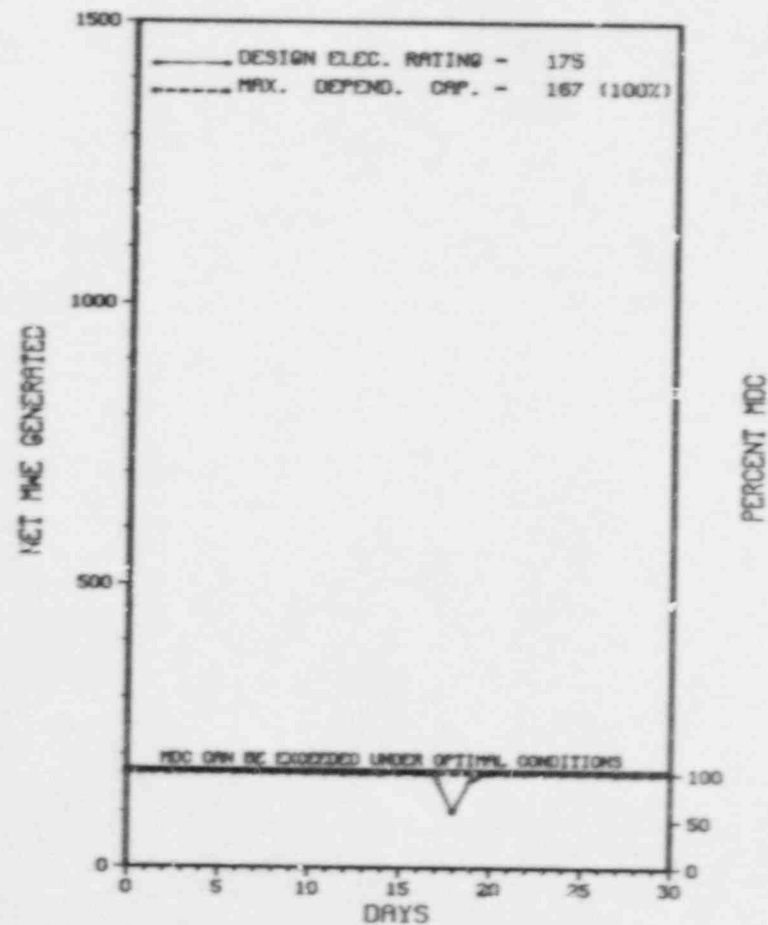
XX
 X YANKEE-ROWE 1 X
 XX
 AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>242,132.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,264.7</u>	<u>195,377.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,203.6</u>	<u>190,285.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>424,166</u>	<u>2,369,279</u>	<u>103,982,304</u>
18. Gross Elec Ener (MWH)	<u>127,228</u>	<u>717,821</u>	<u>31,502,766</u>
19. Net Elec Ener (MWH)	<u>119,325</u>	<u>671,275</u>	<u>29,475,819</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.3</u>	<u>78.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.3</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>92.0</u>	<u>74.7*</u>
23. Unit Cap Factor (DER Net)	<u>94.7</u>	<u>87.8</u>	<u>71.2*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.9</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>124.9</u>	<u>9,028.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, NOVEMBER 12, 1988, 7 WEEK DURATION.

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



JUNE 1988

* Item calculated with a Weighted Average

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X YANKEE-ROWE 1 X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-15	06/17/88	S	0.0	A	5				LEAK TESTED CONDENSER TUBES AND PLUGGED SEVERAL. TESTED THROTTLE VALVES AND NRV'S.

XXXXXXXXXXXX YANKEE ROWE INCURRED 1 POWER REDUCTION IN JUNE
X SUMMARY X FOR REASONS STATED ABOVE.
XXXXXXXXXXXX

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-1161)

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR....25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELFC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE....JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER....M. FAIRFIE
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 JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X YANKEE-RONE 1 X
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: 50-295 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (Mkt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, if Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>9,367.0</u>	<u>127,103.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,643.9</u>	<u>88,729.3</u>
14. Rx Reserve Shtdwn :	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,570.6</u>	<u>86,111.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>2,220,082</u>	<u>7,676,413</u>	<u>98,902,740</u>
18. Gross Elec Ener (MMH)	<u>749,844</u>	<u>2,599,802</u>	<u>79,815,411</u>
19. Net Elec Ener (MMH)	<u>719,994</u>	<u>2,475,362</u>	<u>75,847,755</u>
20. Unit Service Factor	<u>100.0</u>	<u>58.9</u>	<u>67.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>58.9</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>54.5</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>54.5</u>	<u>57.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>12.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>12.0</u>	<u>11,680.2</u>

