

NUREG-0020
Vol. 13, No. 9
September 1989

8912130432 891130
PDR NUREG
0020 R PDR

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 08-31-89

UNITED STATES NUCLEAR REGULATORY COMMISSION



Available from

Superintendent of Documents
U.S. Government Printing Office
Post Office Box 37082
Washington, D.C. 20013-7082

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

NUREG-0020
Vol. 13, No. 9
September 1989

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 08-31-89

Manuscript Completed: November 1989
Date Published: November 1989

OFFICE OF INFORMATION 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 EPRATA page.

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

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

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

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

	PAGE
GLOSSARY	ii
INDEX TO LICENSED UNITS	vii
<u>SECTION 1 - CURRENT DATA SUMMARIES</u>	
MONTHLY HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS	1-2
Licensed Power Reactors	1-2
Power Generation	1-2
Actual vs. Potential Energy Production	1-2
Outage Data	1-2
Reasons for Shutdown	1-3
Derated Units	1-3
Shutdowns Greater Than 72 Hours Each	1-3
UNIT AVAILABILITY, CAPACITY, AND FORCED OUTAGE RATE PLOT	1-4
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAL OPERATING UNITS	1-5
AVERAGE CAPACITY FACTORS BY VENDOR	
Vendor Plot	1-6
Statistics	1-7
MEMORANDA - SPECIAL INFORMATION	1-8
ERRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9
<u>SECTION 2 - OPERATING POWER REACTORS</u>	
ARKANSAS 1 THROUGH ZION 2	2-002 through 2-516
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" perforce are "Scheduled Outages."
STARTUP AND POWER ASCENSION TEST PHASE	Period following initial criticality during which the unit is tested at successively higher levels, culminating with operation at full power for a sustained period and completion of warranty runs. Following this phase, the utility generally considers the unit to be available for commercial operation.
UNIT	The set of equipment uniquely associated with the reactor, including turbine generators, and ancillary equipment, considered as a single electrical energy production facility.
UNIT AVAILABLE HOURS	The total clock hours in the report period during which the unit operated on-line or was capable of such operation. (Unit Reserve Shutdown Hours + Hours Generator On-Line.)

G L O S S A R Y (continued)

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

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

UNIT FORCED OUTAGE RATE	$\frac{\text{Forced Outage Hours} \times 100}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
-------------------------	--

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.

INDEX TO OPERATING POWER REACTORS

	PAGE		PAGE
ARKANSAS 1	2-002	MONTICELLO	2-260
ARKANSAS 2	2-006	NINE MILE POINT 1	2-264
BEAVER VALLEY 1	2-010	NINE MILE POINT 2	2-268
BEAVER VALLEY 2	2-014	NORTH ANNA 1	2-272
BIG ROCK POINT 1	2-018	NORTH ANNA 2	2-278
BRAIDWOOD 1	2-024	OCONEE 1	2-282
BRAIDWOOD 2	2-030	OCONEE 2	2-286
BROWNS FERRY 1	2-036	OCONEE 3	2-290
BROWNS FERRY 2	2-042	OYSTER CREEK 1	2-294
BROWNS FERRY 3	2-048	PALISADES	2-298
BRUNSWICK 1	2-054	PALO VERDE 1	2-304
BRUNSWICK 2	2-058	PALO VERDE 2	2-310
BYRON 1	2-062	PALO VERDE 3	2-316
BYRON 2	2-066	PEACH BOTTOM 2	2-322
CALLAWAY 1	2-070	PEACH BOTTOM 3	2-326
CALVERT CLIFFS 1	2-074	PERRY 1	2-330
CALVERT CLIFFS 2	2-078	PILGRIM 1	2-334
CATAWBA 1	2-082	POINT BEACH 1	2-338
CATAWBA 2	2-088	POINT BEACH 2	2-344
CLINTON 1	2-094	PRAIRIE ISLAND 1	2-350
COOK 1	2-100	PRAIRIE ISLAND 2	2-354
COOK 2	2-104	QUAD CITIES 1	2-358
COOPER STATION	2-108	QUAD CITIES 2	2-364
CRYSTAL RIVER 3	2-112	RANCHO SECO 1	2-370
DAVIS-BESSE 1	2-118	RIVER BEND 1	2-374
DIABLO CANYON 1	2-122	ROBINSON 2	2-378
DIABLO CANYON 2	2-126	SALEM 1	2-382
DRESDEN 2	2-130	SALEM 2	2-386
DRESDEN 3	2-134	SAN ONOFRE 1	2-390
DUANE ARNOLD	2-138	SAN ONOFRE 2	2-396
FARLEY 1	2-144	SAN ONOFRE 3	2-402
FARLEY 2	2-148	SEQUOYAH 1	2-406
FERMI 2	2-152	SEQUOYAH 2	2-412
FITZPATRICK	2-156	SOUTH TEXAS 1	2-418
FORT CALHOUN 1	2-160	SOUTH TEXAS 2	2-424
FORT ST VRAIN	2-166	ST LUCIE 1	2-430
GINNA	2-172	ST LUCIE 2	2-434
GRAND GULF 1	2-176	SUMMER 1	2-438
HADDAM NECK	2-180	SURRY 1	2-442
HARRIS 1	2-184	SURRY 2	2-446
HATCH 1	2-188	SUSQUEHANNA 1	2-450
HATCH 2	2-194	SUSQUEHANNA 2	2-454
HOPE CREEK 1	2-200	THREE MILE ISLAND 1	2-458
INDIAN POINT 2	2-204	TROJAN	2-462
INDIAN POINT 3	2-208	TURKEY POINT 3	2-468
KEWAUNEE	2-212	TURKEY POINT 4	2-474
LASALLE 1	2-216	VERMONT YANKEE 1	2-480
LASALLE 2	2-222	VOGTLE 1	2-484
LIMERICK 1	2-228	VOGTLE 2	2-488
MAINE YANKEE	2-232	WASHINGTON NUCLEAR 2	2-492
MCGUIRE 1	2-236	WATERFORD 3	2-498
MCGUIRE 2	2-242	WOLF CREEK 1	2-502
MILLSTONE 1	2-248	YANKEE-ROWE 1	2-506
MILLSTONE 2	2-252	ZION 1	2-510
MILLSTONE 3	2-256	ZION 2	2-516

SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 110 IN COMMERCIAL OPERATION 97,167 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 0 IN POWER ASCENSION. capacity; design elec. rating
 * POWER * --- ----- used if MDC not determined
 * REACTORS * (b) 110 LICENSED TO OPERATE 97,167 TOTAL
 ***** (c) 3 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

(a) None	MDC NET	(b) Excludes these plants	1. DRESDEN 1.....200	DER	DATE	DER
		licensed for operation	2. HUMBOLDT BAY.....65		07/03/85	820
		which are shut down	3. TMI 2.....906	(c) SHORHAN	05/26/89	1250
		indefinitely or	4. LACROSSE.....50	SKABROOK 1	07/10/89	1055
		permanently		LINBRICK 2		

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE)	57,638,179	55,166,731	364,813,999
* POWER *	2. NET ELECTRICAL (MWHE)	54,883,072	52,453,366	346,596,994
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	82.8	80.4	68.1
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	83.8	81.3	68.4
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	76.2	73.2	62.5
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	73.9	71.6	60.9
	7. FORCED OUTAGE RATE (%)	7.9	8.0	11.5

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	54,883,072 NET	75.9
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	7,275,734 MWHe	10.1
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,485,441 MWHe	7.6
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	4,648,002 MWHe	6.4
* PRODUCTION *			
*****	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	72,292,248 MWHe	100.0% TOTAL
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	272,276 MWHe	
	6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWHe	4 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	45	6,428.7	7.9	5,485,441
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD	18	7,611.9	9.3	7,275,734
* DATA *					
*****	TOTAL	63	14,040.6	17.2	12,761,174

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

		NUMBER	HOURS LOST
*****	A - Equipment Failure	35	2,760.9
* REASONS *	B - Maintenance or Test	5	890.6
* FOR *	C - Refueling	11	5,953.4
* SHUTDOWNS *	D - Regulatory Restriction	2	376.9
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	6	3,835.0
	G - Operational Error	1	17.3
	H - Other	3	206.5
	TOTAL	63	14,040.6

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE

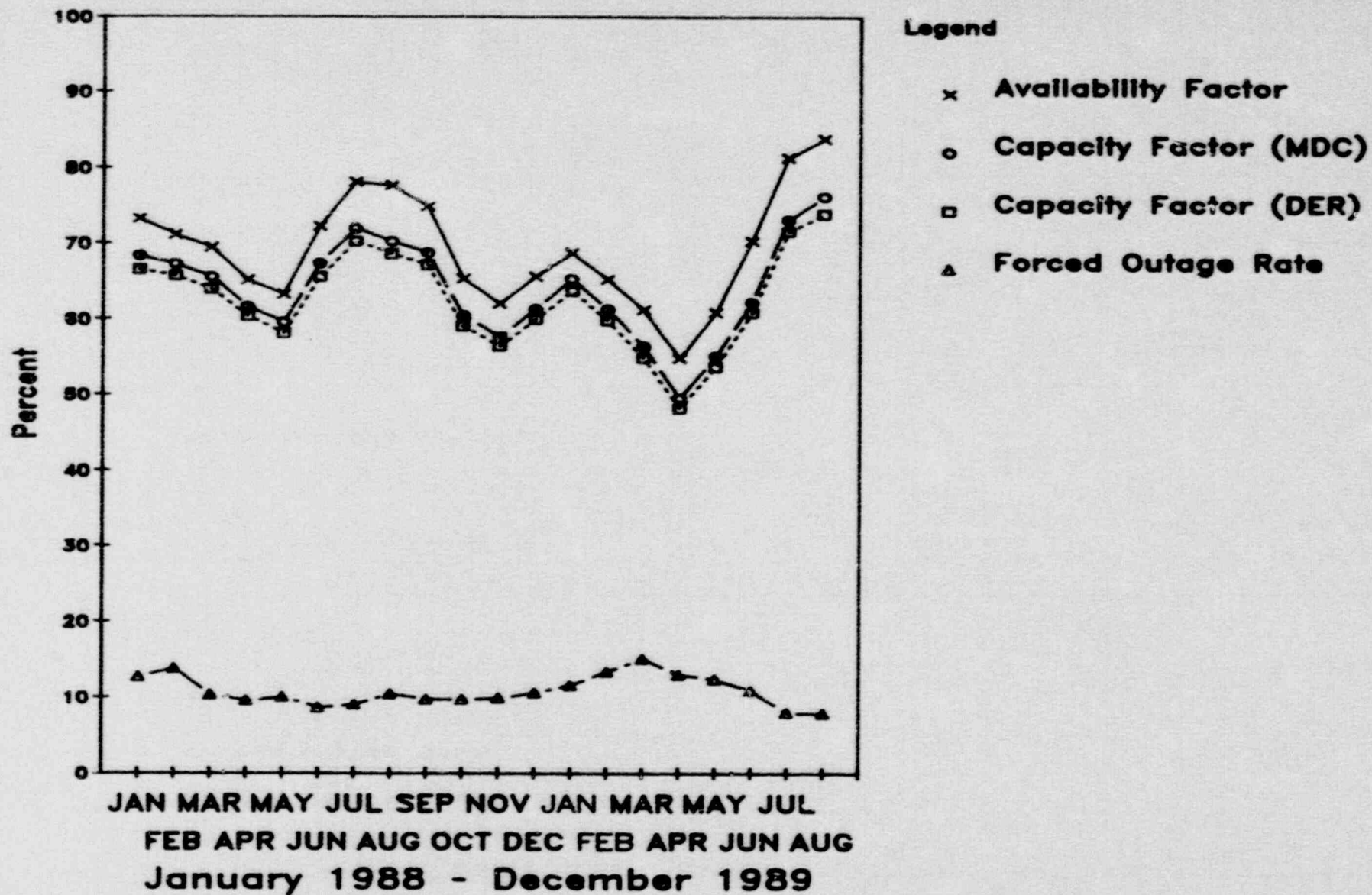
* DERATED *	ARKANSAS 1 836	669	NRC Restriction
* UNITS *	FORT ST VRAIN 330	271	NRC Restriction
*****	OYSTER CREEK 1 620	410	Self-imposed
	PALISADES 730	623	Self-imposed
	PEACH BOTTOM 3 1035	0	NRC Restriction
	PILGRIM 1 670	505	NRC Restriction
	SAN ONOFRE 1 436	390	Self-imposed
	WASHINGTON NUCLEAR* 1095	766	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 *	CALVERT CLIFFS 1	B	CALVERT CLIFFS 2	C	CLINTON 1	A	COOK 2	A
* THAN 72 HRS *	CRYSTAL RIVER 3	D	FORT ST VRAIN	A	GINNA	A	GRAND GULF 1	A
* EACH *	LASALLE 2	H	MCGUIRE 2	C	MONTICELLO	C	NINE MILE POINT 1	F
*****	PALO VERDE 1	C	PALO VERDE 3	C	PEACH BOTTOM 3	C	PERRY 1	C
	QUAD CITIES 2	A	RANCHO SECO 1	F	RIVER BEND 1	A	ROBINSON 2	D
	SOUTH TEXAS 1	C	SUMMER 1	A	SURRY 2	C	TROJAN	A,C
	WASHINGTON NUCLEAR*	F	YANKEE-ROWE 1	A	ZION 1	A		

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of August 1989



AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

This chart depicts the average daily power level for the units in commercial operation during the month.

The straight line on the graph labelled "SUM OF MDC" is plotted at the value shown by summing the separate maximum dependable capacities of the commercially operating units (in Net MWe). The plot shown below the line is calculated by summing the separate average daily power levels of the same units for each day of the month.

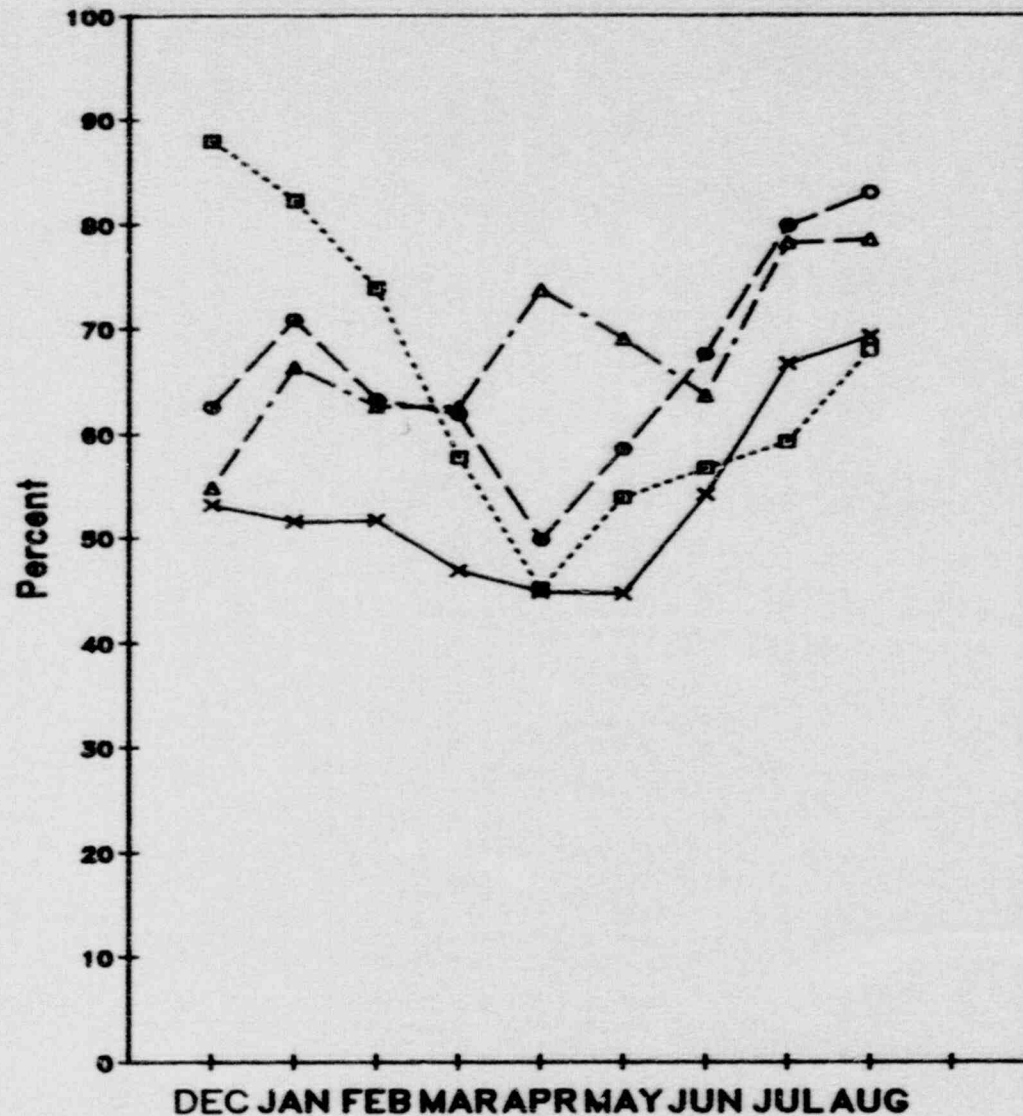
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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

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

Vendor Average Capacity Factors

08/31/89



Legend

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

August 1989

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

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 0.0 BROWNS FERRY 1	0.0 BROWNS FERRY 2	0.0 BROWNS FERRY 3	97.4 BRUNSWICK 1
* ELECTRIC * 81.3 BRUNSWICK 2	65.4 CLINTON 1	98.3 COOPER STATION	79.1 DRESDEN 2
***** 95.6 DRESDEN 3	89.3 DUANE ARHOLD	86.7 FERMI 2	103.3 FITZPATRICK
69.4 GRAND GULF 1	98.3 HATCH 1	70.3 HATCH 2	79.7 HOPE CREEK 1
94.2 LASALLE 1	75.4 LASALLE 2	95.2 LIMERICK 1	97.5 MILLSTONE 1
23.3 MONTICELLO	0.0 NINE MILE POINT 1	93.9 NINE MILE POINT 2	59.7 OYSTER CREEK 1
96.4 PEACH BOTTOM 2	0.0 PEACH BOTTOM 3	78.0 PERRY 1	50.8 PILGRIM 1
75.3 QUAD CITIES 1	67.9 QUAD CITIES 2	77.7 RIVER BEND 1	100.0 SUSQUEHANNA 1
97.7 SUSQUEHANNA 2	98.0 VERMONT YANKEE 1	52.9 WASHINGTON NUCLEAR 2	

***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 68.9 ARKANSAS 1	75.2 CRYSTAL RIVER 3	99.4 DAVIS-BESSE 1	93.1 OCONEE 1
* WILCOX * 98.0 OCONEE 2	95.9 OCONEE 3	0.0 RANCHO SECO 1	101.2 THREE MILE ISLAND 1

***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 101.4 ARKANSAS 2	0.0 CALVERT CLIFFS 1	0.0 CALVERT CLIFFS 2	94.9 FORT CALHOUN 1
* ENGINEERING * 103.6 MAINE YANKEE	98.7 MILLSTONE 2	73.2 PALISADES	0.0 PALO VERDE 1
***** 92.1 PALO VERDE 2	0.0 PALO VERDE 3	102.6 SAN ONOFRE 2	100.1 SAN ONOFRE 3
100.0 ST LUCIE 1	97.5 ST LUCIE 2	88.7 WATERFORD 3	

***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE * 90.9 BEAVER VALLEY 1	95.5 BEAVER VALLEY 2	48.8 BRAIDWOOD 1	82.3 BRAIDWOOD 2
***** 93.7 BYRON 1	76.3 BYRON 2	100.1 CALLAWAY 1	95.5 CATAWBA 1
92.0 CATAWBA 2	97.4 COOK 1	82.5 COOK 2	96.5 DIABLO CANYON 1
89.5 DIABLO CANYON 2	97.8 FARLEY 1	99.2 FARLEY 2	63.1 GINNA
93.8 HADDAM NECK	97.7 HARRIS 1	100.7 INDIAN POINT 2	99.0 INDIAN POINT 3
102.3 KEWAUNEE	87.4 MCGUIRE 1	0.0 MCGUIRE 2	95.2 MILLSTONE 3
99.3 NORTH ANNA 1	99.2 NORTH ANNA 2	86.6 POINT BEACH 1	96.8 POINT BEACH 2
100.9 PRAIRIE ISLAND 1	101.3 PRAIRIE ISLAND 2	70.9 ROBINSON 2	96.0 SALEM 1
91.8 SALEM 2	72.3 SAN ONOFRE 1	97.6 SEQUOYAH 1	96.6 SEQUOYAH 2
9.8 SOUTH TEXAS 1	60.1 SOUTH TEXAS 2	76.7 SUMMER 1	97.1 SURRY 1
0.0 SURRY 2	54.5 TROJAN	94.4 TURKEY POINT 3	91.1 TURKEY POINT 4
87.5 VOGTLE 1	101.2 VOGTLE 2	98.3 WOLF CREEK 1	53.8 YANKEE-ROWE 1
70.0 ZION 1	90.3 ZION 2		

***** Units excluded are:
 * OTHER INFO *

 BIG ROCK POINT
 DRESDEN 1
 FORT ST VRAIN
 HUMBOLDT BAY
 LACROSSE
 THREE MILE ISLAND 2

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	15,827,159	27,937,759	7,056,061	3,944,520	38,938,340
MDC NET.....	30,736	45,309	13,975	6,750	66,034
CFMDC.....	69.2	82.9	67.9	78.5	79.3

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
RIVER BEND
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

N O N E
N O N E
N O N E
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: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. A. SCHAUBROECK (501)964-3743

4. Licensed Thermal Power (MWh): 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): 669

11. Reasons for Restrictions, If Any:
LICENSE AMENDMENT ISSUED LIMITING OPERATION TO 80%.

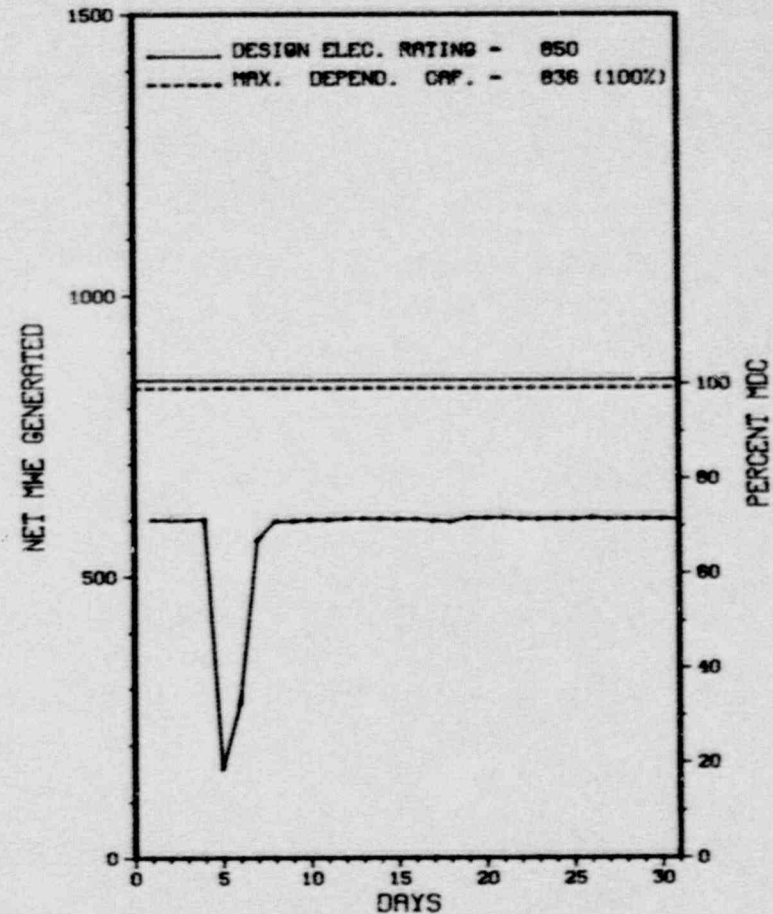
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>128,874.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,752.0</u>	<u>88,963.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>730.4</u>	<u>3,706.5</u>	<u>87,132.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,360,551</u>	<u>6,753,450</u>	<u>198,029,918</u>
18. Gross Elec Ener (MWH)	<u>450,010</u>	<u>2,249,845</u>	<u>65,709,215</u>
19. Net Elec Ener (MWH)	<u>428,304</u>	<u>2,105,927</u>	<u>62,444,109</u>
20. Unit Service Factor	<u>98.2</u>	<u>63.6</u>	<u>67.6</u>
21. Unit Avail Factor	<u>98.2</u>	<u>63.6</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>68.9</u>	<u>43.2</u>	<u>58.0</u>
23. Unit Cap Factor (DER Net)	<u>67.7</u>	<u>42.5</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>1.8</u>	<u>36.4</u>	<u>14.5</u>
25. Forced Outage Hours	<u>13.6</u>	<u>2,124.5</u>	<u>14,722.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MIDCYCLE - NOV. 27, 1989 - 3 WEEK DURATION.

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-04	08/05/89	F	7.6	A	1		AB	XXXXXX	UNIT OFF LINE TO INVESTIGATE REACTOR COOLANT PUMP LOSS OF OIL AND TO REMOVE OIL FROM THE REACTOR BUILDING. SOURCE OF LEAK COULD NOT BE DETERMINED.
89-05	08/06/89	F	6.0	A	1		SB	TBG	UNIT OFF LINE FOR REPAIR OF ELECTROHYDRAULIC PIPING TO A REHEAT STOP VALVE.

 * SUMMARY *

 ARKANSAS 1 OPERATIONS WAS LIMITED TO 80% FOR THE ENTIRE MONTH OF AUGUST. THE UNIT INCURRED TWO FORCED OUTAGES DURING THE MONTH AS DESCRIBED ABOVE.