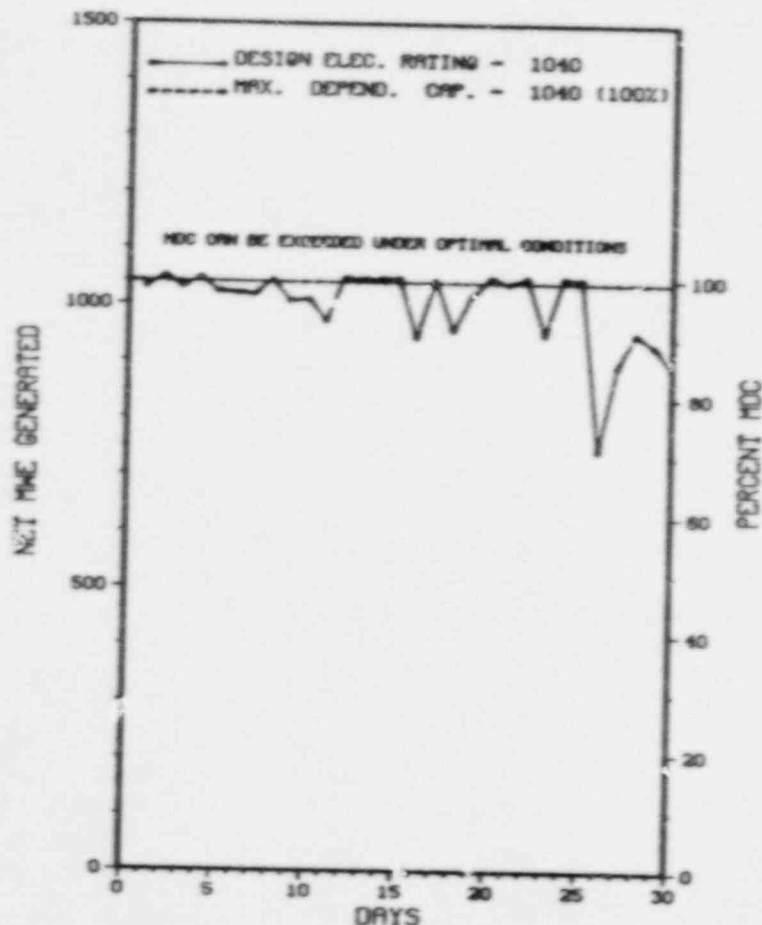
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
X ZION 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ZION 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX ZION 1 OPERATED ROUTINELY IN JUNE WITH NO TAGES
* SUMMARY * OR SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXXXX

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 JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE...DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....WAUKEGAN PUBLIC LIBRARY
128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 24 THROUGH APRIL 7 (88002; 88003): A REVIEW OF THE ALLEGATIONS RECEIVED BY REGION III WHICH INCLUDE DRUG USE BY PERSONNEL EMPLOYED AT ZION STATION, THE ADMINISTRATION OF THE CPP/PINKERTON FITNESS FOR DUTY PROGRAM, THE HARASSMENT OF AN INDIVIDUAL WHO CAME FORWARD WITH A SAFETY CONCERN AND A REVIEW OF THE LICENSEE'S INVESTIGATION INTO THESE MATTERS. WE DETERMINED THAT THE LICENSEE AND CPP/PINKERTON MANAGEMENT TOOK APPROPRIATE AND TIMELY ACTIONS ON ALL ALLEGED SAFETY AND SECURITY CONCERNS.

INSPECTION FROM APRIL 14 THROUGH JUNE 3 (88012; 88013): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; SUMMARY OF OPERATIONS; UNIT 1 STARTUP FROM REFUELING; TESTING OF ACCUMULATOR BACKUP CHECK VALVES; UNUSUAL EVENT DUE TO FAILURE TO TEST BLACKOUT LOGIC; ENGINEERED SAFETY FEATURES (ESF) ACTUATION; UNIT 1 REACTOR TRIP; OPERATIONAL SAFETY VERIFICATION AND ESF SYSTEM WALKDOWN; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; LICENSEE EVENT REPORTS (LERS); TRAINING; AND FOLLOWUP OF REGION III REQUESTS. OF THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS, AND SIX VIOLATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS. SEVERAL TEST PROCEDURE DEFICIENCIES WERE IDENTIFIED, AS WELL AS FAILURES TO FOLLOW THE PROCEDURES, TO MAINTAIN RETRIEVABLE TEST RECORDS AND TO MAKE PROPER LOG ENTRIES. SOME OF THESE DEFICIENCIES WERE REPETITIVE IN NATURE. IN ADDITION, A RESPONSE TO AN NRC NOTICE OF VIOLATION WAS FOUND TO BE INACCURATE, TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE REQUIREMENTS WERE NOT PROPERLY INCORPORATED INTO PLANT TESTING PROCEDURES, AND A CHANGE TO THE PLANT WAS NOT CONTROLLED IN ACCORDANCE WITH DESIGN CONTROL PROCEDURES. NONE OF THESE VIOLATIONS ALONE REPRESENTED A SIGNIFICANT INCREASE IN RISK TO MEMBERS OF THE GENERAL PUBLIC OR TO PLANT WORKERS, BUT TAKEN TOGETHER, THEY INDICATE A NEED FOR INCREASED ATTENTION TO DETAIL AND MANAGEMENT OVERSIGHT.

INSPECTION ON APRIL 18-29 (88011; 88012): ROUTINE, ANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING A

Report Period JUN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ZION 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11	05-0788	06-0688	REACTOR TRIP DUE TO GENERATOR TRIP/OVER EXCITATION

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-304 OPERATING STATUS

2. Reporting Period: 06/01/88 Outage + On-line Hrs: 720.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, If Any:
NONE

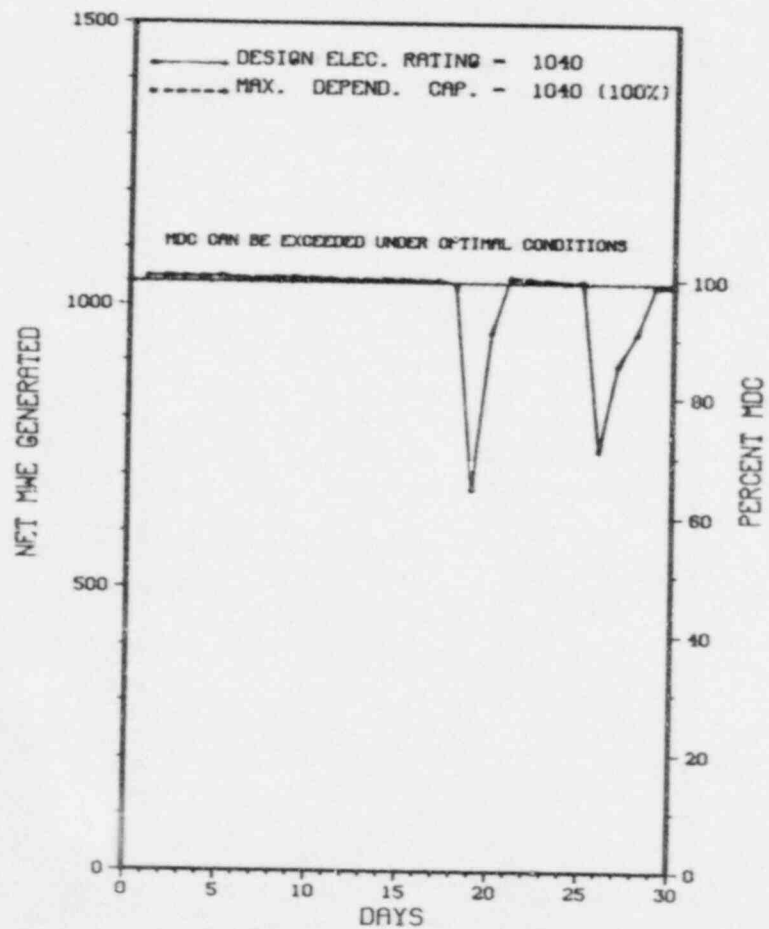
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,367.0</u>	<u>120,816.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,367.0</u>	<u>89,139.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.0</u>	<u>86,731.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,286,703</u>	<u>13,356,193</u>	<u>258,049,960</u>
18. Gross Elec Ener (MWH)	<u>770,795</u>	<u>4,499,787</u>	<u>81,841,920</u>
19. Net Elec Ener (MWH)	<u>740,676</u>	<u>4,313,929</u>	<u>77,939,749</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>98.9</u>	<u>95.0</u>	<u>62.0</u>
23. Unit Cap Factor (DER Net)	<u>98.9</u>	<u>95.0</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,795.9</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ZION 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ZION 2



JUNE 1988

Report Period JUN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ZION 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

* (XXXXXXX)
* SUMMARY *
XXXXXXXXXXXX

ZION 2 OPERATED ROUYINELY IN JUNE WITH NO OUTAGES
OR SIGNIFICANT POWER REDUCTINS.