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

* ARKANSAS 1 *

FACILITY DATA

Report Period AUG 1989

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 JUNE 26-29, 1989 (89-29) ROUTINE, ANNOUNCED INSPECTION OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM; INCLUDING CHANGES TO THE EMERGENCY PLAN AND IMPLEMENTING PROCEDURES, AND CHANGES TO EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES. THE INSPECTION ALSO INCLUDED ORGANIZATION AND MANAGEMENT CONTROL, INDEPENDENT AUDITS OF THE EMERGENCY PREPAREDNESS PROGRAM, AND TRAINING OF EMERGENCY RESPONSE PERSONNEL. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. A TOUR OF EMERGENCY RESPONSE FACILITIES, AND A REVIEW OF THE LICENSEE'S EMERGENCY ORGANIZATION AND PROCEDURES REVEALED THAT THE LICENSEE IS CONTINUING ITS EFFORTS TO MAINTAIN A GOOD QUALITY PROGRAM. INTERVIEWS CONDUCTED WITH A SAMPLE OF EMERGENCY RESPONDERS INDICATED THAT PERSONNEL WERE KNOWLEDGEABLE OF THEIR EMERGENCY DUTIES. THE INSPECTORS CONCLUDED, BASED ON THE RESULTS OF THIS INSPECTION, THAT THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM AT AND WAS ADEQUATE.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.22.1 & 3.22.2, THE LICENSEE FAILED TO MAINTAIN A FIRE BARRIER INTACT OR PROVIDE COMPENSATORY MEASURES.
ARKANSAS 1 (8902 4)

OTHER ITEMS

Report Period AUG 1989

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)

* ARKANSAS 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LIMITED TO 80% POWER DUE TO SMALL BREAK LOCA ANALYSIS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 29, 1989

INSPECTION REPORT NO: 50-313/89-29

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: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. S. WHITT (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

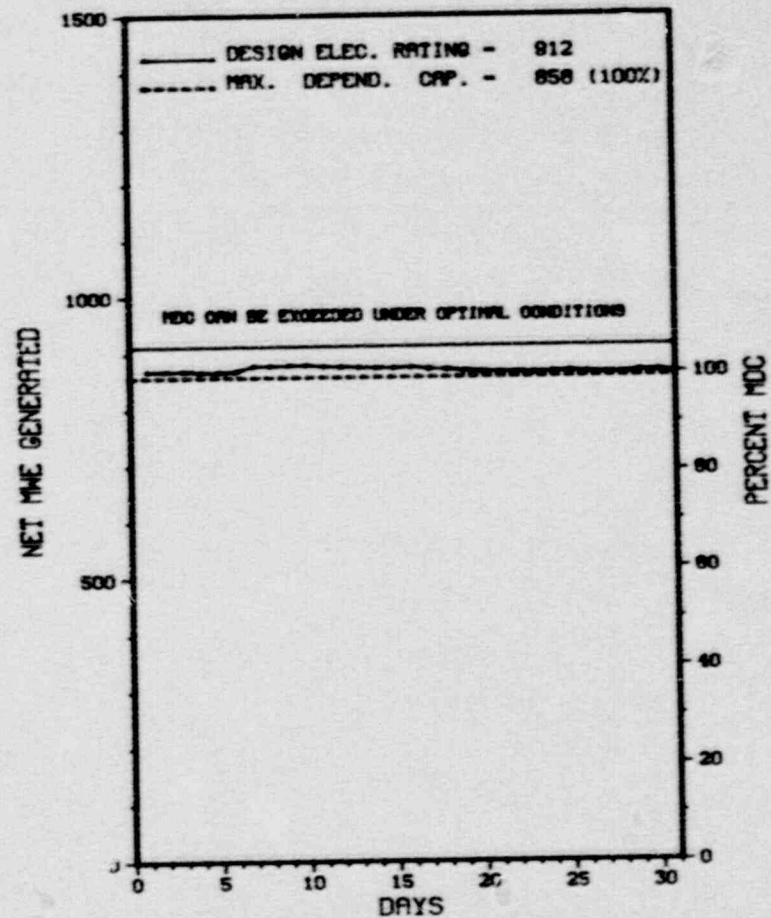
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>82,703.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,975.4</u>	<u>60,774.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,964.6</u>	<u>59,227.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>2,089,375</u>	<u>13,412,648</u>	<u>154,056,979</u>
18. Gross Elec Ener (MWH)	<u>677,420</u>	<u>4,393,720</u>	<u>50,602,701</u>
19. Net Elec Ener (MWH)	<u>647,398</u>	<u>4,184,706</u>	<u>48,150,811</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.1</u>	<u>71.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.1</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>83.6</u>	<u>67.9</u>
23. Unit Cap Factor (DER Net)	<u>95.4</u>	<u>78.7</u>	<u>63.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>14.9</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>866.4</u>	<u>9,721.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT. 25, 1989 - 8 WEEK DURATION.

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

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

NONE

* SUMMARY *

ARKANSAS 2 OPERATED ROUTINELY DURING AUGUST 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 AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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. POSLUSNY
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 JUNE 26-29, 1989 (89-29) ROUTINE, ANNOUNCED INSPECTION OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM; INCLUDING CHANGES TO THE EMERGENCY PLAN AND IMPLEMENTING PROCEDURES, AND CHANGES TO EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES. THE INSPECTION ALSO INCLUDED ORGANIZATION AND MANAGEMENT CONTROL, INDEPENDENT AUDITS OF THE EMERGENCY PREPAREDNESS PROGRAM, AND TRAINING OF EMERGENCY RESPONSE PERSONNEL. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. A TOUR OF EMERGENCY RESPONSE FACILITIES, AND A REVIEW OF THE LICENSEE'S EMERGENCY ORGANIZATION AND PROCEDURES REVEALED THAT THE LICENSEE IS CONTINUING ITS EFFORTS TO MAINTAIN A GOOD QUALITY PROGRAM. INTERVIEWS CONDUCTED WITH A SAMPLE OF EMERGENCY RESPONDERS INDICATED THAT PERSONNEL WERE KNOWLEDGEABLE OF THEIR EMERGENCY DUTIES. THE INSPECTORS CONCLUDED, BASED ON THE RESULTS OF THIS INSPECTION, THAT THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM AT ANO WAS ADEQUATE.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERIA XVI, THE LICENSEE FAILED TO PROVIDE PROMPT CORRECTIVE ACTION TO RESOLVE DIFFERENCES IN RCS LEVEL INDICATIONS.
ARKANSAS 2 (8902 4)

OTHER ITEMS

Report Period AUG 1989

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

 * ARKANSAS 2 *

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: JUNE 29, 1989

INSPECTION REPORT NO: 50-368/89-29

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. A. WINGER (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

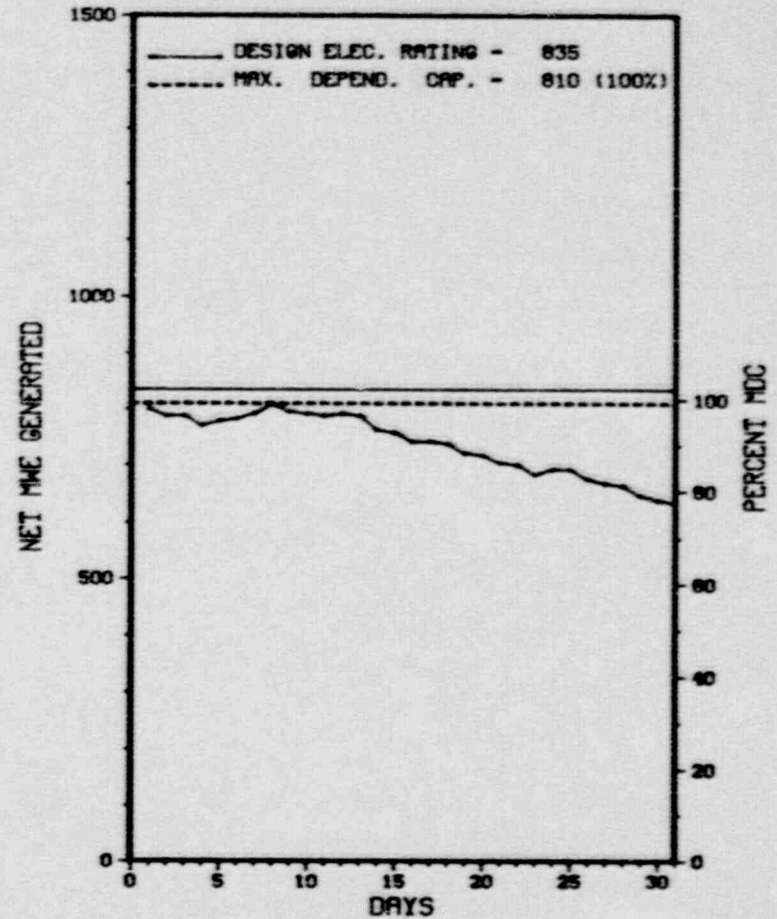
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>116,903.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,716.7</u>	<u>71,971.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,700.3</u>	<u>70,344.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>1,819,779</u>	<u>12,607,671</u>	<u>165,954,020</u>
18. Gross Elec Ener (MWH)	<u>584,060</u>	<u>4,039,380</u>	<u>53,232,759</u>
19. Net Elec Ener (MWH)	<u>548,000</u>	<u>3,778,490</u>	<u>49,696,790</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.8</u>	<u>62.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.8</u>	<u>62.6</u>
22. Unit Cap Factor (MDC Net)	<u>90.9</u>	<u>80.0</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>88.2</u>	<u>77.6</u>	<u>53.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>17.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>130.7</u>	<u>19,495.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT. 1, 1989 - 70 DAY DURATION.

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BEAVER VALLEY 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
33	08/13/89	S	0.0	H	5		RC	FUELXX	CORE COASTDOWN PRIOR TO UNIT'S SEVENTH REFUELING OUTAGE.

 * SUMMARY *

 BEAVER VALLEY 1 OPERATED IN A CORE COAST DOWN MODE PRIOR TO BEGINNING THE UNITS 7TH REFUELING OUTAGE. THE UNIT OPERATED ROUTINELY DURING THE MONTH.

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

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period AUG 1989

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 METHOD...COOLING TOWER
CONDENSER COOLING WATER...OHIO RIVER
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....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
ALIQUIPPA, PA 15001

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period AUG 1989

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.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-412 OPERATING STATUS
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: M. L. WINGER (412) 393-7621
 4. Licensed Thermal Power (MWT): 2660
 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

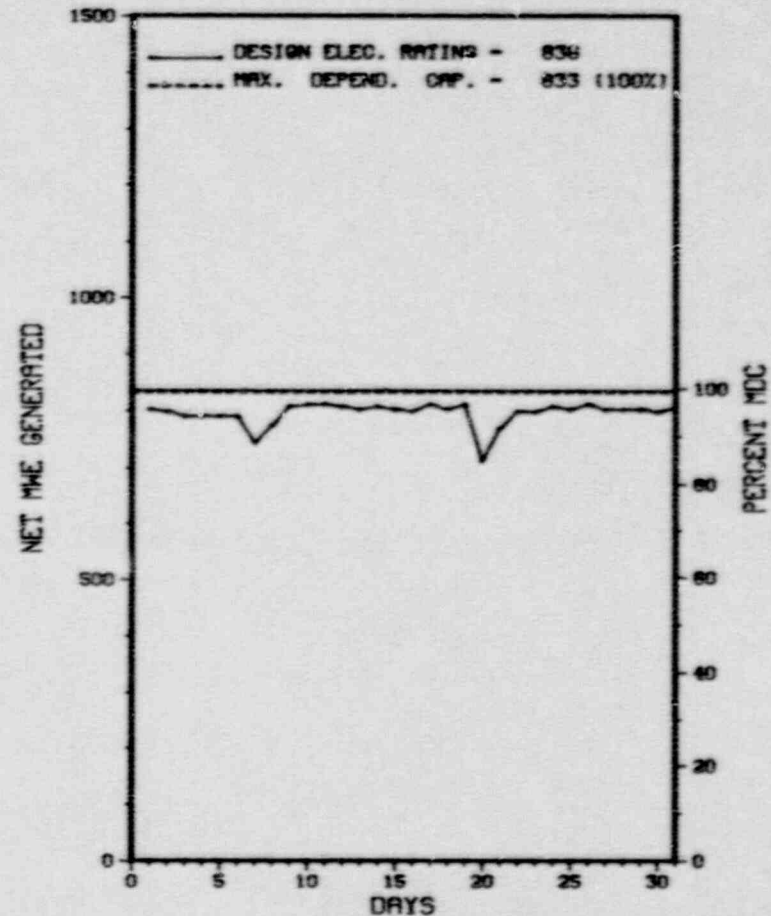
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>15,686.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,378.5</u>	<u>12,627.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,318.6</u>	<u>12,497.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,948,907</u>	<u>7,499,769</u>	<u>31,230,709</u>
18. Gross Elec Ener (MWH)	<u>624,000</u>	<u>2,380,200</u>	<u>10,010,000</u>
19. Net Elec Ener (MWH)	<u>591,610</u>	<u>2,210,532</u>	<u>9,425,697</u>
20. Unit Service Factor	<u>100.0</u>	<u>56.9</u>	<u>79.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>56.9</u>	<u>79.7</u>
22. Unit Cap Factor (MDC Net)	<u>95.5</u>	<u>45.5</u>	<u>72.1</u>
23. Unit Cap Factor (DER Net)	<u>95.1</u>	<u>45.3</u>	<u>71.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.1</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>781.3</u>	<u>1,110.0</u>

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

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

 * BEAVER VALLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BEAVER VALLEY 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 2 *

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

NONE

* SUMMARY *

BEAVER VALLEY OPERATED ROUTINELY DURING AUGUST 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)

* BEAVER VALLEY 2 *

FACILITY DATA

Report Period AUG 1989

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

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 AUG 1989

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

* BEAVER VALLEY 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: J.R. JOHNSTON (616) 547-6537, EXT 223

4. Licensed Thermal Power (MWT): 240

5. Nameplate Rating (Gross MWe): 75

6. Design Electrical Rating (Net MWe): 75

7. Maximum Dependable Capacity (Gross MWe): 71

8. Maximum Dependable Capacity (Net MWe): 67

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>231,666.0</u>
13. Hours Reactor Critical	<u>423.0</u>	<u>4,163.9</u>	<u>166,391.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>400.7</u>	<u>4,133.1</u>	<u>163,542.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>65,245</u>	<u>784,454</u>	<u>30,981,217</u>
18. Gross Elec Ener (MWH)	<u>21,705</u>	<u>254,290</u>	<u>9,831,266</u>
19. Net Elec Ener (MWH)	<u>20,334</u>	<u>240,442</u>	<u>9,297,298</u>
20. Unit Service Factor	<u>53.9</u>	<u>70.9</u>	<u>70.6</u>
21. Unit Avail Factor	<u>53.9</u>	<u>70.9</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>40.8</u>	<u>61.5</u>	<u>59.6*</u>
23. Unit Cap Factor (DER Net)	<u>36.4</u>	<u>56.4</u>	<u>53.5</u>
24. Unit Forced Outage Rate	<u>8.3</u>	<u>.9</u>	<u>12.8</u>
25. Forced Outage Hours	<u>36.3</u>	<u>36.3</u>	<u>12,650.1</u>

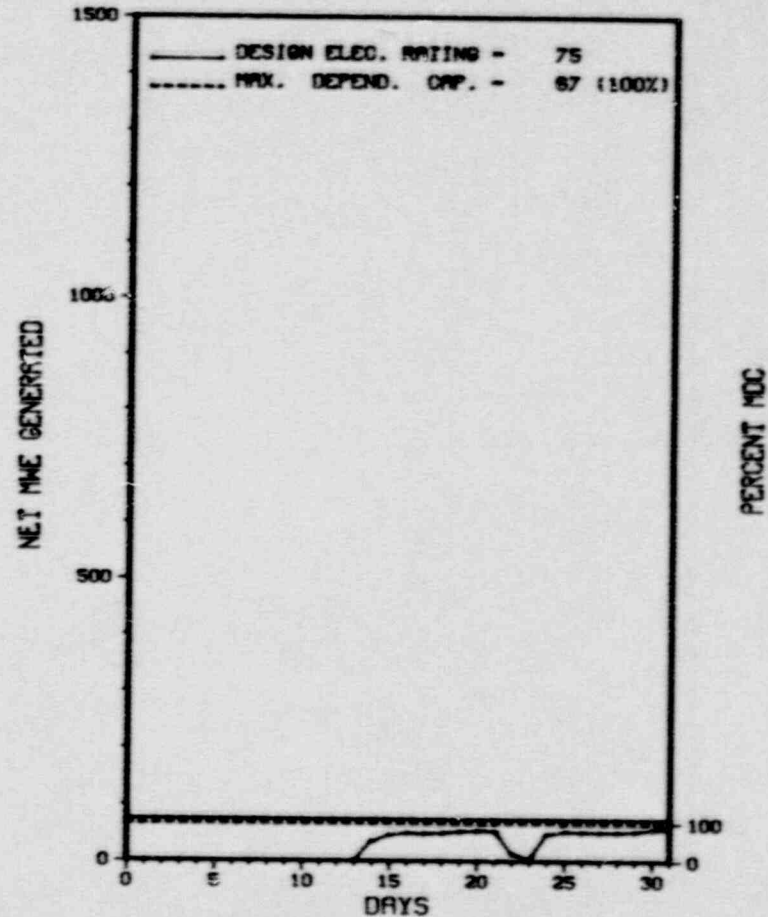
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NGNE

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

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
89-06	06/09/89	S	307.0	C	4			1989 SCHEDULE REFUELING OUTAGE (1,556.3 HRS TOTAL)
89-07	08/23/89	F	36.3	A	3			THE UNIT WAS TRIPPED OFF LINE WHEN THE TURBINE INITIAL PRESSURE REGULATOR (IPR) DEVELOPED A STEAM LEAK, CAUSING THE REACTOR PRESSURE TO SPIKE AND A HI FLUX SCRAM. THE UNIT WAS RETURNED TO SERVICE AFTER REPAIRS WERE COMPLETED.
89-08	08/31/89	F	0.0	A	5			A BATTERY CELL VOLTAGE IN THE ALTERNATE SHUTDOWN BUILDING BATTERY BANK WAS BELOW MINIMUM VOLTAGE RESULTING IN A LCO AND SUBSEQUENT INITIATION OF PLANT SHUTDOWN. THE BATTERY CELL WAS REPLACED WITHIN 3.5 HR AND THE POWER REDUCTION WAS TERMINATED. POWER WAS THEN RETURNED TO PREVIOUS POWER LEVELS.

 * SUMMARY *

 BIG ROCK POINT ENTERED AUGUST SHUTDOWN FOR SCHEDULED REFUELING OUTAGE. THE UNIT RETURNED TO POWER PRODUCTION ON AUGUST 13 AND SUBSEQUENTLY INCURRED ONE FORCED OUTAGE AND ONE FORCED POWER REDUCTION.

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

* BIG ROCK POINT 1 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON JUNE 18 THROUGH JULY 24 (39009): THE INSPECTION WAS ROUTINE, UNANNOUNCED, AND CONDUCTED BY THE SENIOR RESIDENT INSPECTOR, THE RESIDENT INSPECTOR, THE PROJECT INSPECTOR, AND A REGIONAL INSPECTOR. THE FUNCTIONAL AREAS INSPECTED CONSISTED OF THE FOLLOWING: MANAGEMENT MEETINGS; INSTALLING AND TESTING OF MODIFICATIONS; REFUELING ACTIVITIES; SURVEILLANCE ACTIVITIES INCLUDING THOSE REQUIRED FOR REFUELING; MAINTENANCE ACTIVITIES ON VARIOUS COMPONENTS; OPERATIONAL SAFETY VERIFICATION INCLUDING THE EMERGENCY CONDENSER SYSTEM; BALANCE OF PLANT; PUMP AND VALVE INSERVICE TESTING; AND IE BULLETIN AND TEMPORARY INSTRUCTION CLOSURE. THE LICENSEE HAS RESPONDED IN A TIMELY MANNER TO ISSUES AND CONCERNS PRESENTED TO THEM BY THE NRC. THE MANAGEMENT MEETINGS, MODIFICATIONS, SURVEILLANCE, MAINTENANCE, BALANCE OF PLANT, AND THE PUMP AND VALVE INSERVICE TESTING PROGRAMS APPEARED TO BE PERFORMED IN A MANNER TO ENSURE PUBLIC HEALTH AND SAFETY. THREE VIOLATIONS WERE IDENTIFIED IN THIS REPORT: ONE IN REFUELING ACTIVITIES CONCERNING INADEQUATE TOOL CONTROLS AND TWO IN OPERATIONAL SAFETY VERIFICATION CONCERNING FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES AND PERFORMING AN INADEQUATE REVIEW OF PROCEDURES.

INSPECTION FROM JULY 10 THROUGH AUGUST 1 (89014): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIOLOGICAL PROTECTION PROGRAM (INSPECTION PROCEDURE IP 83750), INCLUDING CHANGES IN THE RADIATION PROTECTION STAFF; AUDITS AND APPRAISALS; TRAINING AND QUALIFICATIONS OF NEW PERSONNEL; EXTERNAL AND INTERNAL EXPOSURE CONTROL INCLUDING ALARA CONSIDERATIONS; AND CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, SURVEYS, AND MONITORING. ALSO REVIEWED WERE PREVIOUS INSPECTION FINDINGS (IP 92701). THE LICENSEE'S RADIATION PROTECTION PROGRAM APPEARS TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF THE PUBLIC AND PLANT WORKERS. THE ALARA AND CONTAMINATION CONTROL PROGRAMS ARE NOTABLY ACTIVE; HOWEVER, ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO PROPERLY LABEL CONTAMINATED EQUIPMENT.

ENFORCEMENT SUMMARY

SECTION 6.8.1 OF THE TECHNICAL SPECIFICATIONS STATES IN PART, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED FOR ALL STRUCTURES, SYSTEMS, COMPONENTS AND SAFETY ACTIONS DEFINED IN THE BIG ROCK POINT QUALITY LIST." ADMINISTRATIVE PROCEDURE VOLUME 1, NO. 1.8, "PLANT HOUSEKEEPING AND CLEANLINESS," REV. 1, DATED APRIL 5, 1988, SECTION 4.1.3, STATES: "TOOLS, EQUIPMENT, MATERIALS AND SUPPLIES SHALL BE CONTROLLED, THROUGH UTILIZATION OF SUCH ITEMS AS LOG SHEETS AND TETHERED TOOLS IN AREAS REQUIRING SPECIAL CONSIDERATIONS, TO PREVENT THE INADVERTENT INCLUSION IN CRITICAL SYSTEMS." CONTRARY TO THE ABOVE, TOOLS AND MATERIALS FOUND ON THE REACTOR BUILDING CRANE (A TOOL CONTROL AREA) WERE NOT LISTED ON THE REQUIRED LOG SHEET OR CONNECTED TO A TETHER. SECTION 5.0.C OF ADMINISTRATIVE PROCEDURE VOLUME 1, PROCEDURE 5.5 "RADIATION WORK PERMIT" REV. 2, DATED JULY 21, 1988 STATES IN PART, "ALL ATTACHMENTS TO THE RADIATION WORK PERMIT ARE CONSIDERED A PART OF THE RADIATION WORK PERMIT AND REQUIRE COMPLIANCE." CONTRARY TO THE ABOVE, SEVERAL INDIVIDUALS ON NUMEROUS OCCASIONS FAILED TO COMPLETE ALL REQUIRED ENTRIES ON THE RADIATION WORK PERMIT ENTRY LOG SHEET (FORM BRP051), A PART OF THE RADIATION WORK PERMIT. SECTION 6.8.1 OF TECHNICAL SPECIFICATIONS STATES IN PART THAT PROCEDURES DEFINED IN THE BIG ROCK POINT QUALITY LIST SHALL MEET OR EXCEED THE REQUIREMENTS OF ANSI N18.7 AS ENDORSED BY CPC-2A, CONSUMERS POWER COMPANY'S QUALITY ASSURANCE PROGRAM IMPLEMENTING APPENDIX B OF 10 CFR PART 50. APPENDIX B SECTION VI, "DOCUMENT CONTROL," STATES IN PART THAT MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. CONTRARY TO THE ABOVE, AN INADEQUATE REVIEW WAS PERFORMED ON PROCEDURES IRPS-1 REV. 10, IRPS-4 REV. 12, IRPS-5 REV. 9, IRPS-6 REV. 9, IRPS-9 REV. 8 AND TR-32 REV. 19 BECAUSE, EACH CONTAINED TYPOGRAPHICAL ERRORS AND IN SEVERAL PROCEDURES STEPS WERE ABSENT OR MISSING INFORMATION.

BIG ROCK POINT 1 (8901 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING NORMALLY

LAST IE SITE INSPECTION DATE: 08/01/89

INSPECTION REPORT NO: 89014

Report Period AUG 1989

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

* BIG ROCK POINT 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-06	072089	081889	DISCOVERED DEFECTS IN FIRE PENETRATION SEALS RESULTING IN TECH SPEC VIOLATION.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-456 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. W. PETERSON (815) 458-2801 EXT. 2480

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1175

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1120

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

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

11. Reasons for Restrictions, If Any: _____

NONE

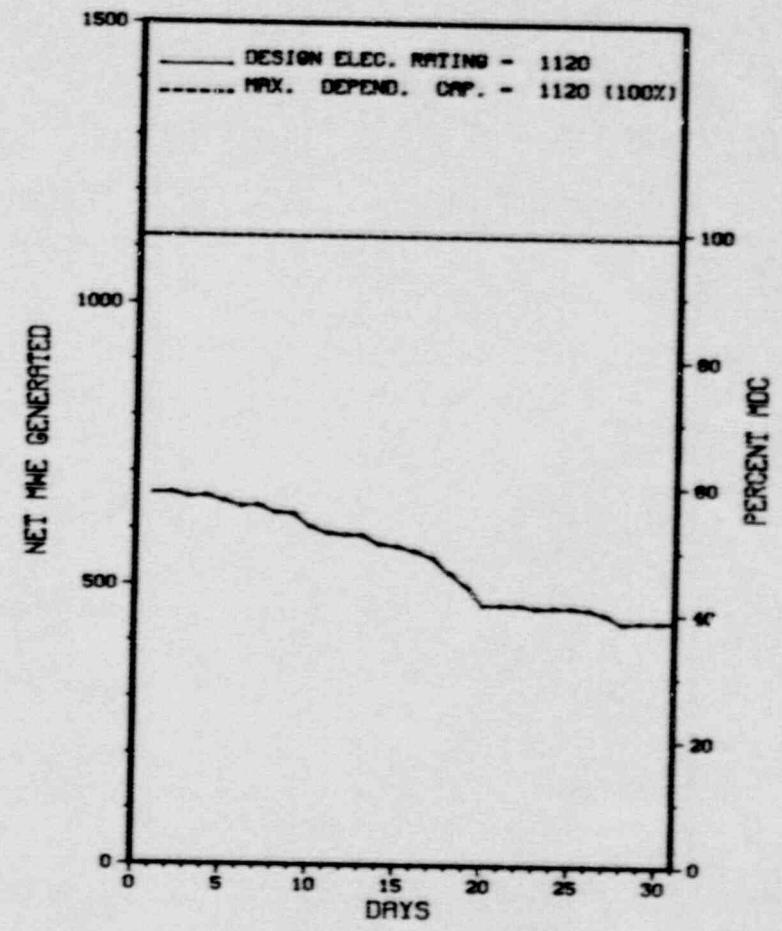
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>9,560.3</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,077.3</u>	<u>8,587.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,025.2</u>	<u>8,436.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,376,956</u>	<u>13,537,768</u>	<u>23,908,230</u>
18. Gross Elec Ener (MWH)	<u>432,860</u>	<u>4,591,481</u>	<u>8,180,445</u>
19. Net Elec Ener (MWH)	<u>406,699</u>	<u>4,375,146</u>	<u>7,799,370</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.2</u>	<u>88.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.2</u>	<u>88.2</u>
22. Unit Cap Factor (MDC Net)	<u>48.8</u>	<u>67.0</u>	<u>72.8</u>
23. Unit Cap Factor (DER Net)	<u>48.8</u>	<u>67.0</u>	<u>72.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.0</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>155.2</u>	<u>473.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT 2, 1989 - 90 DAY DURATION.

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

 * BRAIDWOOD 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BRAIDWOOD 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* BRAIDWOOD 1 *

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

NONE

* SUMMARY *

BRAIDWOOD 1 ENTERED AUGUST AT APPROXIMATELY 64% POWER. THE UNIT IS IN AN EXTENDED COASTDOWN AS IT APPROACHED THE 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)

* BRAIDHOOD 1 *

FACILITY DATA

Report Period AUG 1989

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...JULY 29, 1988
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 ROOM.....HEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM JUNE 18 THROUGH JULY 29 (89019; 89019): ROUTINE UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS: LICENSEE EVENT REPORT REVIEW; REGIONAL REQUEST; FOLLOW-UP ON TMI ACTION ITEMS; DUAL UNIT REACTOR TRIP AND UNIT 1 DELTA FLUX EXCURSION; FUEL HANDLING; INSTALLATION AND TESTING OF MODIFICATIONS; OPERATIONAL SAFETY VERIFICATION; ENGINEERED SAFETY FEATURE (ESF) SYSTEMS; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; TRAINING EFFECTIVENESS; REPORT REVIEW; AND MEETINGS AND OTHER ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

MEETING ON JULY 11 (89020; 89020): AN ENFORCEMENT CONFERENCE CONDUCTED TO DISCUSS CONCERNS ASSOCIATED WITH THE OPERABILITY OF THE 2B CENTRIFUGAL CHARGING PUMP WITH A MANUAL ISOLATION VALVE SHUT IN ITS RECIRCULATION LINE, AND PREVIOUS INSTANCES IN WHICH THE OPERABILITY OF EMERGENCY CORE COOLING SYSTEM EQUIPMENT WAS AFFECTED BY MISPOSITIONED VALVES.