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 ZION 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period JUN 1988

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.....WAUKEGAN PUBLIC LIBRARY
128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 24 THROUGH APRIL 7 (88002; 88003): A REVIEW OF THE ALLEGATIONS RECEIVED BY REGION III WHICH INCLUDE DRUG USE BY PERSONNEL EMPLOYED AT ZION STATION, THE ADMINISTRATION OF THE CPP/PINKERTON FITNESS FOR DUTY PROGRAM, THE HARASSMENT OF AN INDIVIDUAL WHO CAME FORWARD WITH A SAFETY CONCERN AND A REVIEW OF THE LICENSEE'S INVESTIGATION INTO THESE MATTERS. WE DETERMINED THAT THE LICENSEE AND CPP/PINKERTON MANAGEMENT TOOK APPROPRIATE AND TIMELY ACTIONS ON ALL ALLEGED SAFETY AND SECURITY CONCERNS.

INSPECTION FROM APRIL 14 THROUGH JUNE 3 (88012; 88013): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; SUMMARY OF OPERATIONS; UNIT 1 STARTUP FROM REFUELING; TESTING OF ACCUMULATOR BACKUP CHECK VALVES; UNUSUAL EVENT DUE TO FAILURE TO TEST BLACKOUT LOGIC; ENGINEERED SAFETY FEATURES (ESF) ACTUATION; UNIT 1 REACTOR TRIP; OPERATIONAL SAFETY VERIFICATION AND ESF SYSTEM WALKDOWN; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; LICENSEE EVENT REPORTS (LERS); TRAINING; AND FOLLOWUP OF REGION III REQUESTS. OF THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS, AND SIX VIOLATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS. SEVERAL TEST PROCEDURE DEFICIENCIES WERE IDENTIFIED, AS WELL AS FAILURES TO FOLLOW THE PROCEDURES, TO MAINTAIN RETRIEVABLE TEST RECORDS AND TO MAKE PROPER LOG ENTRIES. SOME OF THESE DEFICIENCIES WERE REPETITIVE IN NATURE. IN ADDITION, A RESPONSE TO AN NRC NOTICE OF VIOLATION WAS FOUND TO BE INACCURATE. TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE REQUIREMENTS WERE NOT PROPERLY INCORPORATED INTO PLANT TESTING PROCEDURES, AND A CHANGE TO THE PLANT WAS NOT CONTROLLED IN ACCORDANCE WITH DESIGN CONTROL PROCEDURES. NONE OF THESE VIOLATIONS ALONE REPRESENTED A SIGNIFICANT INCREASE IN RISK TO MEMBERS OF THE GENERAL PUBLIC OR TO PLANT WORKERS, BUT TAKEN TOGETHER, THEY INDICATE A NEED FOR INCREASED ATTENTION TO DETAIL AND MANAGEMENT OVERSIGHT.

INSPECTION ON APRIL 18-29 (88011; 88012): ROUTINE, ANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING A

Report Period JUN 1988

INSPECTION STATUS - (CONTINUED)