INSPECTION ON JUNE 12 THROUGH JULY 6 (89018; 89018): SPECIAL ANNOUNCED SAFETY TEAM INSPECTION OF THE INSTRUMENTATION SYSTEM FOR ASSESSING PLANT CONDITIONS DURING AND FOLLOWING AN ACCIDENT AS SPECIFIED IN REGULATORY GUIDE 1.97, REVISION 3, LICENSEE ACTION ON PREVIOUSLY IDENTIFIED 10 CFR 50.49 RELATED FINDINGS, AND A PART 21 CONCERNING MELAMINE TORQUE SWITCHES IN LIMITORQUE VALVE ACTUATORS (MODULES 30703, 2515/087, AND 62705); SIMS NO. 67.3.3 (OPEN). OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS WERE IDENTIFIED. THE FIRST UNRESOLVED ITEM PERTAINS TO THE USE OF TERMINAL BLOCKS LOCATED IN JUNCTION BOXES WHICH ARE USED IN CONTROL CIRCUIT APPLICATIONS. THE SECOND UNRESOLVED ITEM PERTAINS TO CABLES AND SPLICES LOCATED IN PULL BOXES WHICH ARE SUBJECT TO BEING SUBMERGED. IN ADDITION, TWO OPEN ITEMS WERE IDENTIFIED. THE FIRST

INSPECTION SUMMARY

OPEN ITEM PERTAINS TO THE LICENSEE'S NEED TO SUBMIT A DEVIATION TO REGULATORY GUIDE 1.97 (RG 1.97) REGARDING THE LACK OF A RECORDING DEVICE FOR THE SPRAY ADDITIVE TANK LEVEL (PARAGRAPH 3). THE SECOND OPEN ITEM PERTAINS TO ADDITIONAL REVIEWS REQUIRED BY THE LICENSEE TO ENSURE THAT ALL SUSPECT MELAMINE TORQUE SWITCHES IN LIMITORQUE VALVE ACTUATORS HAVE BEEN REPLACED. THE INSPECTION REVEALED THAT THE LICENSEE HAS IMPLEMENTED A PROGRAM TO MEET THE REQUIREMENTS OF RG 1.97 AND HAS TAKEN CORRECTIVE ACTION TO RESOLVE PREVIOUSLY IDENTIFIED 10 CFR 50.49 FINDINGS.

INSPECTION ON JULY 31 THROUGH AUGUST 3 (89016; 89016): ANNOUNCED SPECIAL SAFETY INSPECTION OF ALLEGATIONS CONCERNING NONDESTRUCTIVE EXAMINATION AND CORROSION OF SMALL BORE PIPING. NEITHER ALLEGATION WAS SUBSTANTIATED. THE LICENSEE'S PROGRAM TO DISPOSITION THE CORRODED PIPE AND THE MATERIAL TRACEABILITY VERIFICATION PROGRAM HAD EFFECTIVELY RESOLVED BOTH ISSUES.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

INSPECTION FROM JULY 1 THROUGH AUGUST 19 (88016; 88018): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; PLANT MATERIAL CONDITION; EVENT FOLLOWUP; MUD IN ESSENTIAL SERVICE WATER SYSTEM; MAINTENANCE/SURVEILLANCE ACTIVITIES; BACKLOG; DISCREPANCY RECORDS; SELF-ASSESSMENT CAPABILITIES; FOLLOWUP ON HEADQUARTERS REQUEST (TI 2500/27); ENGINEERING AND TECHNICAL SUPPORT; SECURITY; AND MEETINGS. SIMS ISSUE STATUS FOR UNITS 1 AND 2: CLOSED BL-87-02. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TEN YEARS; ONE VIOLATION WAS IDENTIFIED IN THE FOLLOWING AREA: OPERATIONAL SAFETY. TWO UNRESOLVED ITEMS WERE IDENTIFIED THAT PERTAINED TO THE POWER SOURCE FOR VALVES AND FOR EQ SOLENOIDS IN THE HYDROGEN MONITORING SYSTEMS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSTRUMENT AIR HEADER

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BRAIDWOOD UNIT 1 STARTED ITS FIRST REFUELING OUTAGE ON SEPTEMBER 1, 1989. AND IS CURRENTLY IN DAY NINETEEN OF A SCHEDULED SIXTY-NINE DAY OUTAGE.

LAST IE SITE INSPECTION DATE: 08/15/89

Report Period AUG 1989

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)

* BRAIDWOOD 1 *

OTHER ITEMS

INSPECTION REPORT NO: 89021

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
87-06	071889	081489	UNIT 1 AND UNIT 2 REACTOR TRIP AS A RESULT OF LIGHTNING INDUCED VOLTAGE TRANSIENTS AFFECTING THE ROD CONTROL SYSTEM.
89-07	081089	090189	CONTAINMENT VENTILATION ISOLATION ACTUATION SIGNAL DUE TO FAILED HIGH VOLTAGE POWER SUPPLY IN CONTAINMENT BUILDING FUEL HANDLING INCIDENT RADIATION MONITOR.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-457 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: M. W. PETERSON (815) 458-2801 EXT. 2480
4. Licensed Thermal Power (MWT): 3411
5. Nameplate Rating (Gross MWe): 1175
6. Design Electrical Rating (Net MWe): 1120
7. Maximum Dependable Capacity (Gross MWe): 1175
8. Maximum Dependable Capacity (Net MWe): 1120
9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>7,642.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,732.3</u>	<u>6,249.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,702.2</u>	<u>6,179.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,099,116</u>	<u>12,896,262</u>	<u>16,973,880</u>
18. Gross Elec Ener (MWH)	<u>715,724</u>	<u>4,414,999</u>	<u>5,835,191</u>
19. Net Elec Ener (MWH)	<u>685,395</u>	<u>4,201,627</u>	<u>5,552,567</u>
20. Unit Service Factor	<u>100.0</u>	<u>80.6</u>	<u>80.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>80.6</u>	<u>80.9</u>
22. Unit Cap Factor (MDC Net)	<u>82.3</u>	<u>64.3</u>	<u>64.9</u>
23. Unit Cap Factor (DER Net)	<u>82.3</u>	<u>64.3</u>	<u>64.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>6.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>84.3</u>	<u>417.9</u>

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

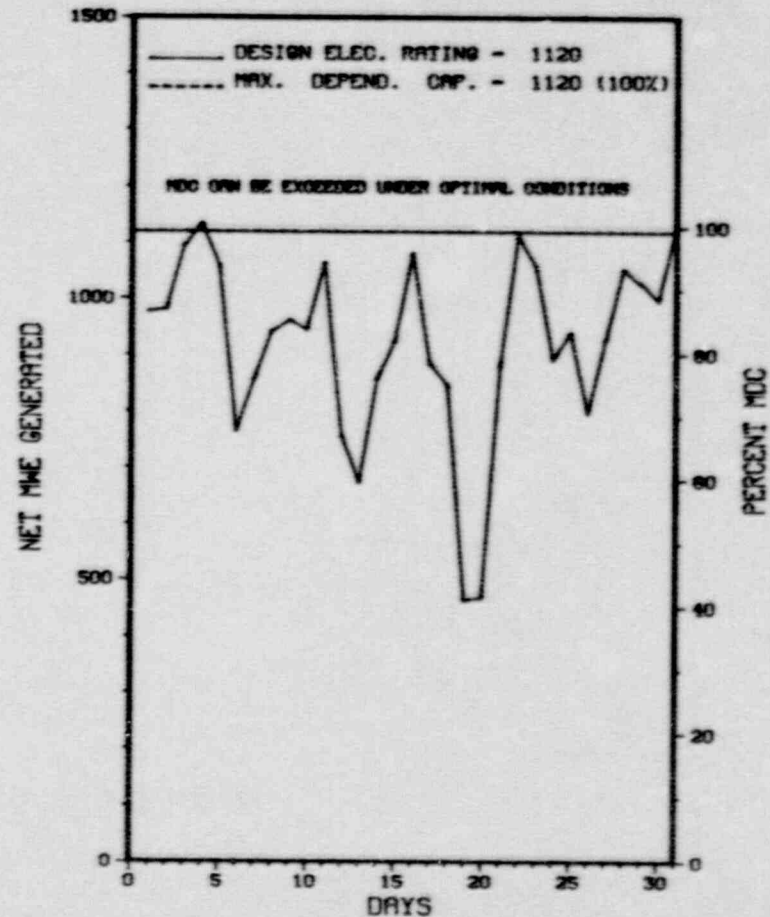
NONE

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

 * BRAIDWOOD 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * BRAIDWOOD 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	08/06/89	S	0.0	F	5				REDUCED LOAD TO FOLLOW DEMAND.
12	08/12/89	S	0.0	F	5				REDUCED LOAD TO FOLLOW DEMAND.
13	08/19/89	S	0.0	F	5				REDUCED LOAD TO FOLLOW DEMAND.

 * SUMMARY *

 BRAIDWOOD 2 ENTERED AUGUST LOAD FOLLOWING AT APPROXIMATELY 88% POWER. THE UNIT INCURRED THREE POWER REDUCTIONS DURING THE MONTH TO LOAD FOLLOW DEMAND.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

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...OCTOBER 17, 1988
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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM JUNE 18 THROUGH JULY 29 (89019; 89019): ROUTINE UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS: LICENSEE EVENT REPORT REVIEW; REGIONAL REQUEST; FOLLOW-UP ON TMI ACTION ITEMS; DUAL UNIT REACTOR TRIP AND UNIT 1 DELTA FLUX EXCURSION; FUEL HANDLING; INSTALLATION AND TESTING OF MODIFICATIONS; OPERATIONAL SAFETY VERIFICATION; ENGINEERED SAFETY FEATURE (ESF) SYSTEMS; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; TRAINING EFFECTIVENESS; REPORT REVIEW; AND MEETINGS AND OTHER ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

MEETING ON JULY 11 (89020; 89020): AN ENFORCEMENT CONFERENCE CONDUCTED TO DISCUSS CONCERNS ASSOCIATED WITH THE OPERABILITY OF THE 2B CENTRIFUGAL CHARGING PUMP WITH A MANUAL ISOLATION VALVE SHUT IN ITS RECIRCULATION LINE, AND PREVIOUS INSTANCES IN WHICH THE OPERABILITY OF EMERGENCY CORE COOLING SYSTEM EQUIPMENT WAS AFFECTED BY MISPOSITIONED VALVES.

INSPECTION ON JUNE 12 THROUGH JULY 6 (89018; 89018): SPECIAL ANNOUNCED SAFETY TEAM INSPECTION OF THE INSTRUMENTATION SYSTEM FOR ASSESSING PLANT CONDITIONS DURING AND FOLLOWING AN ACCIDENT AS SPECIFIED IN REGULATORY GUIDE 1.97, REVISION 3, LICENSEE ACTION ON PREVIOUSLY IDENTIFIED 10 CFR 50.49 RELATED FINDINGS, AND A PART 21 CONCERNING MELAMINE TORQUE SWITCHES IN LIMITORQUE VALVE ACTUATORS (MODULES 30703, 2515/087, AND 62705); SIMS NO. 67.3.3 (OPEN). OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS WERE IDENTIFIED. THE FIRST UNRESOLVED ITEM PERTAINS TO THE USE OF TERMINAL BLOCKS LOCATED IN JUNCTION BOXES WHICH ARE USED IN CONTROL CIRCUIT APPLICATIONS. THE SECOND UNRESOLVED ITEM PERTAINS TO CABLES AND SPLICES LOCATED IN PULL BOXES WHICH ARE SUBJECT TO BEING SUBMERGED. IN ADDITION, TWO OPEN ITEMS WERE IDENTIFIED. THE FIRST

INSPECTION SUMMARY

OPEN ITEM PERTAINS TO THE LICENSEE'S NEED TO SUBMIT A DEVIATION TO REGULATORY GUIDE 1.97 (RG 1.97) REGARDING THE LACK OF A RECORDING DEVICE FOR THE SPRAY ADDITIVE TANK LEVEL (PARAGRAPH 3). THE SECOND OPEN ITEM PERTAINS TO ADDITIONAL REVIEWS REQUIRED BY THE LICENSEE TO ENSURE THAT ALL SUSPECT MELAMINE TORQUE SWITCHES IN LIMITORQUE VALVE ACTUATORS HAVE BEEN REPLACED. THE INSPECTION REVEALED THAT THE LICENSEE HAS IMPLEMENTED A PROGRAM TO MEET THE REQUIREMENTS OF RG 1.97 AND HAS TAKEN CORRECTIVE ACTION TO RESOLVE PREVIOUSLY IDENTIFIED 10 CFR 50.49 FINDINGS.

INSPECTION ON JULY 31 THROUGH AUGUST 3 (89016; 89016): ANNOUNCED SPECIAL SAFETY INSPECTION OF ALLEGATIONS CONCERNING NONDESTRUCTIVE EXAMINATION AND CORROSION OF SMALL BORE PIPING NEITHER ALLEGATION WAS SUBSTANTIATED. THE LICENSEE'S PROGRAM TO DISPOSITION THE CORRODED PIPE AND THE MATERIAL TRACEABILITY VERIFICATION PROGRAM HAD EFFECTIVELY RESOLVED BOTH ISSUES.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

INSPECTION FROM JULY 1 THROUGH AUGUST 19 (88016; 88018): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; PLANT MATERIAL CONDITION; EVENT FOLLOWUP; MUD IN ESSENTIAL SERVICE WATER SYSTEM; MAINTENANCE/SURVEILLANCE ACTIVITIES; BACKLOG; DISCREPANCY RECORDS; SELF-ASSESSMENT CAPABILITIES; FOLLOWUP ON HEADQUARTERS REQUEST (TI 2500/27); ENGINEERING AND TECHNICAL SUPPORT; SECURITY; AND MEETINGS. SIMS ISSUE STATUS FOR UNITS 1 AND 2: CLOSED BL-87-02. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TEN YEARS; ONE VIOLATION WAS IDENTIFIED IN THE FOLLOWING AREA: OPERATIONAL SAFETY. TWO UNRESOLVED ITEMS WERE IDENTIFIED THAT PERTAINED TO THE POWER SOURCE FOR VALVES AND FOR EQ SOLENOIDS IN THE HYDROGEN MONITORING SYSTEMS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSTRUMENT AIR HEADER

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BRAIDWOOD UNIT 2 OPERATING AT POWER LEVEL UP TO 100% AFTER EXPERIENCING A REACTOR TRIP ON SEPTEMBER 8, 1989.

LAST IE SITE INSPECTION DATE: 08/15/89

Report Period AUG 1989

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

* BRAIDWOOD 2 *

INSPECTION REPORT NO: 89021

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
89-03	032289	080989	MISPOSITIONING OF THE 2B CENTRIFUGAL CHARGING PUMP MANUAL MINI FLOW ISOLATION VALVE DUE TO PERSONNEL ERROR.

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: S.A. RATLIFF 205-729-2937

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: _____
NONE

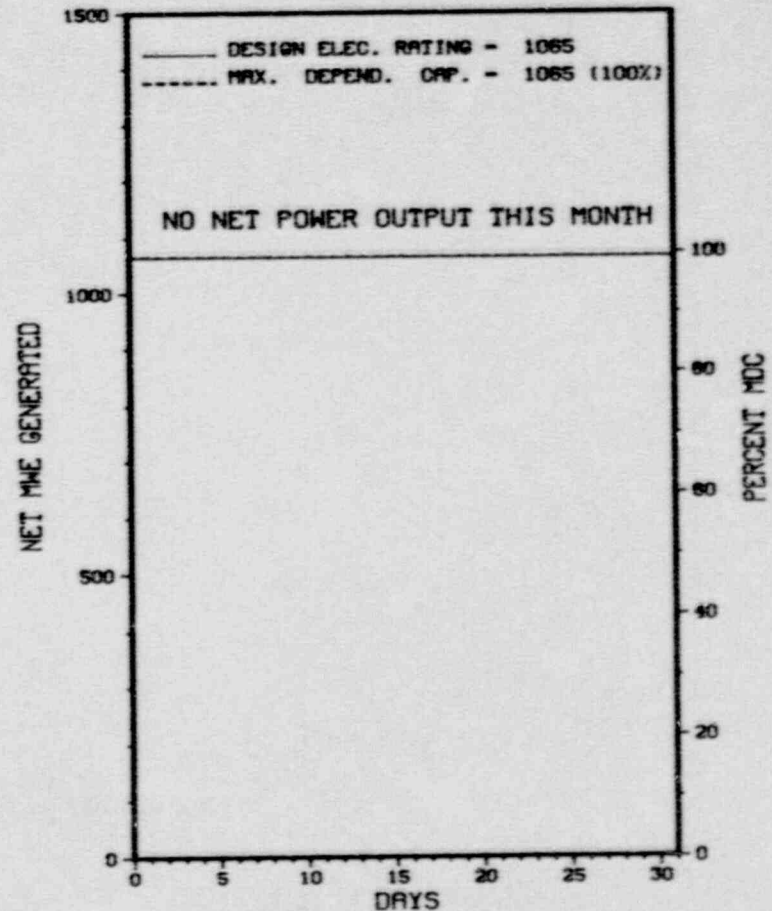
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>132,241.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<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>-2,041</u>	<u>-36,147</u>	<u>53,551,713</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>44.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>44.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>38.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>38.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>48.7</u>
25. Forced Outage Hours	<u>744.0</u>	<u>5,831.0</u>	<u>55,313.1</u>

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

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 1



AUGUST 1989

Report Period AUG 1989

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

* SUMMARY *

BROWNS FERRY 1 REMAINED ON ADMINISTRATIVE HOLD DURING AUGUST 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
	H-Other	4-Continued	Data Entry Sheet
	G-Oper Error	5-Reduced Load	Licensee Event Report
	E-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* BROWNS FERRY 1 *

FACILITY DATA

Report Period AUG 1989

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 OPER...OCTOBER 15, 1973

DATE COMMERCIAL OPER...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 21
 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 MAY 15 - JUNE 15 (89-20): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MAINTENANCE, CONTROL ROD DRIVE HOUSING SEISMIC REANALYSIS, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, RESTART TEST PROGRAM, VOLUME III COMMITMENTS, AND SITE MANAGEMENT AND ORGANIZATION, AND TRAINING. ONE VIOLATION, ONE DEVIATION, TWO INSPECTOR FOLLOWUP ITEMS AND FOUR UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION JUNE 16 - JULY 15 (89-27): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF MAINTENANCE OBSERVATION, FOLLOWUP OF NRC BULLETINS, OPERATIONAL SAFETY VERIFICATION, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, AND SITE MANAGEMENT AND ORGANIZATION. THE LICENSEE CONTINUES TO HAVE DIFFICULTY MEETING TS REQUIREMENTS. THIS IS PARTIALLY DUE TO THE DIVISIONAL OUTAGES IN PROGRESS WHICH MAINTAIN THE MINIMUM TS REQUIRED SYSTEMS OPERABLE. RHR CONFIGURATION CONTROL CONTINUES TO BE A PROBLEM. A VIOLATION WAS IDENTIFIED FOR NOT MAINTAINING THE TS REQUIRED NUMBER OF OPERABLE RHR LOOPS. EXAMPLES WERE FOUND WHERE THE LICENSEE HAS NOT BEEN CONSERVATIVE IN SUBMITTING LERS WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT PER 10 CFR 50.73. THE APPROACH HAS BEEN TO FULLY ANALYZE AN EVENT PRIOR TO SUBMITTING A LER ALTHOUGH INDICATION EXISTS OF A PROBLEM WHEN THE EVENT IS DISCOVERED. A VIOLATION WITH THREE EXAMPLES FOR FAILURE TO SUBMIT A LER WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT WAS IDENTIFIED.

INSPECTION JULY 15 - AUGUST 15 (89-33): THIS ROUTINE RESIDENT INSPECTION INCLUDED SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MODIFICATION, CONTROL OF HIGH RADIATION AREAS, OPERATIONAL SAFETY VERIFICATION, RESTART TEST PROGRAM, SITE MANAGEMENT, AND ORGANIZATION. A VIOLATION WAS IDENTIFIED FOR FAILURE TO FOLLOW A SI PROCEDURE AND REVIEW THE RESULTS WITHIN THE REQUIRED TIME PERIOD. THIS RESULTED IN INVALIDATION OF THE SI AND EQUIPMENT BEING DECLARED INOPERABLE. A TS VIOLATION WAS

INSPECTION SUMMARY

IDENTIFIED WHEN TWO FIRE DOORS WERE FOUND OPEN WITHOUT COMPENSATORY MEASURES TAKEN. THIS ITEM WAS SIGNIFICANT IN THAT THE TWO DOORS WERE ON A FREQUENTLY TRAVELED PATH TO THE CONTROL ROOM AND PLANT PERSONNEL DID NOT QUESTION THIS CONDITION. THE LICENSEE DEMONSTRATED GOOD PLANNING AND WORK CONTROL IN SUCCESSFULLY COMPLETING THE CONDENSER VACUUM TEST. THE MAINTENANCE DEPARTMENT HAS REVERSED AN UPWARD TREND AND DECREASED THE NUMBER OF OPEN MRS OVER THE PAST SEVERAL MONTHS. THE NUMBER OF OPEN CAQRs IN THE MAINTENANCE AREA HAS BEEN CUT IN HALF DURING THIS TIME PERIOD ALSO. GREATER EMPHASIS HAS BEEN PLACED ON ELIMINATING LATE PREVENTIVE MAINTENANCE ITEMS. THESE IMPROVEMENTS WERE OBSERVED WHILE MAINTENANCE PROVIDED TIMELY SUPPORT FOR ACCOMPLISHING THE CONDENSER VACUUM TEST AND IN-LEAKAGE REDUCTION. A LICENSEE IDENTIFIED VIOLATION WAS IDENTIFIED CONCERNING THE CONTROL OF HIGH RADIATION AREAS. THE LICENSEE ACTION TO CORRECT THIS PROBLEM WAS ACCEPTABLE AND AGGRESSIVE. HOUSEKEEPING IN THE SSGT ROOM SHOULD BE IMPROVED. AN UNRESOLVED ITEM CONCERNING SSGT LCO WAS IDENTIFIED. THIS ITEM NEEDS TO BE RESOLVED WITH A TS CHANGE PRIOR TO RESTART.

INSPECTION JULY 25-28 (89-34): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF FOLLOWUP OF GENERIC LETTER 88-01 WORK ACTIVITIES, REVIEW OF LICENSEE CORRECTIVE ACTIONS ON PREVIOUS INSPECTION FINDINGS, REVIEW OF CORRECTIVE ACTIONS REGARDING LICENSEE EVENT REPORT (LER) 259-83-049, AND REVIEW OF LICENSEE ACTIONS REGARDING NRC INFORMATION NOTICES 89-01 AND 88-82. LICENSEE RESPONSIVENESS TO NRC INITIATIVES WAS VERY GOOD. CORRECTIVE ACTIONS TAKEN ON PREVIOUS INSPECTOR FINDINGS WAS THOROUGH. AN APPARENT SOFTWARE PROBLEM WAS IDENTIFIED BY THE INSPECTOR ON TVA'S AUTOMATED ULTRASONIC SYSTEM (INTROSPECT I-98) THAT MAY HAVE HARDWARE IMPLICATIONS. THE LICENSEE IS INVESTIGATING THIS FINDING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 15 - AUGUST 16 (89-35): THIS ROUTINE RESIDENT INSPECTION INCLUDED REPORTABLE OCCURRENCES AND ACTION ON PREVIOUS INSPECTION FINDINGS. FOURTEEN LERS WERE REVIEWED AND CLOSED. FOURTEEN IFI'S WERE REVIEWED AND ELEVEN WERE CLOSED. FIVE VIOLATIONS WERE REVIEWED AND ONE REMAINS OPEN. SEVEN URIS WERE CLOSED WITH ONE BEING UPGRADED TO A NOV AND TWO UPGRADED TO NCVS. THE NOV INVOLVED OPERATOR RESPONSE TO AN OFF-NORMAL CONDITION. THE TWO NCVS CONCERNED DESIGN CONTROL TO PREVENT SINGLE FAILURE AND A MISSED SI.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.73, A REPORT WAS NOT SUBMITTED 30 DAYS AFTER THE DISCOVERY OF THE EVENT, THREE EXAMPLES WERE GIVEN.
BROWNS FERRY 1 (8902 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN 03/19/85, DEFUELED.