XXX
X ZION 2 X
XXX

INSPECTION REPORT NO: 88015

REPORTS FROM LICENSEE

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

SECTION 3

APPENDIX

* PRESSURIZED*

* WATER *

* REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY *****	(a)		REMAINING CAPACITY		(b)		
	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL PRESENT FUEL CAPACITY
*****	*****	*****	*****	*****	*****	*****	*****
ARKANSAS 1	177	968	488	480			
ARKANSAS 2	177	988	289	699		09-88	1997
BEAVER VALLEY 1	157	833	284	549		02-88	1999
BEAVER VALLEY 2						12-87	1995
BRAIDWOOD 1	193	1050	0	1050		N/S	
BRAIDWOOD 2	193	1050	0	1050		N/S	
BYRON 1	193	1050	0	1050		N/S	1995
BYRON 2	193	1050	0	1050		N/S	
CALLAWAY 1	193	1340	180	1160		03-89	2005
CALVERT CLIFFS 1	217	1830(c)	1138(c)	692(c)		04-88	1991
CALVERT CLIFFS 2	217					04-89	1991
CATANBA 1	193	1418	132	1286		12-88	2011
CATANBA 2	193	1418	0	1418		12-87	2013
COOK 1	193	2050(c)	866(c)	1184(c)		N/S	1994
COOK 2	193					N/S	1994
CRYSTAL RIVER 3	177	1163	328	829		09-87	1997
DAVIS-BESSE 1	177	735	204	531		03-88	1993
DIABLO CANYON 1	193	1400	0	1400		03-88	1993
DIABLO CANYON 2	193	1400		1400		N/S	
FARLEY 1	157	1407	273	1134		03-88	1991
FARLEY 2	157	1407	240	1167		10-87	1994
FORT CALHOUN 1	133	729	393	336		09-88	1996
GINNA	121	1016	420	596		02-88	1993
HADDAM NECK	157	1168	653	515		07-87	1996
HARRIS 1	157		0			N/S	
INDIAN POINT 1(d)	0	288	160	128		N/S	
INDIAN POINT 2	193	980	460	520		10-87	1993
INDIAN POINT 3	193	840	292	548		N/S	1993
KEWAUNEE	121	990	376	614(m)		03-88	1993
MAINE YANKEE	217	1476	721	755		N/S	1987
MCGUIRE 1	193	1463	293	1170(n)		11-88	2010
MCGUIRE 2	193	1463	424	1039		05-88	2010
MILLSTONE 2	217	1277	512	765		01-88	1994
MILLSTONE 3	193	756	84	672		06-89	1996
NORTH ANNA 1	157	1737(c)	520(c)	1217		04-87	1993
NORTH ANNA 2	157					10-87	1993
OCONEE 1	177	1312(l)	874	438(l)(n)		02-89	1991
OCONEE 2	177					02-88	1991
OCONEE 3	177	875	513	362		07-88	1991
PALISADES	204	798	477	321		N/S	2002
PALO VERDE 1	241	1329	80	1249		10-87	2006
PALO VERDE 2	241	1329	0	1329		02-88	2006
PALO VERDE 3	241	1329	0	0		02-89	2007
POINT BEACH 1	121	1502(c)	875(c)	627(c)		04-88	1995
POINT BEACH 2	121					N/S	1995
PRAIRIE ISLAND 1	121	1586(c)	781(c)	805(c)(m)		N/S	1993
PRAIRIE ISLAND 2	121					01-88	1993

Report Period JUN 1988

* 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 (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	RANCHO SECO 1	177	1080	316	764		03-89
ROBINSON 2	157	541	274	266(e)	379	N/S	1988(g)
SALEM 1	193	1170	464	706		03-89	2001
SALEM 2	193	1170	224	946		09-88	2003
SAN ONOFRE 1	157	216	146	70		07-88	1988
SAN ONOFRE 2	217	800	268	532		08-89	1997
SAN ONOFRE 3	217	800	160	640		04-88	1997
SEQUOYAH 1	193	1386	348	1033		N/S	1994
SEQUOYAH 2	193					N/S	1994
SOUTH TEXAS 1	0	0	0	0			
ST LUCIE 1	217	728	372	356		N/S	1993
ST LUCIE 2	217	1076	152	924		N/S	1993
SUMMER 1	157	1276	96	1180		N/S	2008
SURRY 1	157	1044(c)	901(c)	143(c)		N/S	1987
SURRY 2	157					N/S	1987
THREE MILE ISLAND 1	177	752	284	468		07-88	1991
THREE MILE ISLAND 2	177	442	0	442		N/S	
TROJAN	193	1408	425	983		04-88	1993
TURKEY POINT 3	157	1404	445	959(m)		N/S	1993
TURKEY POINT 4	157	1404	482	922		N/S	1993
VOGTLE 1	0	0	0	0		N/S	
WATERFORD 3	217	1088	0	1088		N/S	1993
WOLF CREEK 1	193	1340	0	1340		04-88	
YANKEE-ROWE 1	76	721	325	396		N/S	1993
ZION 1	193	2112(c)	1148(c)	964(c)		02-88	1995
ZION 2	193					10-88	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

Report Period JUN 1988

XXXXXXXXXXXXXXXX

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

XXXXXXXXXXXXXXXX

FACILITY XXXXXXXX	(a)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) XXXXXXXXXXXXXXXX	NO. OF ASSEMBLIES STORED XXXXXXXXXX	REMAINING CAPACITY (NO. OF ASSEMBLIES) XXXXXXXXXXXXXXXXXXXXXXXX	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) XXXXXXXXXXXXXXXXXXXX	NEXT REFUEL SCHED. DATE XXXXXXXXXX	(b)
	CORE SIZE (NO. OF ASSEMBLIES) XXXXXXXXXX						WILL FILL PRESENT AUTH. CAPACITY XXXXXXXXXXXXXXXXXXXX
BIG ROCK POINT 1	84	441	212			04-88	1995
BROWNS FERRY 1	764	3471	1288			N/S	1993
BROWNS FERRY 2	764	3471	1161		2310(m)	N/S	1993
BROWNS FERRY 3	764	3471	1004		2467(m)	N/S	1993
BRUNSWICK 1	560	1803		160PWR+1016BWR	787	11-88	1990
BRUNSWICK 2	560	1839		144PWR+940BWR	899	01-88	1991
CLINTON 1	624	2672	0		2672	12-89	2010
COOPER STATION	548	2366	790		1576	03-88	1996
DRESDEN 1 (d)	464	672	221		451	N/S	1990
DRESDEN 2	724	3537	1413		2124	N/S	1993
DRESDEN 3	724	3537	1271		2266	03-88	1993
DUANE ARNOLD	368	2050	824		1226	10-88	1998
FERMI 2						N/S	
FITZPATRICK	560	2244	1200		484	08-83	1992
GRAND GULF 1	800	1440	0		1440	11-87	1993
HATCH 1	560	6026	1580		4446	N/S	1999
HATCH 2	560				1325	03-88	1999
HOPE CREEK 1						02-88	
HUMBOLDT BAY(d)	172	487	251		236	N/S	
LA CROSSE (d)	72	440	261		179	N/S	1992
LASALLE 1	764	2162	191		1971	03-88	1988
LASALLE 2	764					N/S	1988
LIMERICK 1	764	2040	0		2040	N/S	1993
MILLSTONE 1	580	2184	1732		452	03-89	1987

***** * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * (a) *****							
FACILITY *****	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY ***** (b)
MONTICELLO	484	2237	822	1415		12-87	1999
NINE MILE POINT 1	532	2776	1377	1399	1788	03-88	1996
NINE MILE POINT 2						N/S	
OYSTER CREEK 1	560	2600	1392	1208		N/S	1994
PEACH BOTTOM 2	764	3819	1462	2357		03-87	1995
PEACH BOTTOM 3	764	3819	1496	2323		03-87	1996
PERRY 1	0	0	0	0		N/S	
PILGRIM 1	580	2320	1320	1000		09-89	1990
QUAD CITIES 1	724	3657	1773	1884		06-89	2008
QUAD CITIES 2	724	3897	1311	2586		04-88	2008
RIVER BEND 1						09-87	
SUSQUEHANNA 1	764	2840	382	2458		N/S	1997
SUSQUEHANNA 2	764	2840	0	2840		03-88	1997
VERMONT YANKEE 1	368	2000	1296	704		N/S	1992
WASHINGTON NUCLEAR*	764	2658	272	2386		04-88	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
WFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
- (b) Some of these dates have been adjusted by staff assumptions.
- (c) This is the total for both units.
- (d) Plant not in commercial operation.
- (e) Some spent fuel stored at Brunswick.
- (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
- (g) Robinson 2 assemblies being shipped to Brunswick for storage.
- (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
- (i) No longer accepting spent fuel.
- (j) Racked for 700 MTU.
- (k) Reserved.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