Report Period AUG 1989

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

* BROWNS FERRY 1 *

OTHER ITEMS

LAST IE SITE INSPECTION DATE: SEPTEMBER 18, 1989 +
INSPECTION REPORT NO: 50-259/89-42 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-019	07/26/89	08/24/89	UNPLANNED ENGINEERED SAFETY FEATURE ACTUATION CAUSED BY FAILED CONNECTION AT RADIATION DETECTOR DUE TO REPEATED MOVEMENT OF DETECTOR CABLE

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: S.A. RATLIFF (205) 729-2937

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>127,152.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>-5,725</u>	<u>-21,917</u>	<u>49,136,631</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>42.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>42.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>36.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>36.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>48.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>5,831.0</u>	<u>51,368.4</u>

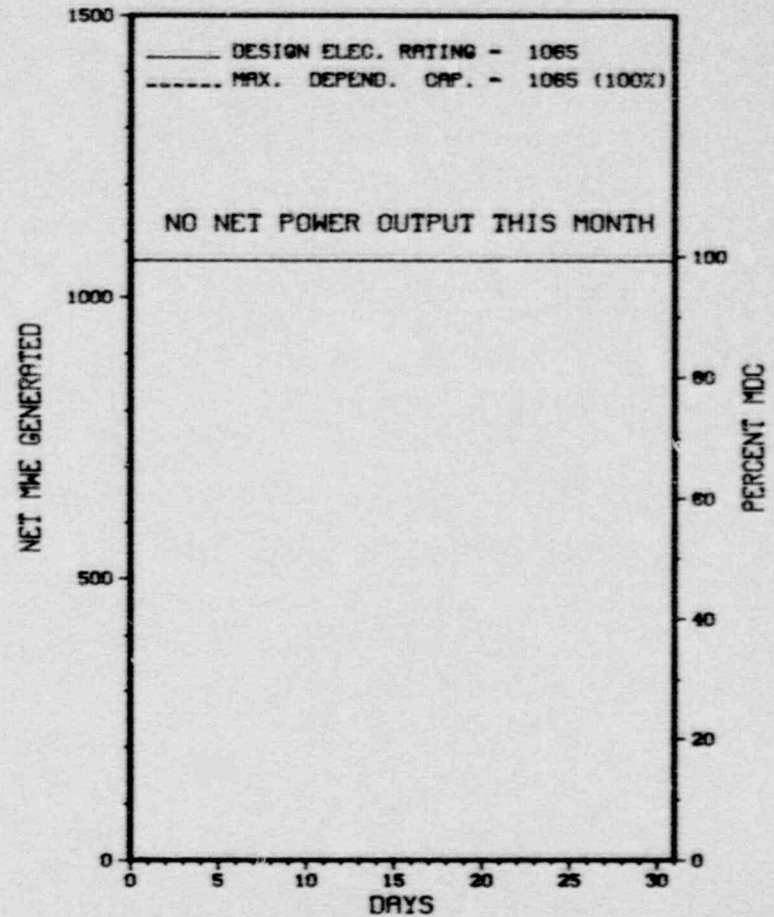
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



AUGUST 1989

Report Period AUG 1989

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

 * SUMMARY *

 BROWNS FERRY 2 REMAINED ON ADMINISTRATIVE HOLD DURING AUGUST IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS. MODIFICATIONS AND OPERATIONS & MAINTENANCE WORK CONTINUES TO SUPPORT RESTART.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

DATE ELEC ENER 1ST GENER...AUGUST 28, 1974

DATE COMMERCIAL OPERATE...MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....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 MAY 15 - JUNE 15 (89-20): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MAINTENANCE, CONTROL ROD DRIVE HOUSING SEISMIC REANALYSIS, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, RESTART TEST PROGRAM, VOLUME II, COMMITMENTS, AND SITE MANAGEMENT AND ORGANIZATION, AND TRAINING. ONE VIOLATION, ONE DEVIATION, TWO INSPECTOR FOLLOWUP ITEMS AND FOUR UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION JUNE 16 - JULY 15 (89-27): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF MAINTENANCE OBSERVATION, FOLLOWUP OF NRC BULLETINS, OPERATIONAL SAFETY VERIFICATION, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, AND SITE MANAGEMENT AND ORGANIZATION. THE LICENSEE CONTINUES TO HAVE DIFFICULTY MEETING TS REQUIREMENTS. THIS IS PARTIALLY DUE TO THE DIVISIONAL OUTAGES IN PROGRESS WHICH MAINTAIN THE MINIMUM TS REQUIRED SYSTEMS OPERABLE. RHR CONFIGURATION CONTROL CONTINUES TO BE A PROBLEM. A VIOLATION WAS IDENTIFIED FOR NOT MAINTAINING THE TS REQUIRED NUMBER OF OPERABLE RHR LOOPS. EXAMPLES WERE FOUND WHERE THE LICENSEE HAS NOT BEEN CONSERVATIVE IN SUBMITTING LERS WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT PER 10 CFR 50.73. THE APPROACH HAS BEEN TO FULLY ANALYZE AN EVENT PRIOR TO SUBMITTING A LER ALTHOUGH INDICATION EXISTS OF A PROBLEM WHEN THE EVENT IS DISCOVERED. A VIOLATION WITH THREE EXAMPLES FOR FAILURE TO SUBMIT A LER WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT WAS IDENTIFIED.

INSPECTION JULY 15 - AUGUST 15 (89-33): THIS ROUTINE RESIDENT INSPECTION INCLUDED SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MODIFICATION, CONTROL OF HIGH RADIATION AREAS, OPERATIONAL SAFETY VERIFICATION, RESTART TEST PROGRAM, SITE MANAGEMENT, AND ORGANIZATION. A VIOLATION WAS IDENTIFIED FOR FAILURE TO FOLLOW A SI PROCEDURE AND REVIEW THE RESULTS WITHIN THE REQUIRED TIME PERIOD. THIS RESULTED IN INVALIDATION OF THE SI AND EQUIPMENT BEING DECLARED INOPERABLE. A TS VIOLATION WAS

INSPECTION SUMMARY

IDENTIFIED WHEN TWO FIRE DOORS WERE FOUND OPEN WITHOUT COMPENSATORY MEASURES TAKEN. THIS ITEM WAS SIGNIFICANT IN THAT THE TWO DOORS WERE ON A FREQUENTLY TRAVELED PATH TO THE CONTROL ROOM AND PLANT PERSONNEL DID NOT QUESTION THIS CONDITION. THE LICENSEE DEMONSTRATED GOOD PLANNING AND WORK CONTROL IN SUCCESSFULLY COMPLETING THE CONDENSER VACUUM TEST. THE MAINTENANCE DEPARTMENT HAS REVERSED AN UPWARD TREND AND DECREASED THE NUMBER OF OPEN MRS OVER THE PAST SEVERAL MONTHS. THE NUMBER OF OPEN CAQRS IN THE MAINTENANCE AREA HAS BEEN CUT IN HALF DURING THIS TIME PERIOD ALSO. GREATER EMPHASIS HAS BEEN PLACED ON ELIMINATING LATE PREVENTIVE MAINTENANCE ITEMS. THESE IMPROVEMENTS WERE OBSERVED WHILE MAINTENANCE PROVIDED TIMELY SUPPORT FOR ACCOMPLISHING THE CONDENSER VACUUM TEST AND IN-LEAKAGE REDUCTION. A LICENSEE IDENTIFIED VIOLATION WAS IDENTIFIED CONCERNING THE CONTROL OF HIGH RADIATION AREAS. THE LICENSEE ACTION TO CORRECT THIS PROBLEM WAS ACCEPTABLE AND AGGRESSIVE. HOUSEKEEPING IN THE SBTG ROOM SHOULD BE IMPROVED. AN UNRESOLVED ITEM CONCERNING SBTG LCO WAS IDENTIFIED. THIS ITEM NEEDS TO BE RESOLVED WITH A TS CHANGE PRIOR TO RESTART.

INSPECTION JULY 25-28 (89-34): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF FOLLOWUP OF GENERIC LETTER 88-01 WORK ACTIVITIES, REVIEW OF LICENSEE CORRECTIVE ACTIONS ON PREVIOUS INSPECTION FINDINGS, REVIEW OF CORRECTIVE ACTIONS REGARDING LICENSEE EVENT REPORT (LER) 259-83-049, AND REVIEW OF LICENSEE ACTIONS REGARDING NRC INFORMATION NOTICES 89-01 AND 88-82. LICENSEE RESPONSIVENESS TO NRC INITIATIVES WAS VERY GOOD. CORRECTIVE ACTIONS TAKEN ON PREVIOUS INSPECTOR FINDINGS WAS THOROUGH. AN APPARENT SOFT WARE PROBLEM WAS IDENTIFIED BY THE INSPECTOR ON TVA'S AUTOMATED ULTRASONIC SYSTEM (INTROSPECT I-98) THAT MAY HAVE HARDWARE IMPLICATIONS. THE LICENSEE IS INVESTIGATING THIS FINDING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 15 - AUGUST 16 (89-35): THIS ROUTINE RESIDENT INSPECTION INCLUDED REPORTABLE OCCURRENCES AND ACTION ON PREVIOUS INSPECTION FINDINGS. FOURTEEN LERS WERE REVIEWED AND CLOSED. FOURTEEN IFI'S WERE REVIEWED AND ELEVEN WERE CLOSED. FIVE VIOLATIONS WERE REVIEWED AND ONE REMAINS OPEN. SEVEN URIS WERE CLOSED WITH ONE BEING UPGRADED TO A NOV AND TWO UPGRADED TO NCVS. THE NOV INVOLVED OPERATOR RESPONSE TO AN OFF-NORMAL CONDITION. THE TWO NCVS CONCERNED DESIGN CONTROL TO PREVENT SINGLE FAILURE AND A MISSED SI.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.5.B.9, 3.5.D.1 AND 3.5.2.2, DURING THE PERIOD OF MAY 10-25, 1989, THE LICENSEE DID NOT MEET THE TS REQUIREMENTS FOR AT LEAST TWO OPERABLE RHR PUMPS. DURING THIS PERIOD, ONLY RHR LOOP I PUMP "A" WAS OPERABLE, THE RHR LOOP II PUMPS ("B" AND "D") WERE INOPERABLE FOR A SCHEDULED OUTAGE, AND RHR LOOP I PUMP "C" WAS INOPERABLE DUE TO ITS ASSOCIATED PUMP AREA COOLER FAN MOTOR ROTATION BEING REVERSED. CONTRARY TO TS 3.5.B.9, DURING THE PERIOD OF JUNE 18-22, 1989, THE LICENSEE DID NOT MEET THE TS REQUIREMENTS FOR AT LEAST ONE OPERABLE RHR LOOP. DURING THIS PERIOD, LOOP II OF THE RHR SYSTEM WAS INOPERABLE DUE TO AN INOPERABLE TESTABLE CHECK VALVE WHILE LOOP I WAS OPERABLE DUE TO MAINTENANCE. CONTRARY TO 10 CFR 50.73, A REPORT WAS NOT SUBMITTED 30 DAYS AFTER THE DISCOVERY OF THE EVENT, THREE EXAMPLES WERE GIVEN.
BROWNS FERRY 2 (8902 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

Report Period AUG 1989

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

* BROWNS FERRY 2 *

OTHER ITEMS

NONE.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1984. FUEL RELOADED JANUARY 1989.

LAST IE SITE INSPECTION DATE: SEPTEMBER 18, 1989 +

INSPECTION REPORT NO: 50-260/89-42 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-022	07/21/89	08/20/89	TECHNICAL SPECIFICATION VIOLATION DUE TO LOSS OF TWO TRAINS OF STANDBY GAS TREATMENT SYSTEM
89-023	07/23/89	08/22/89	LOSS OF SECONDARY CONTAINMENT DUE TO LOSS OF TWO TRAINS OF STANDBY GAS TREATMENT SYSTEM
89-024	07/18/89	08/18/89	CONTRACT ENGINEER ENTERED HIGH RADIATION AREA WITHOUT PROPER DOSE MONITORING EQUIPMENT DUE TO PERSONNEL ERROR

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-296 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: S.A RATLIFF (205) 729-2937

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>109,607.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</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>-2,521</u>	<u>-13,788</u>	<u>42,004,062</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>40.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>40.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>36.0</u>
23. Unit Cap Factor (BER Net)	<u>.0</u>	<u>.0</u>	<u>36.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>50.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>5,831.0</u>	<u>45,352.4</u>

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

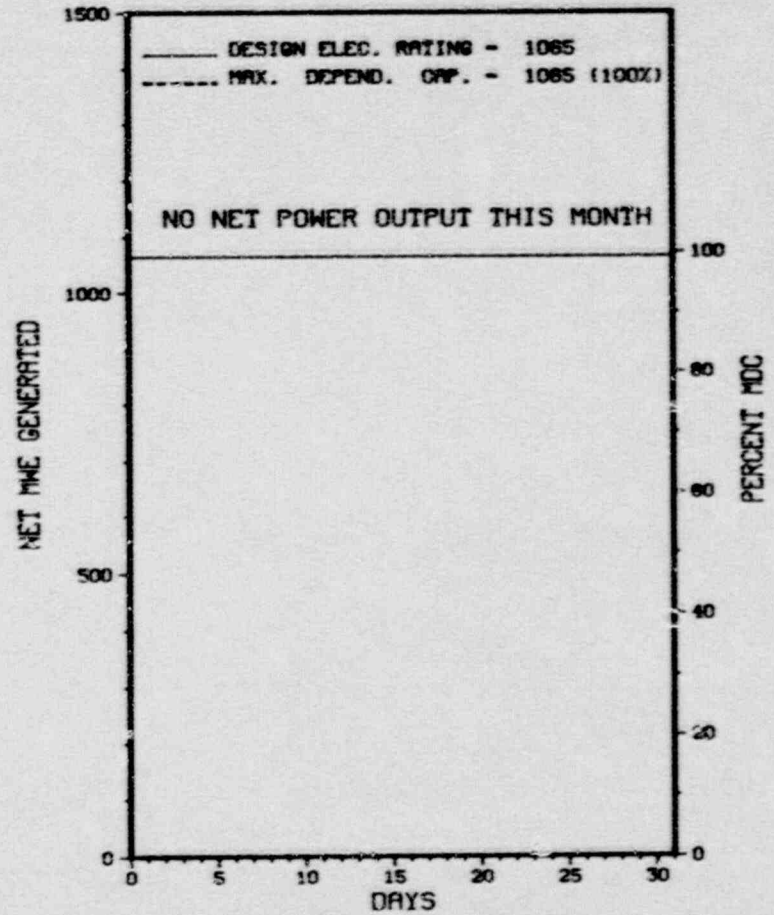
NONE

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

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



AUGUST 1989

Report Period AUG 1989

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

 * SUMMARY *

 BROWNS FERRY 3 REMAINED ON ADMINISTRATIVE HOLD DURING AUGUST 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 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I1
 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

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

INSPECTION SUMMARY

+ INSPECTION MAY 15 - JUNE 15 (89-20): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MAINTENANCE, CONTROL ROD DRIVE HOUSING SEISMIC REANALYSIS, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, RESTART TEST PROGRAM, VOLUME III COMMITMENTS, AND SITE MANAGEMENT AND ORGANIZATION, AND TRAINING. ONE VIOLATION, ONE DEVIATION, TWO INSPECTOR FOLLOWUP ITEMS AND FOUR UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION JUNE 16 - JULY 15 (89-27): THIS ROUTINE RESIDENT INSPECTION INCLUDED THE AREAS OF MAINTENANCE OBSERVATION, FOLLOWUP OF NRC BULLETINS, OPERATIONAL SAFETY VERIFICATION, REPORTABLE OCCURRENCES, ACTION ON PREVIOUS INSPECTION FINDINGS, AND SITE MANAGEMENT AND ORGANIZATION. THE LICENSEE CONTINUES TO HAVE DIFFICULTY MEETING TS REQUIREMENTS. THIS IS PARTIALLY DUE TO THE DIVISIONAL OUTAGES IN PROGRESS WHICH MAINTAIN THE MINIMUM TS REQUIRED SYSTEMS OPERABLE. RHR CONFIGURATION CONTROL CONTINUES TO BE A PROBLEM. A VIOLATION WAS IDENTIFIED FOR NOT MAINTAINING THE TS REQUIRED NUMBER OF OPERABLE RHR LOOPS. EXAMPLES WERE FOUND WHERE THE LICENSEE HAS NOT BEEN CONSERVATIVE IN SUBMITTING LERS WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT PER 10 CFR 50.73. THE APPROACH HAS BEEN TO FULLY ANALYZE AN EVENT PRIOR TO SUBMITTING A LER ALTHOUGH INDICATION EXISTS OF A PROBLEM WHEN THE EVENT IS DISCOVERED. A VIOLATION WITH THREE EXAMPLES FOR FAILURE TO SUBMIT A LER WITHIN 30 DAYS OF THE DISCOVERY OF THE EVENT WAS IDENTIFIED.

INSPECTION JULY 15 - AUGUST 15 (89-33): THIS ROUTINE RESIDENT INSPECTION INCLUDED SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, MODIFICATION, CONTROL OF HIGH RADIATION AREAS, OPERATIONAL SAFETY VERIFICATION, RESTART TEST PROGRAM, SITE MANAGEMENT, AND ORGANIZATION. A VIOLATION WAS IDENTIFIED FOR FAILURE TO FOLLOW A SI PROCEDURE AND REVIEW THE RESULTS WITHIN THE REQUIRED TIME PERIOD. THIS RESULTED IN INVALIDATION OF THE SI AND EQUIPMENT BEING DECLARED INOPERABLE. A TS VIOLATION WAS

INSPECTION SUMMARY

IDENTIFIED WHEN TWO FIRE DOORS WERE FOUND OPEN WITHOUT COMPENSATORY MEASURES TAKEN. THIS ITEM WAS SIGNIFICANT IN THAT THE TWO DOORS WERE ON A FREQUENTLY TRAVELED PATH TO THE CONTROL ROOM AND PLANT PERSONNEL DID NOT QUESTION THIS CONDITION. THE LICENSEE DEMONSTRATED GOOD PLANNING AND WORK CONTROL IN SUCCESSFULLY COMPLETING THE CONDENSER VACUUM TEST. THE MAINTENANCE DEPARTMENT HAS REVERSED AN UPWARD TREND AND DECREASED THE NUMBER OF OPEN MRS OVER THE PAST SEVERAL MONTHS. THE NUMBER OF OPEN CAQRS IN THE MAINTENANCE AREA HAS BEEN CUT IN HALF DURING THIS TIME PERIOD ALSO. GREATER EMPHASIS HAS BEEN PLACED ON ELIMINATING LATE PREVENTIVE MAINTENANCE ITEMS. THESE IMPROVEMENTS WERE OBSERVED WHILE MAINTENANCE PROVIDED TIMELY SUPPORT FOR ACCOMPLISHING THE CONDENSER VACUUM TEST AND IN-LEAKAGE REDUCTION. A LICENSEE IDENTIFIED VIOLATION WAS IDENTIFIED CONCERNING THE CONTROL OF HIGH RADIATION AREAS. THE LICENSEE ACTION TO CORRECT THIS PROBLEM WAS ACCEPTABLE AND AGGRESSIVE. HOUSEKEEPING IN THE SBTG ROOM SHOULD BE IMPROVED. AN UNRESOLVED ITEM CONCERNING SBTG LCO WAS IDENTIFIED. THIS ITEM NEEDS TO BE RESOLVED WITH A TS CHANGE PRIOR TO RESTART.

INSPECTION JULY 25-28 (89-34): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF FOLLOWUP OF GENERIC LETTER 88-01 WORK ACTIVITIES, REVIEW OF LICENSEE CORRECTIVE ACTIONS ON PREVIOUS INSPECTION FINDINGS, REVIEW OF CORRECTIVE ACTIONS REGARDING LICENSEE EVENT REPORT (LER) 259-83-049, AND REVIEW OF LICENSEE ACTIONS REGARDING NRC INFORMATION NOTICES 89-01 AND 88-82. LICENSEE RESPONSIVENESS TO NRC INITIATIVES WAS VERY GOOD. CORRECTIVE ACTIONS TAKEN ON PREVIOUS INSPECTOR FINDINGS WAS THOROUGH. AN APPARENT SOFT WARE PROBLEM WAS IDENTIFIED BY THE INSPECTOR ON TVA'S AUTOMATED ULTRASONIC SYSTEM (INTROSPECT I-98) THAT MAY HAVE HARDWARE IMPLICATIONS. THE LICENSEE IS INVESTIGATING THIS FINDING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 15 - AUGUST 16 (89-35): THIS ROUTINE RESIDENT INSPECTION INCLUDED REPORTABLE OCCURRENCES AND ACTION ON PREVIOUS INSPECTION FINDINGS. FOURTEEN LERS WERE REVIEWED AND CLOSED. FOURTEEN IFI'S WERE REVIEWED AND ELEVEN WERE CLOSED. FIVE VIOLATIONS WERE REVIEWED AND ONE REMAINS OPEN. SEVEN URIS WERE CLOSED WITH ONE BEING UPGRADED TO A NOV AND TWO UPGRADED TO NCVS. THE NOV INVOLVED OPERATOR RESPONSE TO AN OFF-NORMAL CONDITION. THE TWO NCVS CONCERNED DESIGN CONTROL TO PREVENT SINGLE FAILURE AND A MISSED SI.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.73, A REPORT WAS NOT SUBMITTED 30 DAYS AFTER THE DISCOVERY OF THE EVENT, THREE EXAMPLES WERE GIVEN.
BROWNS FERRY 3 (8902 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

Report Period AUG 1989

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

* BROWNS FERRY 3 *

OTHER ITEMS

LAST IE SITE INSPECTION DATE: SEPTEMBER 18, 1989 +

INSPECTION REPORT NO: 50-296/89-42 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

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: 08/01/89 Outage + On-line Hrs: 744.0

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

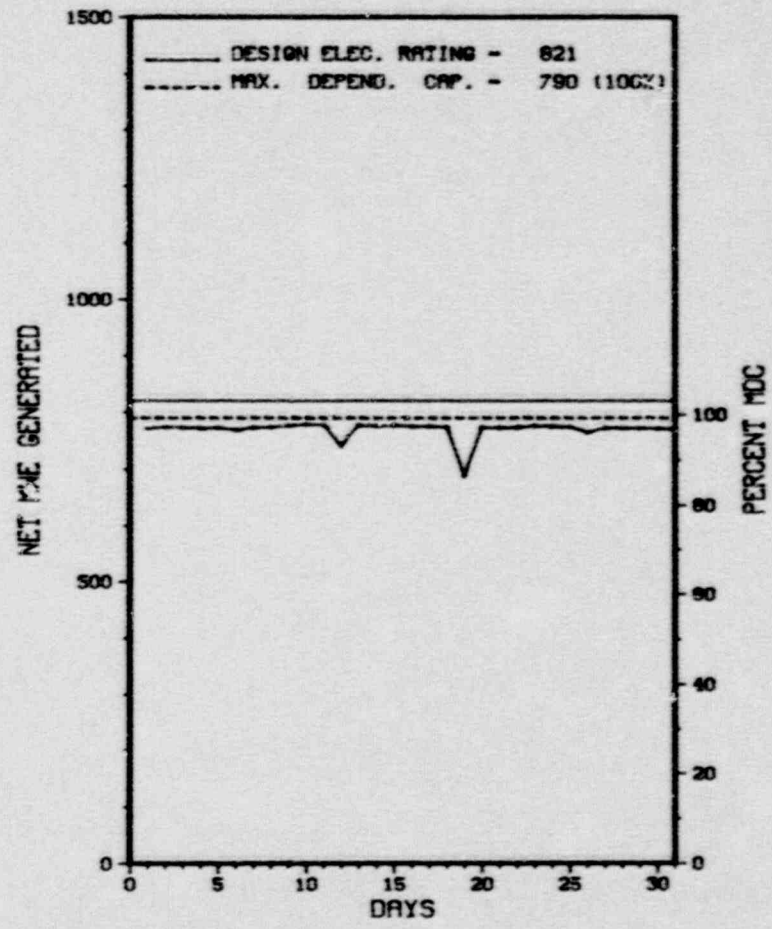
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>109,200.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,006.8</u>	<u>70,605.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,855.3</u>	<u>67,232.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,802,176</u>	<u>6,670,133</u>	<u>142,954,078</u>
18. Gross Elec Ener (MWH)	<u>590,765</u>	<u>2,184,855</u>	<u>46,915,387</u>
19. Net Elec Ener (MWH)	<u>572,717</u>	<u>2,099,225</u>	<u>45,133,234</u>
20. Unit Service Factor	<u>100.0</u>	<u>49.0</u>	<u>61.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>49.0</u>	<u>61.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>45.6</u>	<u>52.3</u>
23. Unit Cap Factor (DER Net)	<u>93.8</u>	<u>43.9</u>	<u>50.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>14.1</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>469.2</u>	<u>11,342.5</u>

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

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

 * BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BRUNSWICK 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-027	08/12/89	S	0.0	B	5				POWER REDUCTION FOR POST-MAINTENANCE TESTING OF 1C HEATER DRAIN PUMP AND ROUTINE VALVE TESTING.
89-030	08/19/89	S	0.0	B	5				POWER REDUCTION FOR MAIN STEAM ISOLATION, TURBINE CONTROL, AND EXTRACTION STEAM STOP VALVE TESTING.

 * SUMMARY *

 BRUNSWICK 1 INCURRED TWO SCHEDULED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. RULAND
LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-325
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

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

INSPECTION SUMMARY

+ INSPECTION JUNE 22 - JULY 31 (89-14): THIS ROUTINE SAFETY INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, ROSEMOUNT ANALOG TRANSMITTER TRIP UNIT FAILURES, CONTAINMENT ATMOSPHERE DILUTION SYSTEM OPERABILITY, FOLLOWUP ON TI 2515/95 - VERIFICATION OF BWR RECIRCULATION PUMP TRIP, INSTALLATION AND TESTING OF MODIFICATIONS, INSPECTION OF TRANSPORTATION ACTIVITIES, ONSITE LICENSEE EVENT REPORT REVIEW, IN OFFICE LICENSEE EVENT REPORT REVIEW, AND ACTION ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: THE FIRST INVOLVED A FAILURE TO FOLLOW PROCEDURE REGARDING LIFTING A CORE SPRAY PUMP MOTOR DURING MAINTENANCE. THE MOTOR WEIGHT WAS GREATER THAN THE RATED CAPACITY OF THE FORK LIFT, CONTRARY TO A WRITTEN SPECIAL PROCEDURE. THE SECOND WAS CONSIDERED LICENSEE IDENTIFIED, AND INVOLVED A FAILURE TO COMPLY WITH TECHNICAL SPECIFICATIONS DUE TO AN INADEQUATE CLEARANCE REVIEW.

INSPECTION JULY 10-14 (89-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, LICENSEE IDENTIFIED ITEMS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED PERTAINING TO FAILURE OF THE LICENSEE TO CONDUCT AN ADEQUATE REVIEW OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM SUPPORTS. AN UNRESOLVED ITEM WAS ALSO IDENTIFIED REGARDING POSSIBLE DEFICIENCIES IN THE DESIGN OF SUPPLEMENTAL STRUCTURAL STEEL SUPPORTING SAFTY-RELATED EQUIPMENT. THE VIOLATION AND UNRESOLVED ITEM INDICATE WEAKNESSES IN THE LICENSEE'S CORRECTIVE ACTION AND DESIGN CONTROL PROGRAMS.

INSPECTION JULY 20-22 (89-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF PHYSICAL PROTECTION OF SHIPMENTS OF IRRADIATED FUEL. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

Report Period AUG 1989

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

* BRUNSWICK 1 *

INSPECTION SUMMARY

INSPECTION AUGUST 3-4 (89-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF PHYSICAL PROTECTION OF SHIPMENTS OF IRRADIATED FUEL. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX R, III G. 2.6, ON MAY 23, 1989, THE NRC INSPECTORS FOUND THAT THE HPCI (TRAIN A) AND LPCI (TRAIN B) WERE NOT INSTALLED IN ACCORDANCE WITH DRAWINGS AND EXEMPTIONS AT ELEVATION OF 20 FEET IN THE SOUTHWEST CORNER OF UNIT 1 REACTOR BUILDING. CONTRARY TO THE REQUIREMENT OF CRITERION III AND V, 10 CFR 50, APPENDIX B, THE LICENSEE FAILED TO REPAIR A PIPE SUPPORT WITHIN THE TIME PRESCRIBED ON EER 85-0364, AND THE DESIGN VERIFICATION FOR EER 85-0364 WAS INADEQUATE AND INCORRECT.
BRUNSWICK 1 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

(1) SAFETY SYSTEM ORIFICE PLATE DEFORMATION PROBLEMS - (ORIFICE PLATES REPAIRED IN UNIT 1) (2) CRACK IN CS NOZZLE AND RECIRC PUMP RISER NOZZLES - (WELD OVERLAYS PERFORMED IN UNIT 1) (3) APPENDIX R DEFICIENCIES IDENTIFIED - (CORRECTED IN UNIT 1) (4) SW DEFICIENCIES IDENTIFIED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 15, 1989 +

INSPECTION REPORT NO: 50-325/89-33 +

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-323 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

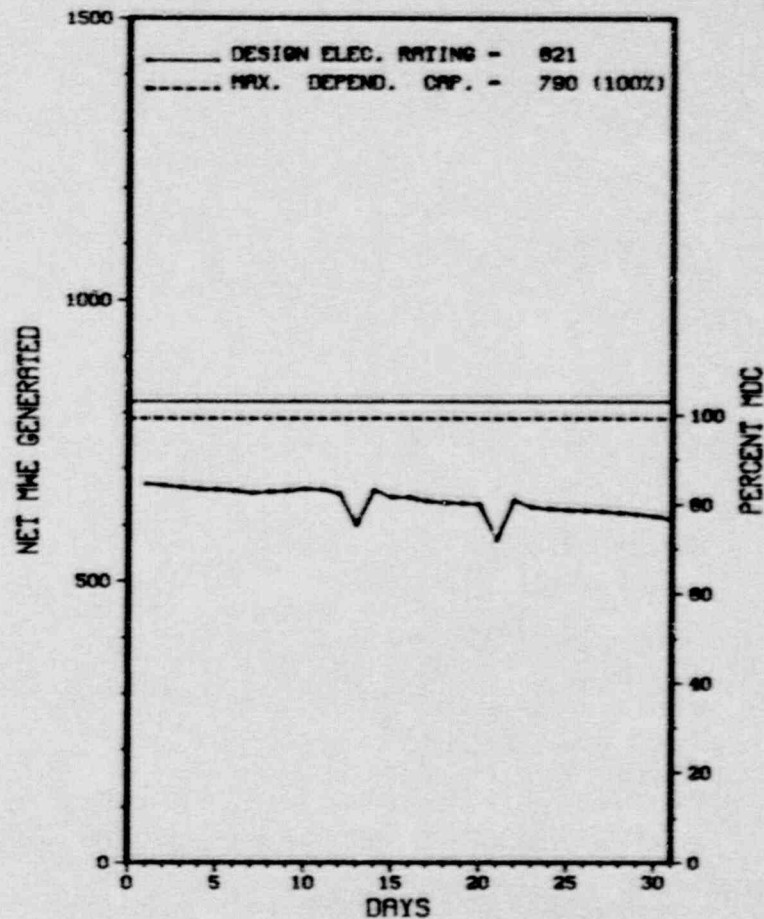
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>121,224.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,587.0</u>	<u>78,305.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,571.1</u>	<u>74,180.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,566,162</u>	<u>12,999,558</u>	<u>152,009,911</u>
18. Gross Elec Ener (MWH)	<u>496,805</u>	<u>4,228,945</u>	<u>50,052,297</u>
19. Net Elec Ener (MWH)	<u>477,569</u>	<u>4,086,574</u>	<u>48,051,025</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.5</u>	<u>61.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.5</u>	<u>61.2</u>
22. Unit Cap Factor (MDC Net)	<u>81.3</u>	<u>88.7</u>	<u>50.2</u>
23. Unit Cap Factor (DER Net)	<u>78.2</u>	<u>85.4</u>	<u>48.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.5</u>	<u>13.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>259.9</u>	<u>12,104.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUEL/MAINT - SEPT 9, 1989 - 164 DAY DURATION.