*****				*****				*****			
	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT		
* LICENSED *	13.92	08/01/74	ARKANSAS 1	9.51	12/26/78	ARKANSAS 2	12.05	06/14/76	BEAVER VALLEY 1		
* OPERATING *	.87	08/17/87	BEAVER VALLEY 2	25.56	12/08/62	BIG ROCK POINT 1	.97	07/12/87	BRAIDWOOD 1		
* ELECTRICAL *	.10	05/25/88	BRAIDWOOD 2	14.71	10/15/73	BROWNS FERRY 1	13.84	08/28/74	BROWNS FERRY 2		
* PRODUCING *	11.80	09/12/76	BROWNS FERRY 3	11.57	12/04/76	BRUNSWICK 1	13.17	04/29/75	BRUNSWICK 2		
* UNITS *	3.33	03/01/85	BYRON 1	1.40	02/06/87	BYRON 2	3.69	10/24/84	CALLAWAY 1		
*****	13.49	01/03/75	CALVERT CLIFFS 1	11.56	12/07/76	CALVERT CLIFFS 2	3.44	01/22/85	CATAHBA 1		
	2.12	05/18/86	CATAHBA 2	1.19	04/24/87	CLINTON 1	13.39	02/10/75	COOK 1		
	10.03	03/22/78	COOK 2	14.14	05/10/74	COOPER STATION	11.42	01/30/77	CRYSTAL RIVER 3		
	10.04	08/28/77	DAVIS-BESSE 1	3.64	11/11/84	DIABLO CANYON 1	2.70	10/20/85	DIAPLO CANYON 2		
	18.22	04/13/70	DRESDEN 2	16.94	07/22/71	DRESDEN 3	14.12	05/19/74	DUANE ARNOLD		
	10.87	08/18/77	FARLEY 1	7.10	05/25/81	FARLEY 2	1.78	09/21/86	FERMI 2		
	13.41	02/01/75	FITZPATRICK	14.85	08/25/73	FORT CALHOUN 1	11.55	12/11/76	FORT ST VRAIN		
	18.58	12/02/69	GINNA	3.70	10/20/84	GRAND GULF 1	20.90	08/07/67	HADDAM NECK		
	1.45	01/19/87	HARRIS 1	13.64	11/11/74	HATCH 1	9.77	09/22/78	HATCH 2		
	1.92	08/01/86	HOPE CREEK 1	15.01	06/26/73	INDIAN POINT 2	12.18	04/27/76	INDIAN POINT 3		
	14.23	04/08/74	KEWAUNEE	5.82	09/04/82	LASALLE 1	4.20	04/20/84	LASALLE 2		
	3.22	04/13/85	LIMERICK 1	15.64	11/08/72	MAINE YANKEE	7.00	06/30/81	MCGUIRE 1		
	5.11	05/23/83	MCGUIRE 2	17.59	11/29/70	MILLSTONE 1	12.64	11/09/75	MILLSTONE 2		
	2.38	02/12/86	MILLSTONE 3	17.33	03/05/71	MONTICELLO	18.64	11/09/69	NINE MILE POINT 1		
	.90	08/08/87	NINE MILE POINT 2	10.21	04/17/78	NORTH ANNA 1	7.85	08/25/80	NORTH ANNA 2		
	15.15	05/06/73	OCONEE 1	14.57	12/05/73	OCONEE 2	13.83	09/01/74	OCONEE 3		
	18.77	09/23/69	OYSTER CREEK 1	16.50	12/31/71	PALISADES	3.06	06/10/85	PALO VERDE 1		
	2.12	05/20/86	PALO VERDE 2	.59	11/28/87	PALO VERDE 3	14.37	02/18/74	PEACH BOTTOM 2		
	13.83	09/01/74	PEACH BOTTOM 3	1.53	12/19/86	PERRY 1	15.95	07/19/72	PILGRIM 1		
	17.65	11/06/70	POINT BEACH 1	15.91	08/02/72	POINT BEACH 2	14.57	12/04/73	PRAIRIE ISLAND 1		
	13.53	12/21/74	PRAIRIE ISLAND 2	16.22	04/12/72	QUAD CITIES 1	16.11	05/23/72	QUAD CITIES 2		
	13.72	10/13/74	RANCHO SECO 1	2.58	12/03/85	RIVER BEND 1	17.76	09/26/70	ROBINSON 2		
	11.52	12/25/76	SALEM 1	7.08	06/03/81	SALEM 2	20.96	07/16/67	SAN ONOFRE 1		
	5.78	09/20/82	SAN ONOFRE 2	4.77	09/25/83	SAN ONOFRE 3	7.94	07/22/80	SEQUOYAH 1		
	6.52	12/23/81	SEQUOYAH 2	.25	03/30/88	SOUTH TEXAS 1	12.15	05/07/76	ST LUCIE 1		
	5.05	06/13/83	ST LUCIE 2	5.62	11/16/82	SUMMER 1	15.99	07/04/72	SURRY 1		
	15.31	03/10/73	SURRY 2	5.62	11/16/82	SUSQUEHANNA 1	3.99	07/03/84	SUSQUEHANNA 2		
	14.03	06/19/74	THREE MILE ISLAND 1	12.52	12/23/75	TROJAN	15.66	11/02/72	TURKEY POINT 3		
	15.03	06/21/73	TURKEY POINT 4	15.78	09/20/72	VERMONT YANKEE 1	1.26	03/27/87	VOGTLE 1		
	4.10	05/27/84	WASHINGTON NUCLEAR 2	3.29	03/18/85	WATERFORD 3	3.05	06/12/85	WOLF CREEK 1		
	27.64	11/10/60	YANKEE-ROWE 1	15.01	06/28/73	ZION 1	14.51	12/26/73	ZION 2		
TOTAL	1112.24	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 *	19.01	04/26/68	04/30/87	LA CROSSE	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	93.78	YRS							

Report Period JUN 1988

 * 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	05-03-56	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	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
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0