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

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
89-038	08/12/89	S	0.0	H	5			POWER REDUCTION FOR LOAD FOLLOWING AND ROUTINE VALVE TESTING.
89-039	08/21/89	F	0.0	H	5			POWER REDUCTION DUE TO CIRCULATING WATER INTAKE PUMP TRIPPED ON HI DELTA P ACROSS THE SCREEN. POWER REDUCED TO 60% TO MAINTAIN VACUUM.

 * SUMMARY *

 BRUNSWICK 2 INCURRED TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. RULAND
LICENSING PROJ MANAGER.....E. TOURIGNY
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

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

INSPECTION SUMMARY

+ INSPECTION JUNE 22 - JULY 31 (89-14): THIS ROUTINE SAFETY INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, ROSEMOUNT ANALOG TRANSMITTER TRIP UNIT FAILURES, CONTAINMENT ATMOSPHERE DILUTION SYSTEM OPERABILITY, FOLLOWUP ON TI 2515/95 - VERIFICATION OF BWR RECIRCULATION PUMP TRIP, INSTALLATION AND TESTING OF MODIFICATIONS, INSPECTION OF TRANSPORTATION ACTIVITIES, ONSITE LICENSEE EVENT REPORT REVIEW, IN OFFICE LICENSEE EVENT REPORT REVIEW, AND ACTION ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: THE FIRST INVOLVED A FAILURE TO FOLLOW PROCEDURE REGARDING LIFTING A CORE SPRAY PUMP MOTOR DURING MAINTENANCE. THE MOTOR WEIGHT WAS GREATER THAN THE RATED CAPACITY OF THE FORK LIFT, CONTRARY TO A WRITTEN SPECIAL PROCEDURE. THE SECOND WAS CONSIDERED LICENSEE IDENTIFIED, AND INVOLVED A FAILURE TO COMPLY WITH TECHNICAL SPECIFICATIONS DUE TO AN INADEQUATE CLEARANCE REVIEW.

INSPECTION JULY 10-14 (89-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, LICENSEE IDENTIFIED ITEMS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED PERTAINING TO FAILURE OF THE LICENSEE TO CONDUCT AN ADEQUATE REVIEW OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM SUPPORTS. AN UNRESOLVED ITEM WAS ALSO IDENTIFIED REGARDING POSSIBLE DEFICIENCIES IN THE DESIGN OF SUPPLEMENTAL STRUCTURAL STEEL SUPPORTING SAFTY-RELATED EQUIPMENT. THE VIOLATION AND UNRESOLVED ITEM INDICATE WEAKNESSES IN THE LICENSEE'S CORRECTIVE ACTION AND DESIGN CONTROL PROGRAMS.

INSPECTION JULY 20-22 (89-21): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF PHYSICAL PROTECTION OF SHIPMENTS OF IRRADIATED FUEL. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

Report Period AUG 1989

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

* BRUNSWICK 2 *

INSPECTION SUMMARY

INSPECTION AUGUST 3-4 (89-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF PHYSICAL PROTECTION OF SHIPMENTS OF IRRADIATED FUEL. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENT OF CRITERION III AND V, 10 CFR 50, APPENDIX B, THE LICENSEE FAILED TO REPAIR A PIPE SUPPORT WITHIN THE TIME PRESCRIBED ON EER 85-0364, AND THE DESIGN VERIFICATION FOR EER 85-0364 WAS INADEQUATE AND INCORRECT.
BRUNSWICK 2 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

(SEE UNIT 1).

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL POWER OPERATIONS. REFUELING OUTAGE SCHEDULED TO BEGIN SEPTEMBER 7, 1989.

LAST IE SITE INSPECTION DATE: SEPTEMBER 15, 1989 +

INSPECTION REPORT NO: 50-324/89-33 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-454 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
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): 1105
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>34,704.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,813.7</u>	<u>27,611.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>37.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,808.6</u>	<u>27,165.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,395,156</u>	<u>18,301,282</u>	<u>81,828,596</u>
18. Gross Elec Ener (MWH)	<u>812,578</u>	<u>6,229,110</u>	<u>27,541,991</u>
19. Net Elec Ener (MWH)	<u>770,447</u>	<u>5,903,844</u>	<u>25,936,352</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.6</u>	<u>78.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.6</u>	<u>78.3</u>
22. Unit Cap Factor (MDC Net)	<u>93.7</u>	<u>91.6</u>	<u>67.6</u>
23. Unit Cap Factor (DER Net)	<u>92.5</u>	<u>90.4</u>	<u>66.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.4</u>	<u>3.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>22.4</u>	<u>1,057.0</u>

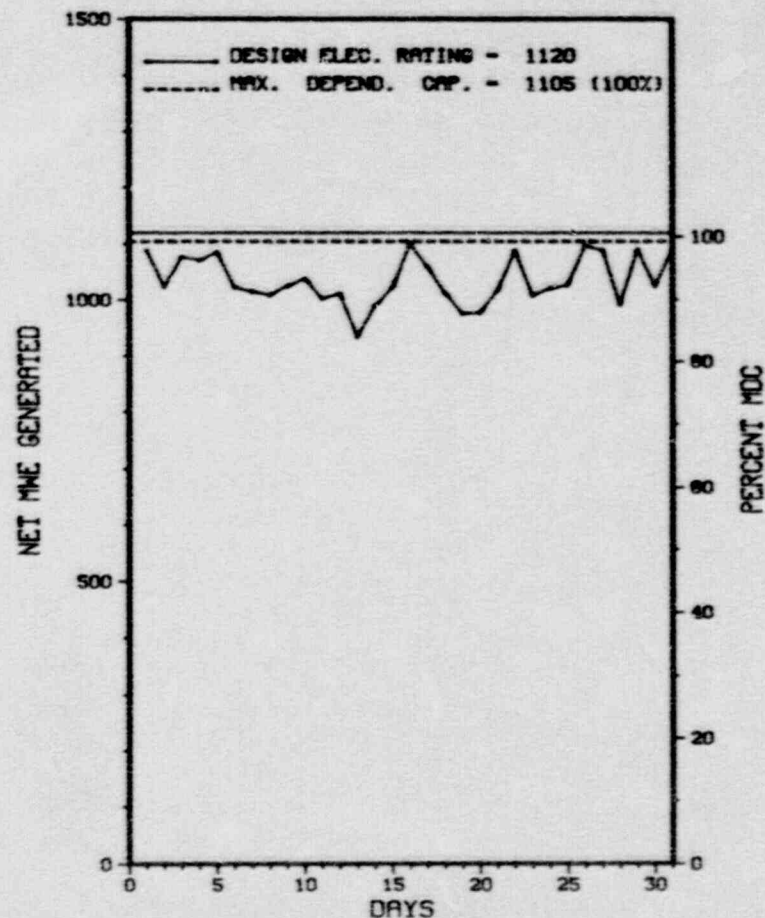
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * B Y R O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 B Y R O N 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 1 *

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

NONE

* SUMMARY *

BYRON 1 OPERATED ROUTINELY DURING AUGUST 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)

* BYRON 1 *

FACILITY DATA

Report Period AUG 1989

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.....P. BROCHMAN
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 AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017):
SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL OF OVERTIME IN
ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS
WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period AUG 1989

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

* BYRON 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BYRON UNIT 1 OPERATING AT POWER LEVELS UP TO 100%

LAST IE SITE INSPECTION DATE: 06/20/89

INSPECTION REPORT NO: 89015

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
-----
89-07      080389      082889      CONTROL ROOM VENTILATION ACTUATION DUE TO VOLTAGE TRANSIENT CAUSED BY LIGHTNING.
=====

```

1. Docket: 50-455 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 1105

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>17,808.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,315.4</u>	<u>15,318.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,238.5</u>	<u>14,939.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,929,930</u>	<u>10,202,102</u>	<u>37,027,518</u>
18. Gross Elec Ener (MWH)	<u>666,337</u>	<u>3,496,987</u>	<u>12,394,904</u>
19. Net Elec Ener (MWH)	<u>627,108</u>	<u>3,260,777</u>	<u>11,589,603</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.7</u>	<u>83.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.7</u>	<u>83.9</u>
22. Unit Cap Factor (MDC Net)	<u>76.3</u>	<u>50.6</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>75.3</u>	<u>49.9</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>4.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>169.0</u>	<u>632.6</u>

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

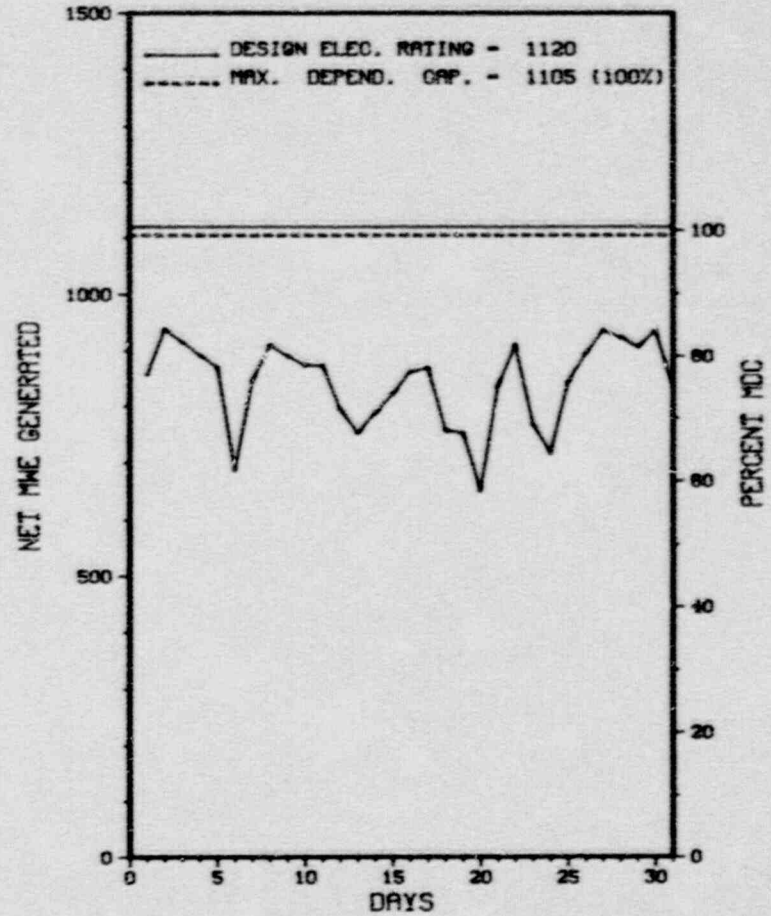
NONE

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

* BYRON 2 *

AVERAGE DAILY POWER LEVEL (MWe) 100T

BYRON 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	08/06/89	S	0.0	F	5				REDUCED LOAD PER SPSO.

* SUMMARY *

BYRON 2 ENTERED AUGUST IN MODE 1 AT APPROXIMATELY 91% POWER. THE UNIT OPERATED AT POWER LEVELS 6% UP TO 91% FOR THE REMAINDER OF THE REPORTING PERIOD. THE UNIT INCURRED ONE SCHEDULED POWER REDUCTION PER SPO DIRECTION.

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

FACILITY DATA

Report Period AUG 1989

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.....P. BROCHMAN
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

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

INSPECTION SUMMARY

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017):
SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL CONTROL OF OVERTIME IN
ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS
WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* BYRON 2 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BYRON UNIT 2 OPERATING AT POWER LEVELS UP TO 100%

LAST IE SITE INSPECTION DATE: 06/20/89

INSPECTION REPORT NO: 89017

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-01	021189	082289	INADVERTENT SAFETY INJECTION DURING DIESEL GENERATOR OPERABILITY SURVEILLANCE DUE TO PROCEDURAL INADEQUACY.

1. Docket: 50-483 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 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): 1118

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

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

11. Reasons for Restrictions, If Any:
NONE

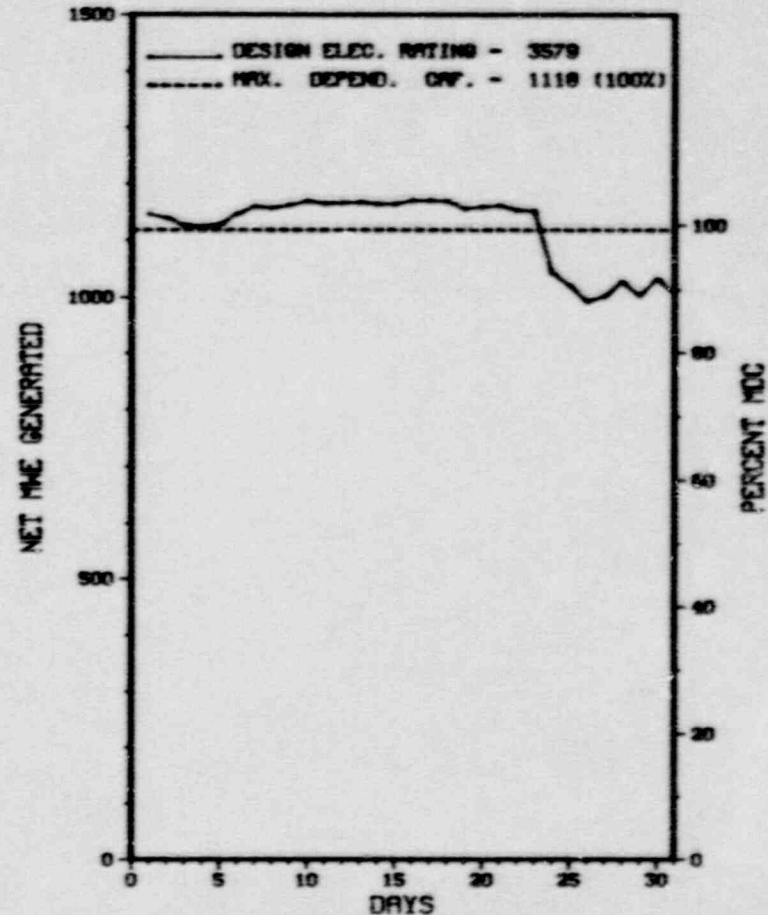
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>41,197.5</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,552.6</u>	<u>34,752.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,487.9</u>	<u>34,073.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>8,567,249</u>	<u>21,419,029</u>	<u>117,287,640</u>
18. Gross Elec Ener (MWH)	<u>872,435</u>	<u>5,251,118</u>	<u>37,684,668</u>
19. Net Elec Ener (MWH)	<u>832,822</u>	<u>4,996,614</u>	<u>35,823,768</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.0</u>	<u>82.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.0</u>	<u>82.7</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>76.6</u>	<u>77.8</u>
23. Unit Cap Factor (DER Net)	<u>35.6</u>	<u>73.2</u>	<u>74.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>3.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>30.5</u>	<u>1,199.6</u>

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

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

* CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALLAWAY 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
10	08/24/89	F	0.0	B	5			REDUCED POWER TO APPROXIMATELY 90% IN ORDER TO OVERHAUL CIRCULATING WATER PUMP A. FULL POWER OPERATION RESUMED ON SEPTEMBER 2, 1989.

* SUMMARY *

CALLAWAY 1 INCURRED ONE FORCED POWER REDUCTION DURING AUGUST IN ORDER TO OVERHAUL WATER PUMP "A".

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

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 FROM JUNE 1 THROUGH JULY 15 (89011): A ROUTINE UNANNOUNCED SAFETY INSPECTION OF NON-ROUTINE EVENTS, PLANT OPERATIONS, AND MAINTENANCE/SURVEILLANCE WAS PERFORMED. NO VIOLATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS ARE IDENTIFIED, ONE RELATES TO AN ENVIRONMENTAL QUALIFICATION DEFICIENCY ASSOCIATED WITH TARGET ROCK VALVES, THE OTHER INVOLVES THE CLASSIFICATION AND REPORTABILITY OF EMERGENCY DIESEL GENERATOR FAILURES. OTHER RESULTS INCLUDED: ADMINISTRATIVE CLOSE OUT OF A GENERIC LETTER, AN LER AND AN UNRESOLVED ITEM; AND OBSERVATIONS OF GOOD MANAGEMENT AND ENGINEERING/TECHNICAL SUPPORT INVOLVEMENT IN OPERATIONAL EVENTS. OPERATING CREWS DEMONSTRATED EFFECTIVE CONTROL DURING EVENTS. EFFECTIVE RADIOLOGICAL CONTROLS AND PRACTICES WERE BEING MAINTAINED. OBSERVATIONS BY NRC REGION III MANAGEMENT WERE FAVORABLE.

INSPECTION ON JUNE 26 THROUGH JULY 7 (89012): INCLUDED MANAGEMENT SUPPORT; PROTECTED AREA ASSESSMENT AIDS; POWER SUPPLY; TRAINING AND QUALIFICATION; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. THREE OF FOUR PREVIOUS INSPECTION FINDINGS WERE CLOSED. THE LICENSEE'S PROGRESS WAS ADEQUATE FOR THE REMAINING PREVIOUS INSPECTION FINDING PERTAINING TO RECONFIGURATION OF A PORTION OF THE PROTECTED AREA FENCE. MORE DRILLS INVOLVING THE RESPONSE TEAM WERE REQUIRED AND HOUSEKEEPING WITHIN THE CENTRAL ALARM STATION COMPLEX REQUIRED SECURITY MANAGEMENT ATTENTION. SECURITY FORCE REQUALIFICATION TRAINING WAS CONDUCTED IN AN EFFECTIVE MANNER AND WAS WELL DOCUMENTED. THE QUALITY ASSURANCE DEPARTMENT CONTINUED TO PROVIDE AGGRESSIVE OVERSIGHT OF THE SECURITY PROGRAM AND SECURITY OPERATIONS INSPECTED WERE GENERALLY WELL MANAGED. SAFE OPERATIONS WERE OBSERVED DURING WEAPON QUALIFICATION CONDUCTED AT THE FIRING RANGE.

INSPECTION ON JULY 17 THROUGH AUGUST 3 (89014): ROUTINE, ANNOUNCED INSPECTION OF DESIGN CHANGES AND MODIFICATIONS AND THE

INSPECTION SUMMARY

DEDICATION OF COMMERCIAL GRADE EQUIPMENT FOR SAFETY-RELATED APPLICATIONS. THIS INSPECTION WAS CONDUCTED IN ACCORDANCE WITH INSPECTION MODULES 37700, 38703, AND 37828. NO VIOLATIONS, DEVIATIONS, OR OPEN ITEMS WERE IDENTIFIED DURING THIS INSPECTION. THE LICENSEE HAD A SOLID PROGRAM IN REGARDS TO BOTH ENGINEERING AND COMMERCIAL GRADE PROCUREMENT. THE LICENSEE'S QA ORGANIZATION WAS EFFECTIVE IN MONITORING ENGINEERING AND PROCUREMENT ACTIVITIES AND IN OBTAINING PROMPT RESOLUTION OF ISSUES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 08/25/89

INSPECTION REPORT NO: 89016

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
89-09	051189	080889	A CONTAINMENT ISOLATION VALVE FAILED TO FULLY CLOSE AGAINST THE SYSTEM DIFFERENTIAL PRESSURE WHEN TESTED.

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

1. Docket: 50-317

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 845

7. Maximum Dependable Capacity (Gross MWe): 869

8. Maximum Dependable Capacity (Net MWe): 825

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

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

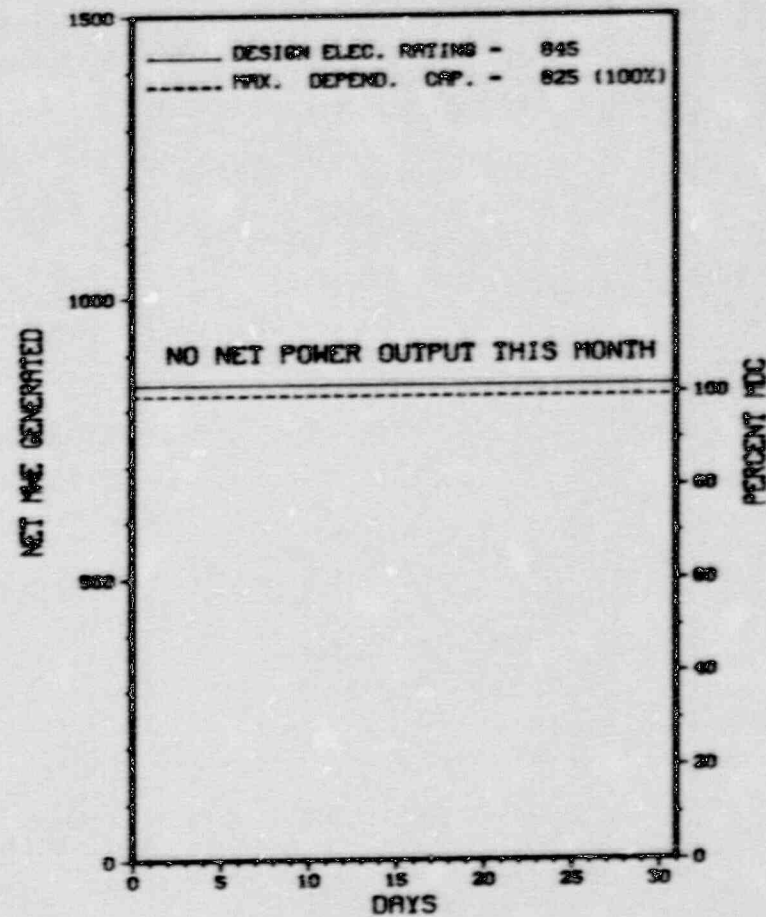
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>125,508.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,806.6</u>	<u>94,592.3</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>1,729.1</u>	<u>92,448.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,227,084</u>	<u>232,485,263</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,410,290</u>	<u>77,019,006</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,345,618</u>	<u>73,525,365</u>
20. Unit Service Factor	<u>.0</u>	<u>29.7</u>	<u>73.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>29.7</u>	<u>73.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>28.0</u>	<u>71.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>27.3</u>	<u>69.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.9</u>	<u>8.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>51.3</u>	<u>8,784.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 11/15/89

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-08	05/05/89	S	744.0	B	4		CA	HEATER	CONTINUED SHUTDOWN WHILE INVESTIGATING UNIT 2 PRESSURIZER HEATER LEAKAGE.

* SUMMARY *

CALVERT CLIFFS 1 ENTERED AUGUST IN A MAINTENANCE SHUTDOWN PENDING OUTCOME OF THE UNIT 2 PRESSURIZER HEATER INVESTIGATION.

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

* CALVERT CLIFFS 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND
COUNTY.....CALVERT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI S OF
AMHAPOLIS, 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...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.....RECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....RECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....D. TRIMBLE
LICENSING PROJ MANAGER.....S. MCNEIL
DUCKET 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

CONTRARY TO 10 CFR 50.59 (A)(1) ON MAY 9, 1989, TESTS TO THE SAFETY RELATED SALT WATER SYSTEM OF UNIT 1 AND 2 WERE MADE WITHOUT THE REQUIRED 10 CFR 50.59 SAFETY EVALUATION AND WITHOUT THE REQUIRED POSRC DETERMINATION THAT AN UNREVIEWED SAFETY QUESTION DID NOT EXIST.
CALVERT CLIFFS 1 (8900 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:
NO INPUT PROVIDED.

Report Period AUG 1989

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

* CALVERT CLIFFS 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGEPIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2700

5. Nameplate Rating (Gross MWe): 918

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONT.	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>108,863.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,766.4</u>	<u>87,436.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,296.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,732.1</u>	<u>86,228.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,530.0</u>	<u>218,595,404</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,512,000</u>	<u>72,284,667</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,448,457</u>	<u>69,040,047</u>
20. Unit Service Factor	<u>.0</u>	<u>29.7</u>	<u>79.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>29.7</u>	<u>79.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>30.1</u>	<u>76.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>29.4</u>	<u>75.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>217.8</u>	<u>4,925.4</u>

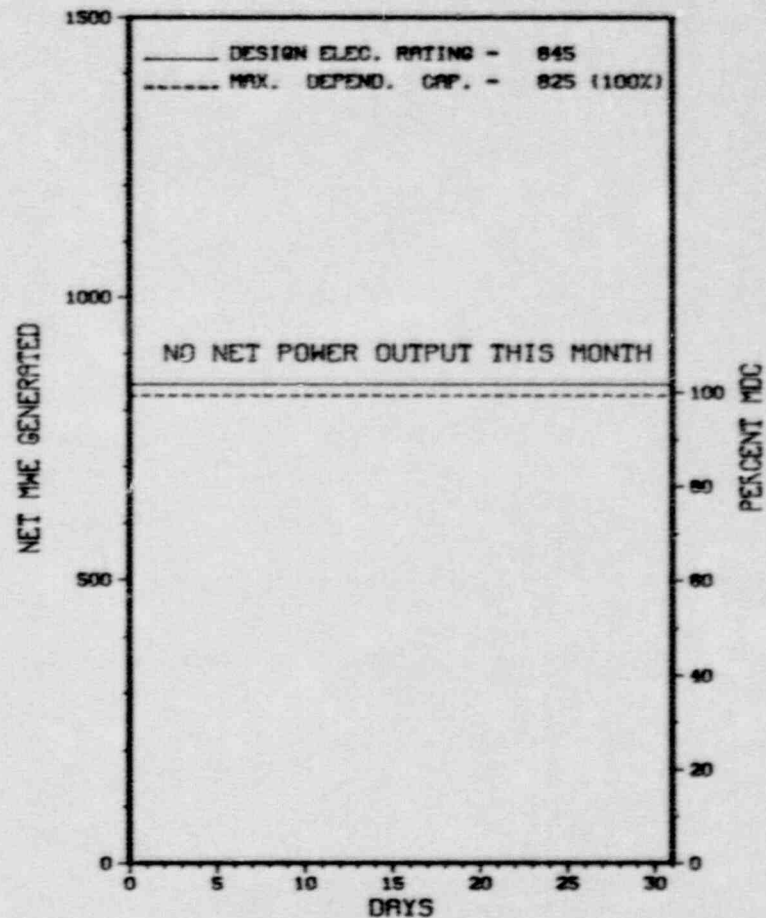
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/90

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-04	03/24/89	S	744.0	C	4	89-007	CA	HEATER	CONTINUED SHUTDOWN IN 8TH SCHEDULED REFUELING OUTAGE. INVESTIGATING POSSIBLE LEAKAGE AT PRESSURIZER HEATERS. 1. DETERMINE CAUSE OF APPARENT LEAKAGE. 2. DETERMINE POSSIBLE GENERIC IMPLICATIONS TO UNIT 1. 3. MAKE REPAIRS AS NEEDED.

***** CALVERT CLIFFS 2 REMAINED SHUTDOWN DURING AUGUST FOR EXTENDED SCHEDULE REFUELING OUTAGE AS
 * SUMMARY * DESCRIBED ABOVE.

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

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period AUG 1989

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

CONTRARY TO 10 CFR 50.59 (A)(1) ON MAY 9, 1989, TESTS TO THE SAFETY RELATED SALT WATER SYSTEM OF UNIT 1 AND 2 WERE MADE WITHOUT THE REQUIRED 10 CFR 50.59 SAFETY EVALUATION AND WITHOUT THE REQUIRED POSRC DETERMINATION WHT AN UNREVIEWED SAFETY QUESTION DID NOT EXIST.
CALVERT CLIFFS 2 (8900 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:
NO INPUT PROVIDED.

Report Period AUG 1989

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

* CALVERT CLIFFS 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-413 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R.A. WILLIAMS (704) 373-5987

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1145

7. Maximum Dependable Capacity (Gross MWe): 1192

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>744.0</u>	<u>5,831.0</u>	<u>36,600.0</u>
13. Hours Reactor Critical	<u>733.1</u>	<u>4,786.1</u>	<u>26,970.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>729.7</u>	<u>4,608.0</u>	<u>26,212.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,371,111</u>	<u>14,942,629</u>	<u>83,881,015</u>
18. Gross Elec Ener (MWH)	<u>848,578</u>	<u>5,265,931</u>	<u>29,460,582</u>
19. Net Elec Ener (MWH)	<u>802,421</u>	<u>4,943,238</u>	<u>27,578,760</u>
20. Unit Service Factor	<u>98.1</u>	<u>79.0</u>	<u>71.6</u>
21. Unit Avail Factor	<u>98.1</u>	<u>79.0</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.5</u>	<u>75.1</u>	<u>66.7</u>
23. Unit Cap Factor (DER Net)	<u>94.2</u>	<u>74.0</u>	<u>65.8</u>
24. Unit Forced Outage Rate	<u>1.9</u>	<u>5.2</u>	<u>13.7</u>
25. Forced Outage Hours	<u>14.3</u>	<u>250.5</u>	<u>4,145.7</u>

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

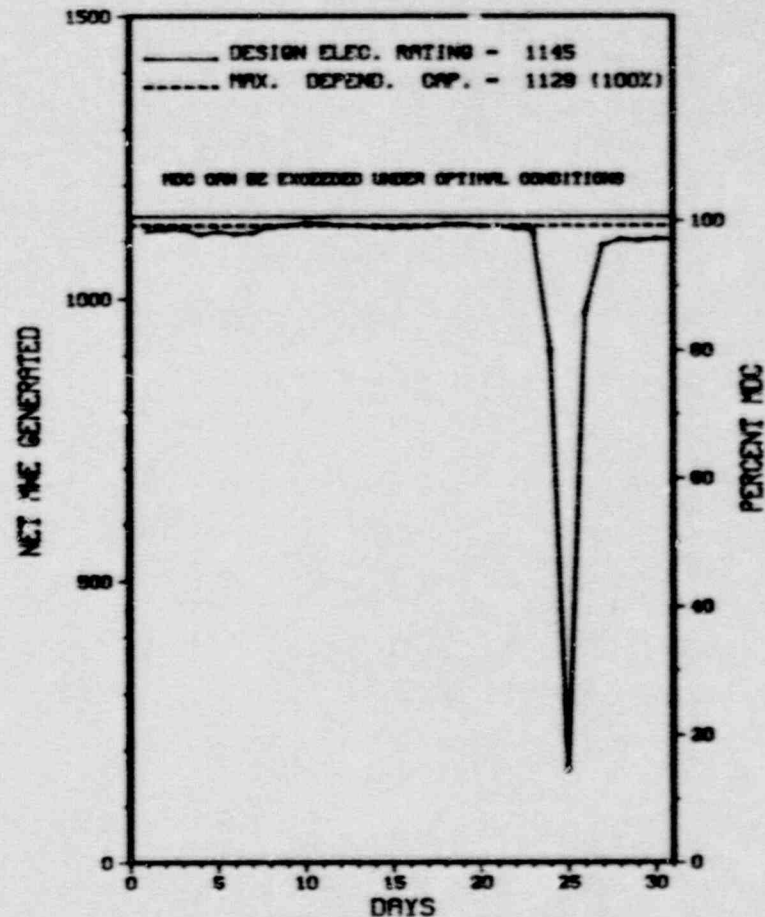
REFUELING - JANUARY 26, 1990 - 6 WEEK DURATION.

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

 * CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* CATAWBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	08/24/89	F	14.3	A	2		HH	VALVEX	MANUAL REACTOR TRIP DUE TO S/G FEEDWATER '1A' CONTROL VALVE DIAPHRAGM RUPTURE.

* SUMMARY *

CATAWBA 1 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* CATAWBA 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 17-21 (89-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT CHEMISTRY, LIQUID WASTE CONTROLS, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. THE LICENSEE HAD EFFECTIVELY MAINTAINED PRIMARY CHEMISTRY WELL WITHIN TECHNICAL SPECIFICATION REQUIREMENTS AND SECONDARY CHEMISTRY WELL WITHIN THE LIMITS RECOMMENDED BY THE STEAM GENERATORS OWNERS GROUP (SGOG). BIOFOULING PROBLEMS IN THE SERVICE WATER SYSTEMS HAD RECEIVED INCREASED ATTENTION. THE LICENSEE HAD INCREASED MAINTENANCE INSPECTIONS AND CLEANING OF THE SYSTEMS SUSCEPTIBLE TO THIS TYPE OF CORROSION. ONE NONCITED VIOLATION WAS IDENTIFIED FOR FAILURE TO CONDUCT ANALYSES OF TURBINE BUILDING SUMP (TBS) LIQUID ON A 24 HOUR BASIS WHEN THE TBS MONITOR WAS INOPERABLE.

INSPECTION JULY 17-21 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW, WHAT ACTIONS, IF ANY, THE LICENSEE HAD TAKEN IN RESPONSE TO PREVIOUS INSPECTION FINDINGS. THE ITEMS INSPECTED INVOLVED ENVIRONMENTAL QUALIFICATION (EQ) OF ELECTRICAL EQUIPMENT, GENERIC LETTER 83-28, AND NRC BULLETINS 88-01 AND 88-03. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE ACTIONS TAKEN BY THE LICENSEE IN RESPONSE TO PREVIOUS INSPECTION FINDINGS WERE IN MOST CASES TIMELY AND COMPLETE. TWO EXCEPTIONS TO THE ABOVE WERE A NOTED DEFICIENCY IN THE EQ FILE FOR THE HYDROGEN RECOMBINER TAPE SPLICE ANALYSIS AND FAILURE TO INSTALL BREATHER DRAINS ON THE HYDROGEN SKIMMER FAN MOTORS IN A TIMELY FASHION TO MEET AN NRC COMMITMENT. THE LATTER PROBLEM HIGHLIGHTS A POSSIBLE WEAKNESS IN THE LICENSEE'S HANDLING AND CLOSEOUT OF NRC COMMITMENTS. A CHRONOLOGY OF THE EVENT CLEARLY INDICATES THAT THE HYDROGEN SKIMMER FAN MOTORS BREATHER DRAINS COULD HAVE BEEN INSTALLED MUCH EARLIER HAD THE LICENSEE DONE A BETTER JOB TRACKING THE STATUS OF THE ITEM. EXTENUATING CIRCUMSTANCES DID EXIST WHICH CAUSED A DELAY IN INSTALLATION WHILE A DESIGN FIX WAS INVESTIGATED WITH THE VENDOR. THE FIX WAS APPROVED BY THE VENDOR IN NOVEMBER 1988. YET, NO FURTHER ACTION WAS TAKEN UNTIL THE LICENSEE WAS INFORMED OF THE IMPENDING NRC FOLLOWUP INSPECTION. PRIOR TO THE INSPECTION, VARIATION NOTICES WERE

Report Period AUG 1989

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

* CATAWBA 1 *

INSPECTION SUMMARY

ISSUED FOR UNITS 1 AND 2 AUTHORIZING THE DESIGN CHANGE TO ALLOW STAINLESS STEEL THREADED PIPE EXTENSIONS TO BE USED TO INSTALL THE BREATHER DRAINS. THE PIPE EXTENSIONS WERE ORDERED ON JULY 11, 1989 AND THE BREATHER DRAINS WERE FINALLY INSTALLED ON JULY 23, 1989. ANOTHER AREA THAT APPEARED TO BE WEAK, ALTHOUGH IT WAS NOT PREVIOUSLY IDENTIFIED AS AN OPEN ITEM, WAS THE LACK OF EQ TRAINING PROVIDED TO CERTAIN CONSTRUCTION MAINTENANCE DEPARTMENT STAFF. THIS APPEARS TO BE THE RESULT OF A FAILURE BY THE LICENSEE TO CLEARLY IDENTIFY WHICH PERSONNEL MUST BE COGNIZANT OF EQ ISSUES AND SPECIAL CONSIDERATIONS.

INSPECTION JULY 24-28 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF FIRE PROTECTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. DURING THIS INSPECTION, THE LICENSEE WAS VERY COOPERATIVE IN PROVIDING THE INSPECTOR WITH APPLICABLE PROCEDURES, AND RECORDS. NO WEAKNESS WAS IDENTIFIED DURING THIS INSPECTION.

INSPECTION JULY 28 (89-23): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW THE SECURITY EVENT LOGS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROLS, COMPENSATORY MEASURES, AND CONTROL OF SAFEGUARDS INFORMATION.

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: SEPTEMBER 15, 1989 +

INSPECTION REPORT NO: 50-413/89-28 +

Report Period AUG 1989

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

* CATAMBA 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE.			
=====			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-414 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R.A. WILLIAMS (704)373-5987

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1145

7. Maximum Dependable Capacity (Gross MWe): 1192

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>744.0</u>	<u>5,831.0</u>	<u>26,616.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,519.2</u>	<u>18,621.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.9</u>	<u>3,375.2</u>	<u>18,026.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,322,549</u>	<u>10,559,940</u>	<u>55,124,165</u>
18. Gross Elec Ener (MWH)	<u>817,554</u>	<u>3,735,167</u>	<u>19,423,288</u>
19. Net Elec Ener (MWH)	<u>772,622</u>	<u>3,489,197</u>	<u>18,126,029</u>
20. Unit Service Factor	<u>96.9</u>	<u>57.9</u>	<u>67.7</u>
21. Unit Avail Factor	<u>96.9</u>	<u>57.9</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>92.0</u>	<u>53.0</u>	<u>60.3</u>
23. Unit Cap Factor (DER Net)	<u>90.7</u>	<u>52.3</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>7.2</u>	<u>20.0</u>
25. Forced Outage Hours	<u>23.1</u>	<u>263.2</u>	<u>4,502.4</u>

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

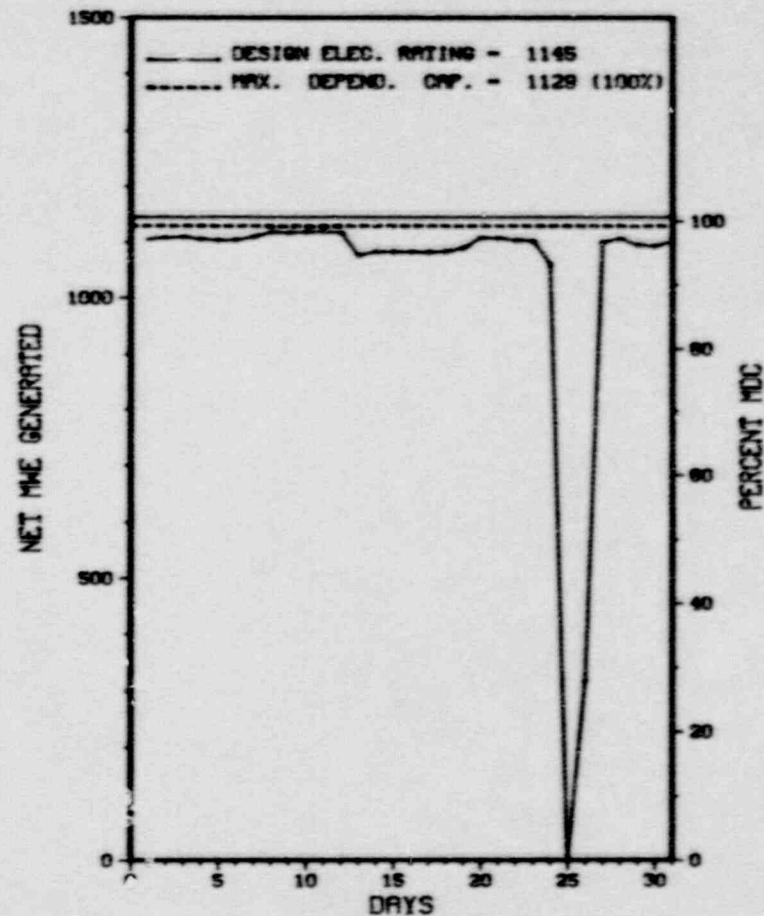
NONE

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

 * CATAWBA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * CATAWBA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20-P	08/24/89	F	0.0	A	5		SE	BLOWER	REDUCTION DUE TO HYDROGEN SKIMMER FAN '2A' INOPERABLE.
21-P	08/25/89	F	0.0	B	5		SE	BLOWER	HOLDING POWER FOR TESTING RESULTS OF HYDROGEN SKIMMER FAN '2A' INOPERABLE.
22-P	08/25/89	F	0.0	A	5		SE	BLOWER	REDUCTION DUE TO HYDROGEN SKIMMER FAN '2A' INOPERABLE.
11	08/25/89	F	23.1	A	1		SE	BLOWER	GENERATOR OFF-LINE DUE TO HYDROGEN SKIMMER FAN '2A' INOPERABLE (REACTOR CRITICAL).
23-P	08/26/89	F	0.0	A	5		SE	BLOWER	HOLDING POWER FOR COMPLETION OF HYDROGEN SKIMMER FAN '2A' PAPERWORK.

 * SUMMARY *

 CATAWBA 2 INCURRED ONE FORCED OUTAGE AND FOUR FORCED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* CATAWBA 2 *

FACILITY DATA

Report Period AUG 1989

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