 * 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	LOWELL WORCESTER	UNIVERSITY OF LOWELL WORCESTER POLYTECHNIC INSTITUTE	GE	50-223	R-125	12-24-74	1000.0
			GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR EAST LANSING MIDLAND	UNIVERSITY OF MICHIGAN MICHIGAN STATE UNIVERSITY DOW CHEMICAL COMPANY	POOL	50-002	R-28	09-13-57	2000.0
			TRIGA MARK I	50-294	R-114	03-21-69	250.0
			TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA ROLLA	UNIVERSITY OF MISSOURI, COLUMBIA UNIVERSITY OF MISSOURI	TANK	50-186	R-103	10-11-66	10000.0
			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 BUFFALO ITHACA ITHACA NEW YORK TUXEDO	MANHATTAN COLLEGE - PHYSICS DEPT. STATE UNIVERSITY OF NEW YORK CORNELL UNIVERSITY CORNELL UNIVERSITY COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK CINTICHEM INC.	TANK	50-199	R-94	03-24-64	0.0001
			PULSTAR	50-057	R-77	03-24-61	2000.0
			TRIGA MARK II	50-157	R-30	01-11-62	100.0
			ZPR	50-097	R-89	12-11-62	0.1
			TRIGA MARK II	50-208	R-128	04-14-77	250.0
			POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
OREGON	CORVALLIS PORTLAND	OREGON STATE UNIVERSITY REED COLLEGE	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
			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 COLLEGE STATION COLLEGE STATION	UNIVERSITY OF TEXAS TEXAS A&M UNIVERSITY TEXAS A&M UNIVERSITY	TRIGA MARK I	50-192	R-92	08-26-63	250.0
			AGN-201M #106	50-059	R-23	08-26-57	0.005
			TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO SALT LAKE CITY	BRIGHAM YOUNG UNIVERSITY THE UNIVERSITY OF UTAH	L-77	50-262	R-109	09-07-67	0.01
			TRIGA MARK I	50-407	R-126	09-30-75	100.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M	#107 50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE UNIVERSITY OF VIRGINIA UNIVERSITY OF VIRGINIA BABCOCK & WILCOX COMPANY	UTR-10	50-124	R-62	12-18-59	100.0
			CAVALIER	50-396	R-123	09-24-74	0.1
			POOL	50-062	R-66	06-27-60	2000.0
			LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY UNIVERSITY OF WASHINGTON	TRIGA	58-027	R-76	03-06-61	1000.0
			ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
WASHINGTON	RICHLAND	BATTTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

NRC FORM 335 (2-84) NRCM 1102, 3201, 3202	U.S. NUCLEAR REGULATORY COMMISSION BIBLIOGRAPHIC DATA SHEET	REPORT NUMBER (Assigned by TIDC, add Vol. No., if any) NUREG-0020 Volume 12, No. 7				
SEE INSTRUCTIONS ON THE REVERSE		3. LEAVE BLANK				
2. TITLE AND SUBTITLE Licensed Operating Reactors Status Summary Report		4. DATE REPORT COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">MONTH</td> <td style="width: 50%; text-align: center;">YEAR</td> </tr> <tr> <td style="text-align: center;">August</td> <td style="text-align: center;">1988</td> </tr> </table>	MONTH	YEAR	August	1988
MONTH	YEAR					
August	1988					
5. AUTHOR(S) Ina Schwartz		6. DATE REPORT ISSUED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">MONTH</td> <td style="width: 50%; text-align: center;">YEAR</td> </tr> <tr> <td style="text-align: center;">August</td> <td style="text-align: center;">1988</td> </tr> </table>	MONTH	YEAR	August	1988
MONTH	YEAR					
August	1988					
7. PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Division of Computer and Telecommunications Services/IRM Office of Administration and Resources Management U. S. Nuclear Regulatory Commission Washington, D. C. 20555		8. PROJECT/TASK/WORK UNIT NUMBER 9. FUNDING OR GRANT NUMBER				
10. SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Division of Computer and Telecommunication Services/IRM Office of Administration and Resources Management U. S. Nuclear Regulatory Commission Washington, D. C. 20555		11. TYPE OF REPORT 12. PERIOD COVERED (Inclusive dates) June 1988				
12. SUPPLEMENTARY NOTES Status Summary Report						
13. 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 Administration and Resources Management from the Headquarters staff of NRC's Office of Enforcement (OE), 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, OE 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.						
14. DOCUMENT ANALYSIS - KEYWORDS-DESCRIPTORS Licensed Operating Reactors Commercial Operating Units 15. IDENTIFIERS-OPEN ENDED TERMS		15. AVAILABILITY STATEMENT Unlimited 16. SECURITY CLASSIFICATION <i>(This page)</i> Unclassified <i>(This report)</i> Unclassified 17. NUMBER OF PAGES 18. 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 Information Resources 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	<u>227</u>
	1145

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

FIRST CLASS MAIL
POSTAGE & FEES PAID
USNRC
PERMIT No. G 67

120555137330 1 JAN1980
US NRC-DARM-ADM
DIV FOIA & PUBLICATIONS SVCS
SECTION CHIEF
REGULATORY PUBLICATION SECT
R-210 DC 20555
WASHINGTON