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....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 JULY 17-21 (89-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT CHEMISTRY, LIQUID WASTE CONTROLS, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. THE LICENSEE HAD EFFECTIVELY MAINTAINED PRIMARY CHEMISTRY WELL WITHIN TECHNICAL SPECIFICATION REQUIREMENTS AND SECONDARY CHEMISTRY WELL WITHIN THE LIMITS RECOMMENDED BY THE STEAM GENERATORS OWNERS GROUP (SGOG). BIOFOULING PROBLEMS IN THE SERVICE WATER SYSTEMS HAD RECEIVED INCREASED ATTENTION. THE LICENSEE HAD INCREASED MAINTENANCE INSPECTIONS AND CLEANING OF THE SYSTEMS SUSCEPTIBLE TO THIS TYPE OF CORROSION. ONE NONCITED VIOLATION WAS IDENTIFIED FOR FAILURE TO CONDUCT ANALYSES OF TURBINE BUILDING SUMP (TBS) LIQUID ON A 24 HOUR BASIS WHEN THE TBS MONITOR WAS INOPERABLE.

INSPECTION JULY 17-21 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW, WHAT ACTIONS, IF ANY, THE LICENSEE HAD TAKEN IN RESPONSE TO PREVIOUS INSPECTION FINDINGS. THE ITEMS INSPECTED INVOLVED ENVIRONMENTAL QUALIFICATION (EQ) OF ELECTRICAL EQUIPMENT, GENERIC LETTER 83-28, AND NRC BULLETINS 88-01 AND 88-03. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE ACTIONS TAKEN BY THE LICENSEE IN RESPONSE TO PREVIOUS INSPECTION FINDINGS WERE IN MOST CASES TIMELY AND COMPLETE. TWO EXCEPTIONS TO THE ABOVE WERE A NOTED DEFICIENCY IN THE EQ FILE FOR THE HYDROGEN RECOMBINER TAPE SPLICE ANALYSIS AND FAILURE TO INSTALL BREATHER DRAINS ON THE HYDROGEN SKIMMER FAN MOTORS IN A TIMELY FASHION TO MEET AN NRC COMMITMENT. THE LATTER PROBLEM HIGHLIGHTS A POSSIBLE WEAKNESS IN THE LICENSEE'S HANDLING AND CLOSEOUT OF NRC COMMITMENTS. A CHRONOLOGY OF THE EVENT CLEARLY INDICATES THAT THE HYDROGEN SKIMMER FAN MOTORS BREATHER DRAINS COULD HAVE BEEN INSTALLED MUCH EARLIER HAD THE LICENSEE DONE A BETTER JOB TRACKING THE STATUS OF THE ITEM. EXTENUATING CIRCUMSTANCES DID EXIST WHICH CAUSED A DELAY IN INSTALLATION WHILE A DESIGN FIX WAS INVESTIGATED WITH THE VENDOR. THE FIX WAS APPROVED BY THE VENDOR IN NOVEMBER 1988. YET, NO FURTHER ACTION WAS TAKEN UNTIL THE LICENSEE WAS INFORMED OF THE IMPENDING NRC FOLLOWUP INSPECTION. PRIOR TO THE INSPECTION, VARIATION NOTICES WERE

INSPECTION SUMMARY

ISSUED FOR UNITS 1 AND 2 AUTHORIZING THE DESIGN CHANGE TO ALLOW STAINLESS STEEL THREADED PIPE EXTENSIONS TO BE USED TO INSTALL THE BREATHER DRAINS. THE PIPE EXTENSIONS WERE ORDERED ON JULY 11, 1989 AND THE BREATHER DRAINS WERE FINALLY INSTALLED ON JULY 23, 1989. ANOTHER AREA THAT APPEARED TO BE WEAK, ALTHOUGH IT WAS NOT PREVIOUSLY IDENTIFIED AS AN OPEN ITEM, WAS THE LACK OF EQ TRAINING PROVIDED TO CERTAIN CONSTRUCTION MAINTENANCE DEPARTMENT STAFF. THIS APPEARS TO BE THE RESULT OF A FAILURE BY THE LICENSEE TO CLEARLY IDENTIFY WHICH PERSONNEL MUST BE COGNIZANT OF EQ ISSUES AND SPECIAL CONSIDERATIONS.

INSPECTION JULY 24-28 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF FIRE PROTECTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. DURING THIS INSPECTION, THE LICENSEE WAS VERY COOPERATIVE IN PROVIDING THE INSPECTOR WITH APPLICABLE PROCEDURES, AND RECORDS. NO WEAKNESS WAS IDENTIFIED DURING THIS INSPECTION.

INSPECTION JULY 28 (89-23): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW THE SECURITY EVENT LOGS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROLS, COMPENSATORY MEASURES, AND CONTROL OF SAFEGUARDS INFORMATION.

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: SEPTEMBER 15, 1989 +

INSPECTION REPORT NO: 50-414/89-28 +

Report Period AUG 1989

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

* CATAWBA 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-461 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. L. HOLTZSCHER (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: _____

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>15,513.3</u>
13. Hours Reactor Critical	<u>600.4</u>	<u>1,574.3</u>	<u>9,872.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>575.5</u>	<u>1,314.3</u>	<u>9,458.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,451,729</u>	<u>2,950,328</u>	<u>23,744,411</u>
18. Gross Elec Ener (MWH)	<u>478,786</u>	<u>954,766</u>	<u>7,831,825</u>
19. Net Elec Ener (MWH)	<u>452,476</u>	<u>868,667</u>	<u>7,413,512</u>
20. Unit Service Factor	<u>77.4</u>	<u>22.5</u>	<u>61.0</u>
21. Unit Avail Factor	<u>77.4</u>	<u>22.5</u>	<u>61.0</u>
22. Unit Cap Factor (MDC Net)	<u>65.4</u>	<u>16.0</u>	<u>51.4</u>
23. Unit Cap Factor (DER Net)	<u>65.2</u>	<u>16.0</u>	<u>51.2</u>
24. Unit Forced Outage Rate	<u>22.6</u>	<u>58.2</u>	<u>19.8</u>
25. Forced Outage Hours	<u>168.5</u>	<u>1,828.1</u>	<u>2,333.4</u>

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

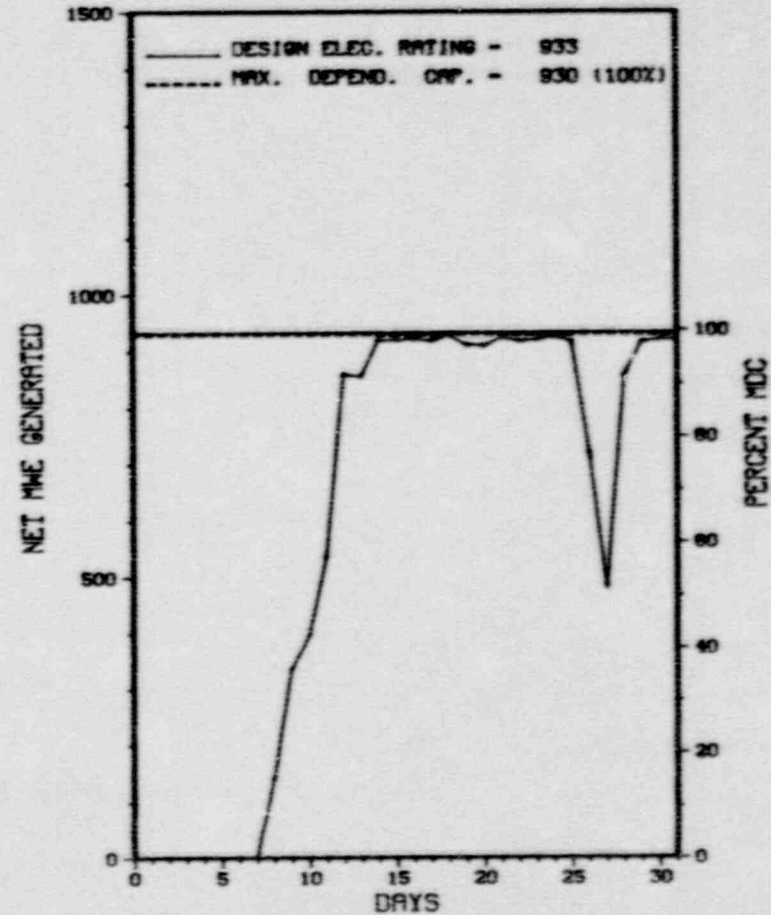
NONE

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

 * CLINTON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CLINTON 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* CLINTON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	07/31/89	F	168.5	A	4				FAILURE OF THE BELLOWS ON THE RELIEF VALVES FOR A FEEDWATER HEATER.

* SUMMARY *

CLINTON 1 ENTERED AUGUST SHUTDOWN. THE UNIT RETURNED TO POWER PRODUCTION ON AUGUST 8 AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

* CLINTON 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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 OPERATE...NOVEMBER 24, 1987
CONDENSER COOLING METHGD...ONCE THRU
CONDENSER COOLING WATER...SALT CREEK
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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. HICKMAN
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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 12 THROUGH JULY 7 (89018): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ONSITE FOLLOWUP OF WRITTEN REPORTS; ALLEGATION FOLLOWUP; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; ENGINEERED SAFETY SYSTEM WALKDOWN; ENFORCEMENT CONFERENCE; AND MANAGEMENT MEETING. OF THE SEVEN AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED. ONE WAS IN THE AREA OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS CONCERNING UNSEALED ELECTRICAL CONDUIT PENETRATIONS IN THE SECONDARY CONTAINMENT. THE OTHER WAS IN THE AREA OF OPERATIONAL SAFETY VERIFICATION AND INCLUDED THREE EXAMPLES OF INADEQUATE CONTROL OF TECHNICAL SPECIFICATION REQUIREMENTS DURING CHANGES IN OPERATIONAL CONDITIONS WHICH RESULTED IN MISSED SURVEILLANCES. IN ADDITION, TWO "LICENSEE-IDENTIFIED" VIOLATIONS WERE DISCUSSED IN THE AREA OF OPERATIONAL SAFETY VERIFICATION CONCERNING TWO LEAK DETECTION SYSTEM INSTRUMENTS THAT WERE IMPROPERLY CALIBRATED AND ONE TRAIN OF MAIN CONTROL ROOM VENTILATION BEING INOPERABLE DUE TO MISSING HARDWARE REQUIRED FOR SEISMIC QUALIFICATION. NONE OF THE FINDINGS WERE CONSIDERED TO HAVE A MAJOR SAFETY SIGNIFICANCE. ALL WERE RECEIVING MANAGEMENT ATTENTION ALTHOUGH THE INSPECTORS DETERMINED THAT THE FINDING OF UNSEALED SECONDARY CONTAINMENT PENETRATIONS DID NOT RECEIVE MANAGEMENT ATTENTION IN A TIMELY MANNER.

INSPECTION ON JUNE 1 THROUGH JUNE 23 (89021): SPECIAL SAFETY INSPECTION IN RESPONSE TO A FAILURE OF THE "B" REACTOR RECIRCULATION PUMP SEALS AND SUBSEQUENT EQUIPMENT PROBLEMS WHICH OCCURRED ON JUNE 1, 1989. OF THE SIX AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED CONCERNING A PROCEDURAL VIOLATION WHICH RESULTED IN A RECIRCULATION PUMP SEAL PRESSURE INSTRUMENT BEING ISOLATED DURING PLANT STARTUP AND SYSTEM PRESSURIZATION. IN ADDITION, SEVERAL WEAKNESSES WERE IDENTIFIED IN THE AREA OF EMERGENCY RESPONSE ORGANIZATION PERFORMANCE.

INSPECTION SUMMARY

MEETING ON JUNE 14 (89023): APPARENT VIOLATION OF 10 CFR 50.49, PARAGRAPHS (F) AND (G) IN REGARD TO HYDROGEN IGNITER FIELD CONNECTIONS, INSTRUMENT CIRCUITS LANDED ON TERMINAL BLOCKS IN GE INSTRUMENT RACKS, SRV SOLENOID VALVE LEAKS, LIMIT SWITCHES ON A DAMPER ASSEMBLY, AND ELECTRICAL PENETRATIONS ENCLOSURES. THE ANALYSIS AND DISPOSITION OF THE APPARENT VIOLATION WILL BE PRESENTED IN SUBSEQUENT COMMUNICATIONS.

INSPECTION ON JUNE 19 THROUGH JULY 21 (89022): ROUTINE, UNANNOUNCED, SAFETY INSPECTION OF STARTUP TESTING ACTIVITIES SUBSEQUENT TO THE INITIAL REFUEL OUTAGE, SPECIFICALLY IN THE AREAS OF CORE PERFORMANCE AND NUCLEAR ENGINEERING (IP 61702, 61705, 61706, 61707, 72700). ALSO INCLUDED IN THIS INSPECTION WAS THE REVIEW OF PREVIOUS INSPECTION ITEMS (IP 92702). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION. IN GENERAL, THE QUALITY OF THE WRITTEN PROCEDURES AND THEIR IMPLEMENTATION WAS CONSIDERED GOOD. THE FOLLOWING ITEMS WERE CLOSED: FIVE (5) VIOLATIONS AND TWO (2) LERS FROM INSPECTION REPORT NO. 89002 (REFUELING), AND AN UNRESOLVED ITEM NO. 89017-01 (MODIFICATIONS).

INSPECTION BETWEEN JULY 17 AND AUGUST 2 (89025): INCLUDED SECURITY PROGRAM MANAGEMENT EFFECTIVENESS; GENERAL REQUIREMENTS OF THE SECURITY FORCE TRAINING AND QUALIFICATION PROGRAM; AND REVIEW OF ALLEGATIONS. THE LICENSEE WAS IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED, EXCEPT AS NOTED BELOW: COMPENSATORY MEASURES: COMPENSATORY MEASURES FOR A VITAL AREA BARRIER WERE INEFFECTIVE BECAUSE THE SECURITY OFFICER AT THE BARRIER WAS FOUND TO BE INATTENTIVE WHEN CHECKED BY A SUPERVISOR. THE SECURITY FORCE TRAINING AND QUALIFICATION PROGRAM WAS ADEQUATE. HOWEVER, SOME LESSON PLANS AND JOB ANALYSIS WORKSHEETS REQUIRED REVISION TO MEET CRITERIA CONTAINED WITHIN THE SECURITY FORCE TRAINING AND QUALIFICATION PLAN (SFT AND QP). THE SECURITY FORCE PERSONNEL SCREENING PROGRAM WAS BEING ADEQUATELY ADMINISTERED, BUT SCREENING CASE FILES REQUIRED MORE ATTENTION TO DETAIL IN SOME CASES TO ASSURE ALL REQUIRED DOCUMENTATION WAS WITHIN THE CASE FILE AND PROPERLY COMPLETED. MORE FORMAL PLANNING FOR SECURITY FORCE STAFFING WAS CONSIDERED APPROPRIATE AND SECURITY MANAGEMENT PREPARED A DETAILED ACTION PLAN TO ADDRESS SECURITY FORCE STAFFING. FIVE SECURITY-RELATED ALLEGATIONS WERE REVIEWED. AS A RESULT OF THE REVIEW, A VIOLATION WAS CITED FOR INEFFECTIVE COMPENSATORY MEASURES AT A VITAL AREA BARRIER.

INSPECTION ON AUGUST 1-4 (89024): ROUTINE, UNANNOUNCED INSPECTION OF RADIOLOGICAL PROTECTION, RADWASTE AND TRANSPORTATION PROGRAMS INCLUDING: ASPECTS OF THE LICENSEE'S OPERATIONAL RADIATION PROTECTION (IP 87750) AND LIQUID, GASEOUS AND SOLID RADWASTE MANAGEMENT PROGRAMS (IP 84750), INCLUDING CHANGES SINCE THE LAST INSPECTION, AUDITS AND APPRAISALS, EXTERNAL EXPOSURE CONTROL, AREA, IMPLEMENTATION OF SOLID LIQUID AND GASEOUS RADIOACTIVE WASTE PROGRAM AND SHIPPING OF LOW-LEVEL WASTE FOR DISPOSAL. ALSO REVIEWED WERE OPEN ITEMS (IP 92701) AND AN ALLEGATION CONCERNING THE LICENSEE'S DOSIMETRY PROGRAM. THE LICENSEE'S RADIATION PROTECTION AND RADWASTE MANAGEMENT PROGRAMS ARE GOOD AND CONTINUE TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF WORKERS AND THE PUBLIC. 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

OTHER ITEMS

PLANT STATUS-

THE PLANT WAS OPERATING AT 100%

LAST IE SITE INSPECTION DATE: 08/04/89

INSPECTION REPORT NO: 89024

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
89S02	0-1289	080289	ACCESS GRANTED BASED UPON FALSIFIED BACKGROUND INVESTIGATION BY A SECURITY SCREENING CONTRACTOR RESULTS IN UNAUTHORIZED ACCESS.
88-28	072886	083089	LOSS OF FEEDWATER HEATING SYSTEM TRANSIENT OUTSIDE DESIGN BASIS DUE TO INADEQUATE CLARIFICATION BETWEEN THE ARCHITECT ENGINEER AND THE NUCLEAR STEAM SUPPLY SYSTEM SUPPLIER.
89-29	071489	080989	MECHANICAL FAILURE OF RUBBER EXPANSION JOINT BETWEEN THE "A" LOW PRESSURE TURBINE AND THE MAIN CONDENSER RESULTS IN LOSS OF CONDENSER VACUUM AND MANUAL REACTOR SCRAM.
89-30	071589	081489	FAILURE TO PROMPTLY REPAIR FLUSH WATER SUPPLY VALVE CAUSES LOW REACTOR WATER LEVEL AND RESULTS IN A REACTOR PROTECTION SYSTEM ACTUATION WITH THE REACTOR SHUTDOWN.
89-31	072489	082289	LACK OF UNDERSTANDING OF TECHNICAL SPECIFICATIONS AND FAILURE TO ENSURE EQUIPMENT OPERABILITY RESULTS IN ENTRY INTO STARTUP MODE WITHOUT MEETING LIMITING CONDITIONS FOR OPERATION.
89-32	073189	083089	FAILURE TO MATCH MANUAL CONTROL TO AUTOMATIC CONTROL PRIOR TO TRANSFERRING FEEDWATER PUMP TO MANUAL RESULTS IN INCREASE IN REACTOR WATER LEVEL AND MANUAL SCRAM.
89-33	080789	090189	FAILURE TO RECOGNIZE AND ADDRESS PROBLEMS WITH EXTENDED OPERATION IN HOT SHUTDOWN: RESULTS IN CONDENSATION IN MAIN STEAM LINES, HIGH STEAM FLOW SIGNALS AND GROUP 1 ISOLATIONS

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-315 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: H. GILES (616) 465-5901

4. Licensed Thermal Power (MWT): 3250

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

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>128,567.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,241.5</u>	<u>93,512.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,141.1</u>	<u>91,759.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,143,874</u>	<u>7,940,681</u>	<u>265,139,467</u>
18. Gross Elec Ener (MWH)	<u>766,630</u>	<u>2,591,280</u>	<u>86,509,480</u>
19. Net Elec Ener (MWH)	<u>739,105</u>	<u>2,477,603</u>	<u>83,176,392</u>
20. Unit Service Factor	<u>100.0</u>	<u>53.9</u>	<u>72.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>53.9</u>	<u>72.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>41.7</u>	<u>64.4</u>
23. Unit Cap Factor (DER Net)	<u>96.4</u>	<u>41.3</u>	<u>62.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8</u>	<u>7.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>25.6</u>	<u>6,799.8</u>

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

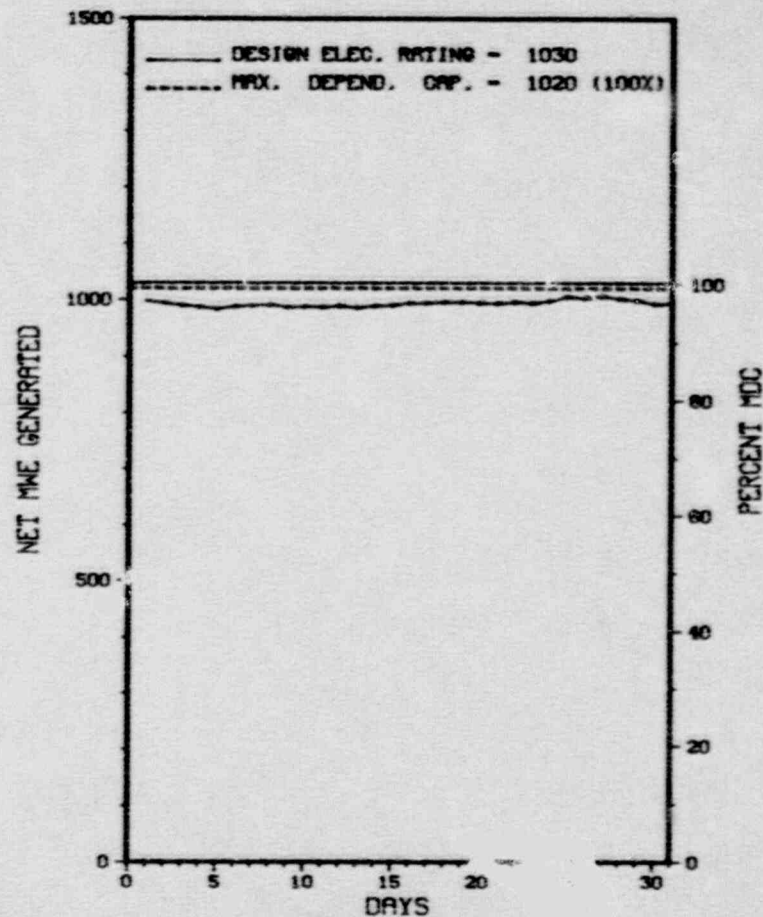
SURVEILLANCE - FEB. 15, 1990 - 1 WEEK DURATION

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* COOK 1 *

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

NONE

* SUMMARY *

COOK 1 OPERATED ROUTINELY DURING AUGUST 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)

* COOK 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA MICHIGAN POWER CO.
CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....AMERICAN ELEC. POWER SERVICE CORP.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 22-25 AND JULY 7 (89020): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE MAINTENANCE TO CORRECT RECENT INCIDENTS OF OVERSPEED ON UNIT 1 EMERGENCY DIESEL GENERATORS. SELECTED PORTIONS OF INSPECTION PROCEDURES 62700 AND 93702 WERE USED. A VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED WITH FAILURE TO FOLLOW PROCEDURES. AN UNRESOLVED ITEM WAS IDENTIFIED IN ACTION TO ASSURE INSPECTION AND TEST REQUIREMENTS WERE MET AND A WEAKNESS WAS IDENTIFIED IN ROOT CAUSE ANALYSIS.

INSPECTION ON JUNE 7 THROUGH JULY 18 (89021): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PLANT OPERATIONS; ESF ACTUATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE SURVEILLANCE; EMERGENCY PREPAREDNESS; REPORTABLE EVENTS; BULLETINS, NOTICES, AND GENERIC LETTERS; AND NRC REGION III REQUESTS. A SPECIAL NRR EVALUATION OF AN EMERGENCY DIESEL OVERSPEED EVENT (A PREVIOUSLY IDENTIFIED ITEM FOLLOWUP), AND A MANAGEMENT MEETING IN NRC REGION III ON JUNE 22, 1989, WERE ALSO CONDUCTED. NO SAFETY ISSUES MANAGEMENT SYSTEM (SIMS) ITEMS WERE REVIEWED. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS. ONE VIOLATION WAS IDENTIFIED (LEVEL IV-OPERATION WITH AN OUT-OF-SPECIFICATION REACTOR T 1 P CHANNEL) IN THE REMAINING AREA. THE INSPECTION DISCLOSED WEAKNESSES IN COMPLETING MAINTENANCE EFFECTIVELY, BOTH FROM THE PERSPECTIVE THAT SOME JOBS REQUIRED HARDWARE REWORK, AND DUE TO EVIDENCES OF INCOMPLETE ANCILLARY PROCESSES (POST-JOB CLEANUP AND TESTING, REVIEWS AND SIGNOFFS) WHICH LEFT MAINTENANCE EFFECTIVENESS IN QUESTION. NO NEW OPEN ITEMS AND/OR UNRESOLVED ITEMS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGEMENT ITEMS:

NONE

PLANT STATUS:

THE UNIT OPERATIONAL SHUTDOWN FOR A SCHEDULED REFUELING OUTAGE.

LAST IE SAFETY INSPECTION DATE: 06/16/89

INSPECTION REPORT NO: 89019

R E P O R T S F R O M L I T T E R A T U R E

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89S04	072989	082589	SECURITY SAFEGUARDS EVENT.
89-09	062089	080489	REQUIRED POST-MAINTENANCE TESTING NOT PERFORMED DUE TO PERSONNEL ERROR PRIOR TO ENTRY INTO A MODE FOR WHICH THE EQUIPMENT WAS REQUIRED TO BE OPERABLE.
89-10	070589	080489	SURVEILLANCE OF SEISMIC/EXPANSION GAP SEALS NOT PERFORMED DUE TO FAILURE TO RECOGNIZE THESE SEALS AS REQUIRING SURVEILLANCE PER TECHNICAL SPECIFICATIONS.

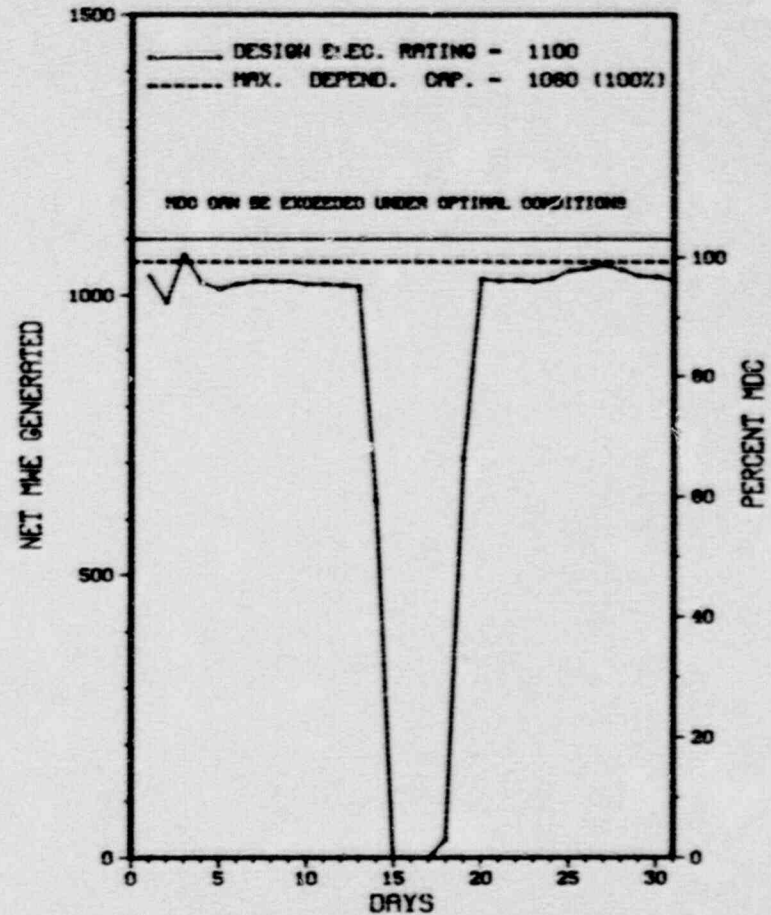
1. Docket: 50-316 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: H. GILES (616) 465-5901
4. Licensed Thermal Power (MWT): 3411
5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1100
8. Maximum Dependable Capacity (Net MWe): 1060
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>102,263.0</u>
13. Hours Reactor Critical	<u>649.6</u>	<u>3,651.9</u>	<u>67,239.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>644.4</u>	<u>3,590.5</u>	<u>65,800.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>2,155,830</u>	<u>11,555,693</u>	<u>203,545,910</u>
18. Gross Elec Ener (MWH)	<u>674,270</u>	<u>3,711,730</u>	<u>65,607,770</u>
19. Net Elec Ener (MWH)	<u>650,297</u>	<u>3,580,542</u>	<u>63,167,288</u>
20. Unit Service Factor	<u>86.6</u>	<u>61.6</u>	<u>65.9</u>
21. Unit Avail Factor	<u>86.6</u>	<u>61.6</u>	<u>65.9</u>
22. Unit Cap Factor (MDC Net)	<u>82.5</u>	<u>57.9</u>	<u>59.6</u>
23. Unit Cap Factor (DER Net)	<u>79.5</u>	<u>55.8</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>13.4</u>	<u>2.7</u>	<u>14.3</u>
25. Forced Outage Hours	<u>99.6</u>	<u>99.6</u>	<u>10,596.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SURVEILLANCE - DEC. 15, 1989 - 1 WEEK DURATION
27. If Currently Shutdown Estimated Startup Date: N/A

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOK 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
196	08/14/89	F	99.6	A	3		IA	INSTRU	A REACTOR TRIP OCCURRED 890814 AT 1501 HOURS BECAUSE OF DEGRADED VOLTAGE FROM CONTROL ROOM INSTRUMENTATION DISTRIBUTION (CRID) 4 INVERTER. THE DEGRADED VOLTAGE CAUSED THE PROTECTIVE INSTRUMENTATION TO ERRONEOUSLY SENSE A LOSS OF REACTOR COOLANT PUMP NO. 4. THIS GENERATED THE REACTOR/TURBINE TRIP SIGNAL. THE UNIT WAS COOLED DOWN TO MODE 5 WHILE REPAIRS WERE ACCOMPLISHED. THE UNIT WAS PARALLELED WITH THE GRID 890818 AT 1934 HOURS, WITH 100% RTP REACHED 890819 AT 2200 HOURS.

 * SUMMARY *

 COOK 2 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* COOK 2 *

FACILITY DATA

Report Period AUG 1989

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.
NJC 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 MAY 22-25 AND JULY 7 (89020): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE MAINTENANCE TO CORRECT RECENT INCIDENTS OF OVERSPEED ON UNIT 1 EMERGENCY DIESEL GENERATORS. SELECTED PORTIONS OF INSPECTION PROCEDURES 62700 AND 93702 WERE USED. A VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED WITH FAILURE TO FOLLOW PROCEDURES. AN UNRESOLVED ITEM WAS IDENTIFIED IN ACTION TO ASSURE INSPECTION AND TEST REQUIREMENTS WERE MET AND A WEAKNESS WAS IDENTIFIED IN ROOT CAUSE ANALYSIS.

INSPECTION ON JUNE 7 THROUGH JULY 18 (89021): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PLANT OPERATIONS-ESF ACTUATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE SURVEILLANCE; EMERGENCY PREPAREDNESS; REPORTABLE EVENTS; BULLETINS, NOTICES, AND GENERIC LETTERS; AND NRC REGION III REQUESTS. A SPECIAL NRR EVALUATION OF AN EMERGENCY DIESEL OVERSPEED EVENT (A PREVIOUSLY IDENTIFIED ITEM FOLLOWUP), AND A MANAGEMENT MEETING IN NRC REGION III ON JUNE 22, 1989, WERE ALSO CONDUCTED. NO SAFETY ISSUES MANAGEMENT SYSTEM (SIMS) ITEMS WERE REVIEWED. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS. ONE VIOLATION WAS IDENTIFIED (LEVEL IV-OPERATION WITH AN OUT-OF-SPECIFICATION REACTOR TRIP CHANNEL) IN THE REMAINING AREA. THE INSPECTION DISCLOSED WEAKNESSES IN COMPLETING MAINTENANCE EFFECTIVELY, BOTH FROM THE PERSPECTIVE THAT SOME JOBS REQUIRED HARDWARE REWORK, AND DUE TO EVIDENCES OF INCOMPLETE ANCILLARY PROCESSES (POST-JOB CLEANUP AND TESTING, REVIEWS AND SIGNOFFS) WHICH LEFT MAINTENANCE EFFECTIVENESS IN QUESTION. NO NEW OPEN ITEMS AND/OR UNRESOLVED ITEMS WERE IDENTIFIED.

Report Period AUG 1989

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

* COOK 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUTDOWN ON JUNE 10, 1989 TO INVESTIGATE THE SOURCE OF UNIDENTIFIED LEAKAGE AND TO PERFORM OTHER REPAIRS. THE UNIT RETURNED TO SERVICE ON JUNE 24, 1989. THE UNIT OPERATED UNEVENTFULLY THE REMAINDER OF THE MONTH.

LAST LE SITE INSPECTION DATE: 06/16/89

INSPECTION REPORT NO: 89019

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
--------	------------------	-------------------	---------

=====

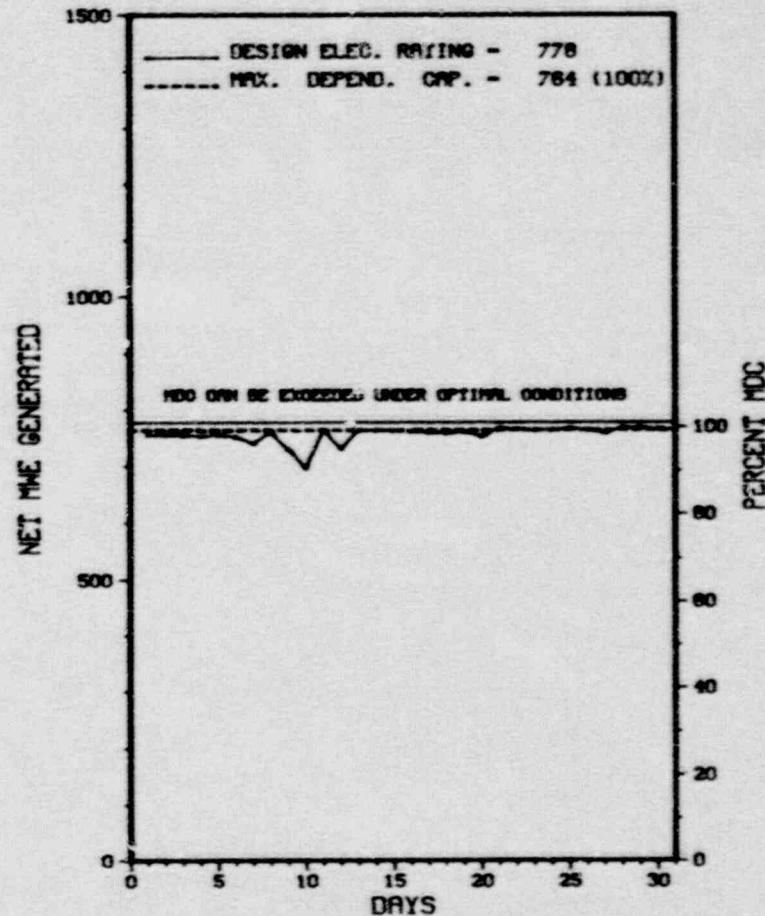
1. Docket: 50-298 O P E R A T I N G S T A T I S
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: J. T. SCHEUERMAN (402) 825-3811
4. Licensed Thermal Power (Mwt): 2381
5. Nameplate Rating (Gross MWe): 983 X 0.85 = 836
6. Design Electrical Rating (Net MWe): 778
7. Maximum Dependable 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>744.0</u>	<u>5,831.0</u>	<u>132,984.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,913.4</u>	<u>99,888.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,862.7</u>	<u>98,297.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,755,600</u>	<u>8,643,336</u>	<u>196,374,060</u>
18. Gross Elec Ener (MWH)	<u>575,814</u>	<u>2,851,206</u>	<u>63,244,027</u>
19. Net Elec Ener (MWH)	<u>558,593</u>	<u>2,765,133</u>	<u>60,994,367</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.2</u>	<u>73.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.2</u>	<u>73.9</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>60.1</u>	<u>60.0</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>61.0</u>	<u>59.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.0</u>	<u>4.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>267.8</u>	<u>4,324.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOPER STATION



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

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

NONE

* SUMMARY *

COOPER STATION OPERATED ROUTINELY DURING AUGUST 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)

* COOPER STATION *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....W. BENNETT
LICENSING PROJ MANAGER.....P. OCONNOR
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE...DPR-66, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....ACBURN PUBLIC LIBRARY
1118 15TH STREET
ACBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 1-31, 1989 (89-25) ROUTINE, UNANNOUNCED INSPECTION OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORT FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, AND MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS. WITHIN THE AREAS INSPECTED, ONE APPARENT DEVIATION WAS IDENTIFIED (IMPROPER RECORDS STORAGE OF PERMANENT QA RECORDS, PARAGRAPH 2.) THE LICENSEE OPERATED THE PLANT IN A SAFE, CONSERVATIVE MANNER. THE LICENSEE DEMONSTRATED FORETHOUGHT BY REQUESTING THE STUDY TO DEMONSTRATE OPERATION AT HIGHER-THAN-NORMAL RIVER WATER TEMPERATURES; HOWEVER, INFORMATION IN THE INITIAL JUSTIFICATION FOR CONTINUED OPERATION WAS NOT COMPREHENSIVE ENOUGH, QUANTITATIVELY, TO ASSURE SAFE OPERATION. THE LICENSEE WAS TAKING INITIAL STEPS TOWARDS ESTABLISHING THERMOGRAPHY AS A PREDICATIVE MAINTENANCE TOOL.

INSPECTION CONDUCTED JULY 31 THROUGH AUGUST 4, 1989 (89-28) ROUTINE, ANNOUNCED INSPECTION OF THE IMPLEMENTATION OF THE ANTICIPATED TRANSIENT WITHOUT SCRAM (TWS) REQUIREMENTS AND LICENSEE ACTIONS ON PREVIOUS INSPECTIONS FINDINGS. WITHIN THE AREAS INSPECTED, TWO APPARENT VIOLATIONS WERE IDENTIFIED. THE APPARENT VIOLATIONS INVOLVED THE AREA OF DESIGN CONTROL. THE LICENSEE ACCOMPLISHED A DESIGN CHANGE THAT INCREASED THE MAXIMUM ALTERNATE ROD INSERTION TIME WITHOUT ADEQUATE EVALUATION AND FAILED TO COMPLY WITH PROCEDURAL REQUIREMENTS FOR ON-THE-SPOT-CHANGES (PARAGRAPH 3). EXCEPT FOR THE IDENTIFIED APPARENT VIOLATIONS, THE LICENSEE'S ACTIONS WERE IN COMPLIANCE WITH THE TWS REQUIREMENTS CONTAINED IN 10 CFR PART 50.62 AND WERE DETERMINED TO BE SATISFACTORY. THE LICENSEE'S ACTIONS ON SOME PREVIOUS INSPECTION FINDINGS WERE REVIEWED AND FOUND TO BE SATISFACTORY AS NOTED IN THE REPORT (PARAGRAPH 2).

INSPECTION CONDUCTED AUGUST 7-11, 1989 (89-30) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM RELATING TO DOCUMENT CONTROL. WITHIN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED BUT WAS NOT CITED. THE LICENSEE'S CONTROL

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* COOPER STATION *

INSPECTION SUMMARY

OF DRAWINGS AND PROCEDURES MET COMMITMENTS AND NO SIGNIFICANT PROBLEMS WERE IDENTIFIED. THE ADMINISTRATION OF TECHNICAL SPECIFICATION CHANGES AND THE FINAL SAFETY ANALYSIS REPORT WERE NOT INSPECTED.

ENFORCEMENT SUMMARY

PROCEDURES FOR ON-THE-SPOT CHANGES (OSC) DO NOT REQUIRE AN EVALUATION TO DETERMINE IF PROCEDURE CHANGE OR TRAINING IS REQUIRED DUE TO THE OSC. DESIGN CHANGE 88-036 WAS ALTERED BY OSC NO. 8 ON APRIL 20, 1989, WITHOUT TRAINING BEING CONDUCTED NOR PROCEDURES AFFECTED BY THE OSC, SUCH AS SYSTEM OPERATING PROCEDURE 2.2.28, "FEEDWATERSYSTEM," BEING MODIFIED TO REFLECT THE CHANGE. CONTRARY TO 10 CFR 59, APPENDIX B, CRITERION III, AND THE LICENSEE'S QUALITY ASSURANCE PROGRAM DESCRIPTION, THE LICENSEE FAILED TO HAVE ADEQUATE MEASURES TO CONTROL DESIGN CHANGES.
COOPER STATION (8902 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER

LAST IF SITE INSPECTION DATE: AUGUST 11, 1989

INSPECTION REPORT NO: 50-298/89-30

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-023	05-22-89	08-17-89	VALVE BODY WALL THINNING IN SAFETY RELATED THROTTLE VALVES DUE TO EROSION.

=====

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: J.A DINKOWSKI (904) 563-4485

4. Licensed Thermal Power (MWT): 2544

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

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>109,319.0</u>
13. Hours Reactor Critical	<u>611.3</u>	<u>2,511.6</u>	<u>69,295.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>605.3</u>	<u>2,461.1</u>	<u>67,854.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,450,172</u>	<u>5,250,041</u>	<u>152,767,005</u>
18. Gross Elec Ener (MWH)	<u>483,810</u>	<u>1,761,401</u>	<u>52,198,653</u>
19. Net Elec Ener (MWH)	<u>459,120</u>	<u>1,669,920</u>	<u>49,571,562</u>
20. Unit Service Factor	<u>81.4</u>	<u>42.2</u>	<u>62.1</u>
21. Unit Avail Factor	<u>81.4</u>	<u>42.2</u>	<u>62.1</u>
22. Unit Cap Factor (MDC Net)	<u>75.2</u>	<u>34.9</u>	<u>55.2</u>
23. Unit Cap Factor (DER Net)	<u>74.8</u>	<u>34.7</u>	<u>55.0</u>
24. Unit Forced Outage Rate	<u>18.6</u>	<u>11.5</u>	<u>21.0</u>
25. Forced Outage Hours	<u>138.7</u>	<u>318.8</u>	<u>18,066.4</u>

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

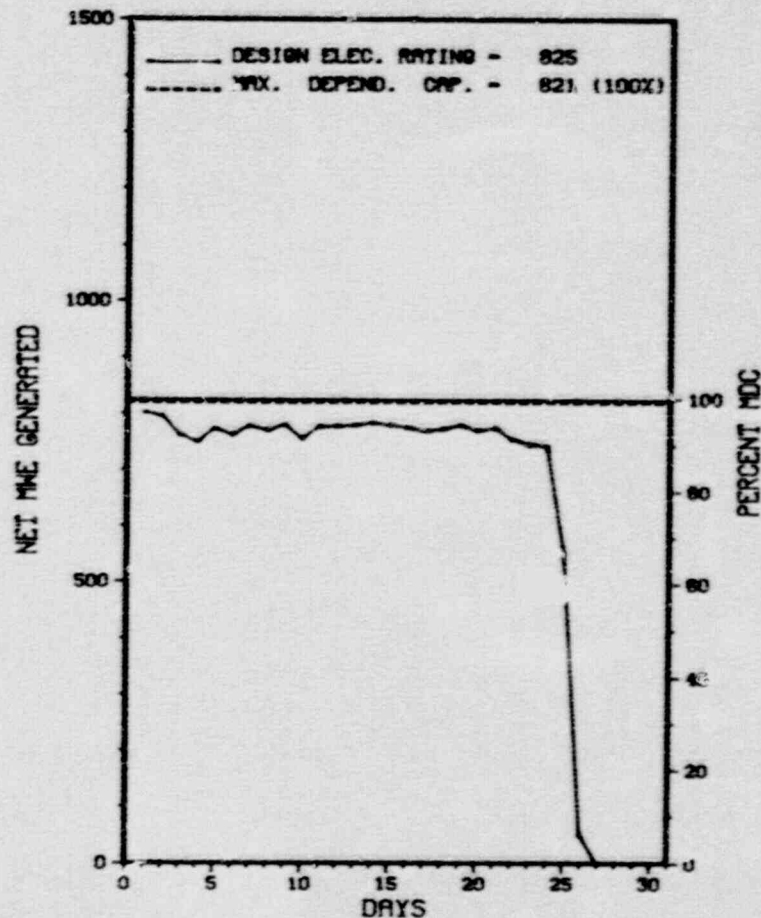
NONE

27. If Currently Shutdowns Estimated Startup Date: 09/12/89

 X CRYSTAL RIVER 3 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-09	08/26/89	F	138.7	D	1	89-030-00	WB	PUMPXX	THE PLANT WAS BROUGHT OFF-LINE TO COMPLY WITH TECHNICAL SPECIFICATIONS WHICH REQUIRE TWO OPERABLE RAW WATER PUMPS. RAW WATER PUMP-2B DID NOT PASS IT'S PERIODIC SURVEILLANCE TEST.

 * SUMMARY *

 CRYSTAL RIVER 3 WAS ADMINISTRATIVELY TAKEN OUT OF SERVICE ON AUGUST 26 TO INSPECT ONE OF THE TWO REQUIRED RAW WATER PUMPS. THE UNIT REMAINED OUT OF SERVICE AT MONTHS END.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....CITRUS

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

TYPE OF REACTOR.....PWR

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

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

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

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

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

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

INSPECTION SUMMARY

+ INSPECTION JUNE 20-23 (89-12): THIS ROUTINE, ANNOUNCED INSPECTION WAS THE OBSERVATION AND EVALUATION OF THE ANNUAL EMERGENCY EXERCISE. SELECTED STAFFING AND RESPONSE OF THE EMERGENCY ORGANIZATIONS IN THE CONTROL ROOM, TECHNICAL SUPPORT CENTER, OPERATIONAL SUPPORT CENTER, EMERGENCY OPERATIONS FACILITY, AND EMERGENCY NEWS CENTER WERE OBSERVED. ADDITIONALLY, AN NRC REGION II BASE TEAM LOCATED AT THE REGION II OFFICE AND A SITE TEAM LOCATED AT THE SITE WERE SUPPORTED BY AN NRC HEADQUARTERS FULL RESPONSE TEAM INCLUDING THE EXECUTIVE TEAM. BASED UPON THE SCENARIO USED, THE LICENSEE'S PERFORMANCE WAS SATISFACTORY TO DETERMINE THAT THEY COULD IMPLEMENT THEIR EMERGENCY PLAN AND PROCEDURE TO ADEQUATELY PROVIDE FOR THE HEALTH AND SAFETY OF THE PUBLIC AND PLANT PERSONNEL. ONE EXERCISE WEAKNESS WAS IDENTIFIED FOR FAILURE TO MAKE STATE NOTIFICATIONS WITHIN 15 MINUTES OF THE GENERAL EMERGENCY CLASSIFICATION. AN ADDITIONAL PROBLEM NOTED WAS THE FAILURE TO CONDUCT AN ADEQUATE SELF-CRITIQUE IN THAT THE NEGATIVE OBSERVATIONS MADE BY THE LICENSEE'S EVALUATION TEAM WERE NOT IDENTIFIED FOR CORRECTIVE ACTIONS.

INSPECTION JUNE 3 - JULY 7 (89-15): 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, FACILITY MODIFICATIONS, FOLLOWUP OF ONSITE EVENTS, ANNUAL EMERGENCY DRILL, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO MAINTAIN CORRECT BATTERY CELL ELECTROLYTE LEVEL; FAILURE TO ADHERE TO PLANT PROCEDURES. A NON-CITED LICENSEE IDENTIFIED VIOLATION WAS DISCUSSED.

INSPECTION JUNE 25-30 (89-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF MANAGEMENT SUPPORT, SECURITY PROGRAM PLANS AND AUDITS, DETECTION AND ASSESSMENT AIDS, PROTECTED AND VITAL AREA ACCESS CONTROLS OF PERSONNEL, PACKAGES AND

INSPECTION SUMMARY

VEHICLES, RECORDS AND REPORTS, ALARM STATIONS, TESTING AND MAINTENANCE AND COMPENSATORY MEASURES, POWER SUPPLY AND SECURITY TRAINING AND QUALIFICATION. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED. HOWEVER OVERALL, RESULTS INDICATE THAT THE CRYSTAL RIVER SECURITY PROGRAM IS EFFECTIVE AND THE SECURITY ORGANIZATION IS CAPABLE OF PROVIDING AN ACCEPTABLE LEVEL OF PROTECTION FOR THE STATION RESOURCES. IN THE AREA OF LOGGING AND REPORTING SAFEGUARDS EVENTS THE LICENSEE HAD FAILED TO MEET THE NRC REQUIREMENTS. THESE EVENTS ARE FURTHER DISCUSSED IN REPORT DETAILS: FAILURE TO ESTABLISH A SECURITY SAFEGUARDS EVENT LOG AND FAILURE TO LOG THE LOSS OF A SECURITY SYSTEM IN THE QUARTERLY SECURITY SAFEGUARDS EVENT LOG.

INSPECTION JUNE 19-20 (89-17): THIS ROUTINE ANNOUNCED INSPECTION WAS CONDUCTED AS A FOLLOW-UP TO THE EVENTS SURROUNDING THE LOSS OF OFF-SITE POWER TRANSIENT EXPERIENCED ON JUNE 16, 1989. THE SCOPE OF THIS INSPECTION INCLUDED REVIEW OF THE PLANT AND OPERATOR RESPONSE TO THE TRANSIENT, THE ROOT CAUSE, AND CORRECTIVE ACTIONS TAKEN BY THE LICENSEE TO PREVENT FUTURE OCCURRENCES OF THIS NATURE. INCREASED MANAGEMENT ATTENTION TO CONTROL THE INTERFACE BETWEEN THE UNITS 1 AND 2, SWITCHYARD AND THE UNIT 3 START-UP TRANSFORMER IS NEEDED. THE CURRENT PLANT DESIGN RELIES SOLELY ON THE UNIT 3 START-UP TRANSFORMER AS THE PRIMARY SOURCE OF POWER TO THE EMERGENCY SYSTEM AND UNIT BUSES. AN ADDITIONAL SOURCE OF OFF-SITE POWER WOULD ENHANCE THE RESPONSE TO A SINGLE FAILURE OF THE UNIT 3 TRANSFORMER. ADDITIONALLY, DURING THE EVENT OF JUNE 16, 1989, THE EMERGENCY FEEDWATER PUMP-1 FAILED TO AUTOMATICALLY START AFTER THE EMERGENCY DIESEL GENERATOR POWERED THE EMERGENCY BUSES. THIS FAILURE MAY HAVE BEEN PREVENTED HAD PROPER TESTING OF THE LOGIC STRING FOR THIS SEQUENCE BEEN TESTED. THE INADEQUATE TESTING WAS NOT IDENTIFIED DURING THE ROOT CAUSE ANALYSIS COMPLETED BY THE LICENSEE.

INSPECTION JULY 10-14 (89-18): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF INSERVICE TESTING AND FOLLOW-UP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE'S CONTAINMENT SPRAY SYSTEM INSERVICE TEST (IST) PROGRAM APPEARED TO BE ADEQUATE TO ENSURE THAT THE SYSTEM'S COMPONENTS ARE MAINTAINED IN AN OPERATIONAL READINESS STATE. CONTAINMENT SPRAY SYSTEM (CSS) IST PROGRAMMATIC WEAKNESSES WERE IDENTIFIED IN THE AREAS OF CHECK VALVE FULL AND BACKFLOW TESTING, AND VERIFICATION OF REMOTE INDICATION ON THE REMOTE SHUTDOWN PANEL. ISOLATED IST WEAKNESSES WERE IDENTIFIED IN THE AREA OF CHECK VALVES BSV-150 AND BSV-151 FULL FLOW TESTING; AND DOCUMENTATION OF VACUUM RELIEF VALVE BSV-19 TEST DATA. FAILURE TO VERIFY REMOTE SHUTDOWN PANEL INDICATION, FULL FLOW TESTING FOR VALVES BSV-150 AND 151, AND DOCUMENT VALVE BSV-19 TEST DATA WAS IDENTIFIED AS A VIOLATION. STRENGTHS IN THE CSS IST PROGRAM WERE IDENTIFIED THAT INVOLVED DOCUMENTATION AND TRENDING OF PUMP TEST DATA; AND AN AGGRESSIVE MOTOR OPERATED VALVE INSERVICE TEST PROGRAM. A VIOLATION WAS IDENTIFIED THAT INVOLVED CONTAINMENT LEAK RATE TESTING ELECTRICAL PENETRATIONS. A STRENGTH WAS IDENTIFIED THAT INVOLVED CLEAR AND ACCURATE INSTRUCTIONS CONTAINED IN MOTOR OPERATED VALVE MAINTENANCE PROCEDURES. THE LICENSEE COMMITTED TO PROVIDE TO THE NRC, IN WRITING, HOW THE ISSUE OF VERIFYING THE SPRAY ADDITIVE SYSTEM FLOW RATE WOULD BE RESOLVED.

INSPECTION AUGUST 8 (89-21): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF OBSERVATION AND ANALYSIS OF ULTRASONIC EXAMINATION CAPABILITIES FOR OPPOSITE SURFACE (OUTSIDE PIPE SURFACE) INITIATING FLAWS IN THE VARIOUS MATERIALS INVOLVED FOR THE CORE FLOOD NOZZLE TO SAFE-END WELDS. BABCOCK AND WILCOX'S OFFICE OF SPECIAL PRODUCTS AND INTEGRATED FIELD SERVICES IN LYNCHBURG, VIRGINIA DEMONSTRATED THEIR ULTRASONIC FLAW DETECTION CAPABILITIES ON A MOCKUP FOR THE CRYSTAL RIVER UNIT 3. CORE FLOOD NOZZLE TO SAFE-END WELDS. THIS DEMONSTRATION WAS TO SUPPLEMENT INFORMATION PROVIDED BY THE LICENSEE TO THE NUCLEAR REGULATORY COMMISSION (NRC) OFFICE OF NUCLEAR REACTOR REGULATIONS (NRR) FOR REQUESTED RELIEF FROM THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, BOILER AND PRESSURE VESSEL (ASME B&PV) CODE REQUIREMENTS. THE EXAMINATION CAPABILITIES AND LIMITATIONS FOR OPPOSITE SURFACE INITIATING FLAWS IN THE DISSIMILAR MATERIALS INVOLVED IN THE ULTRASONIC EXAMINATION OF THE CORE FLOOD NOZZLE TO SAFE-ENDS WELDS ARE DELINEATED IN THIS REPORT. RESOLUTION OF THE INFORMATION OBTAINED AS A RESULT OF THIS INSPECTION IS NOT WITHIN THE SCOPE OF THIS REPORT. THE LICENSEE WILL BE NOTIFIED BY NRR AS TO THE STATUS OF THEIR REQUEST FOR RELIEF FROM ASME CODE REQUIREMENTS IN FUTURE CORRESPONDENCE. WITHIN THE AREAS EXAMINED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.8.1 AND APPENDIX A OF REGULATORY GUIDE 1.33: (1) GENERAL PLANT OPERATING PROCEDURE OP-02, PLANT HEATUP, REV. 80, WAS INADEQUATE IN THAT IT DID NOT ADEQUATELY ADDRESS USING PRESSURIZER SPRAY CONTROL TO DEGAS THE REACTOR COOLANT SYSTEM WHILE IN MODE 5, WITH NO REACTOR COOLANT PUMPS OPERATING. THERE WERE NO STEPS, CONDITIONS, CAUTIONS, OR LIMITS TO PREVENT HEATING THE EMERGENCY FEEDWATER PIPING AND ITS CONTAINMENT PENETRATION BEYOND DESIGN LIMITS OR TO PREVENT SUBJECTING THE A STEAM GENERATOR TO

ENFORCEMENT SUMMARY

UNANALYZED THERMAL STRESSES. AS A RESULT, AT ABOUT 0500 ON MAY 29, 1989, THESE CONDITIONS OCCURRED; AND (2) OPERATORS FAILED TO HAVE PROCEDURES PRESENT FOR PERFORMING ACTIONS THAT WERE NOT ROUTINE TO THEM. AT ABOUT 0015 ON MAY 28, 1989, OPERATORS INITIATED PRESSURIZER SPRAY FROM DECAY HEAT REMOVAL TO DEGAS THE REACTOR COOLANT SYSTEM. THE OPERATORS HAD NOT PERFORMED THESE ACTIONS BEFORE AND WERE NOT FAMILIAR WITH THE PROCEDURE CONTENT. THIS CONTRIBUTED TO THE MAY 29 OVERHEATING OF EMERGENCY FEEDWATER PIPING AND ITS CONTAINMENT PENETRATION AND TO SUBJECTING THE A STEAM GENERATOR TO UNANALYZED THERMAL STRESSES. CONTRARY TO TS 3.8.2.3, SEVERAL CELLS OF THE A AND B STATION BATTERIES WERE OBSERVED TO HAVE ELECTROLYTE LEVELS GREATER THAN THE MAXIMUM LEVEL MARK WHICH RENDERED BOTH STATION BATTERIES INOPERABLE. CONTRARY TO TS 6.8.1, PROCEDURES MP-165, RCP SEAL INSTALLATION, AND AI-2205, FIRE BRIGADE ORGANIZATION, WERE NOT ADHERED TO. FAILURE TO ESTABLISH A SECURITY SAFEGUARDS EVENT LOG.

FAILURE TO LOG LOSS OF A SECURITY SYSTEM IN THE QUARTERLY SECURITY SAFEGUARDS EVENT LOG.
 CRYSTAL RIVER 3 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORM. OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 8, 1989 +

INSPECTION REPORT NO: 50-302/89-24 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-027	07/13/89	08/11/89	PERSONNEL ERROR IN FAILURE TO IMPLEMENT SURVEILLANCE REQUIREMENTS OF TECHNICAL SPECIFICATION AMENDMENT RESULTS IN FAILURE TO PERFORM SURVEILLANCE IN REQUIRED INTERVAL
89-028	07/25/89	08/24/89	PERSONNEL ERRORS DURING DEVELOPMENT OF REVISION TO SURVEILLANCE

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: BILAL SARSOUR (419) 249-5000 X7384

4. Licensed Thermal Power (MWT): 2772

5. Nameplate Rating (Gross MWe): 925

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 874

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

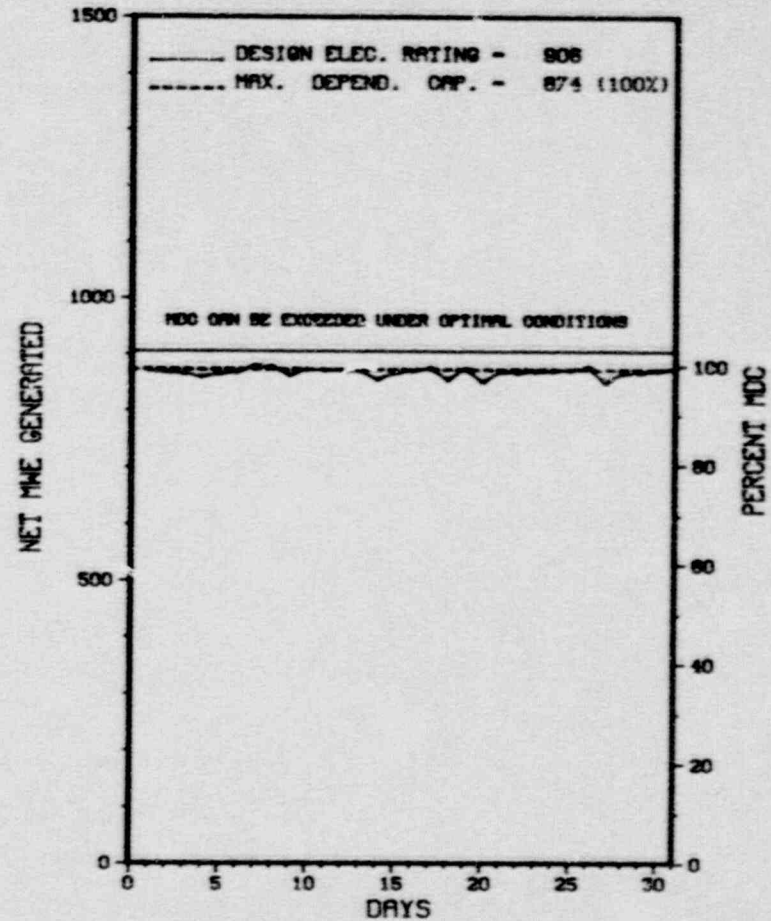
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>97,200.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,618.1</u>	<u>51,226.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>89.0</u>	<u>5,393.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,577.6</u>	<u>49,271.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>2,052,389</u>	<u>15,098,530</u>	<u>116,967,918</u>
18. Gross Elec Ener (MWH)	<u>679,436</u>	<u>5,035,435</u>	<u>38,676,629</u>
19. Net Elec Ener (MWH)	<u>646,612</u>	<u>4,778,470</u>	<u>36,243,522</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.7</u>	<u>50.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.7</u>	<u>52.5</u>
22. Unit Cap Factor (MDC Net)	<u>99.4</u>	<u>94.1</u>	<u>42.7</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>90.5</u>	<u>41.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>29.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>158.0</u>	<u>21,684.0</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>REFUELING - FEB. 1, 1990 - 18 WEEK DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* DAVIS-BESSE 1 *

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



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

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

NONE

* SUMMARY *

DAVIS BESSE 1 OPERATED ROUTINELY DURING AUGUST 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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period AUG 1989

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.....T. WAMBACH
BOCKET 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

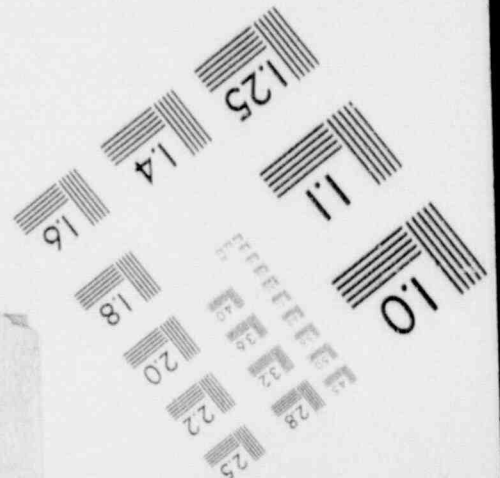
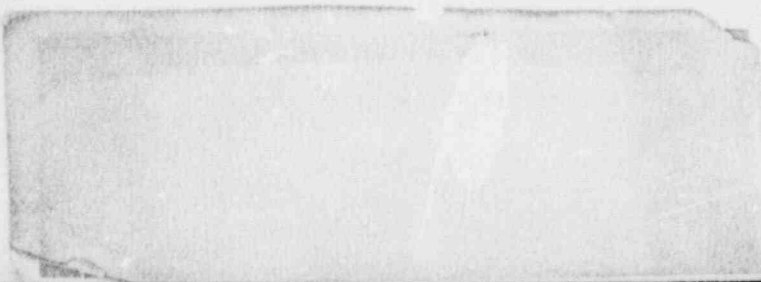
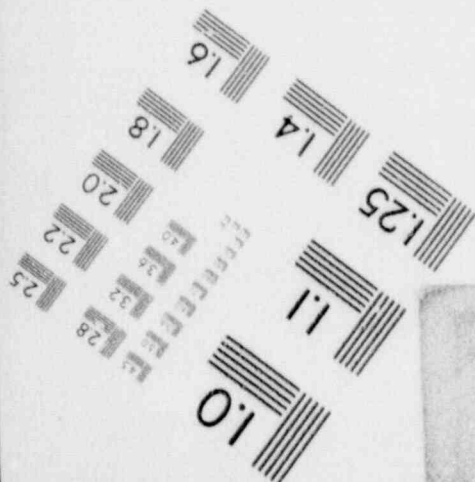
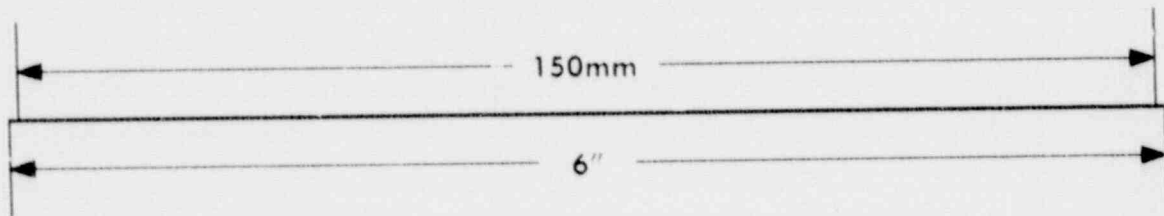
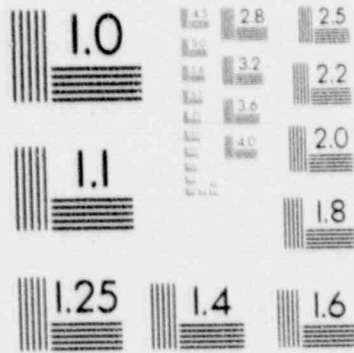
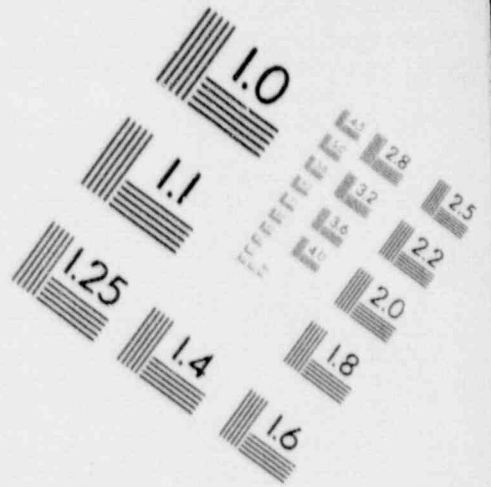
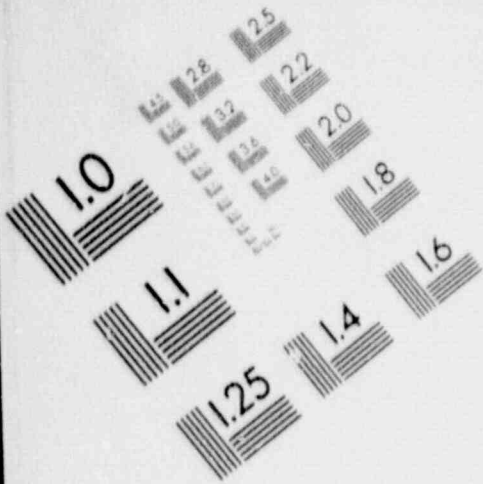
INSPECTION SUMMARY

INSPECTION ON MARCH 13-17 AND APRIL 18 (89012): ROUTINE, UNANNOUNCED INSPECTION TO REVIEW THE IMPLEMENTATION OF THE LICENSEE'S FIRE PROTECTION PROGRAM THROUGH A FOLLOWUP OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS (LER); AND INFORMATION NOTICES (30703, 64704, 90712, 92700, AND 92701). OF THE THREE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (TWO RECURRING INCIDENTS OF PERSONNEL ERROR THAT RESULTED IN CONTINUOUS FIRE WATCHES NOT BEING ESTABLISHED WITHIN ONE HOUR; AND FIRE PROCEDURE INADEQUACY IN THAT THE PROCEDURE DID NOT PRESCRIBE THE NEED FOR FIRE BRIGADE ASSISTANCE UPON RECEIPT OF AN ALARM IN THE CONTROL ROOM). ADDITIONALLY, FOUR OTHER VIOLATIONS WERE ALSO IDENTIFIED; HOWEVER, IN ACCORDANCE WITH 10 CFR PART 2, APPENDIX C, SECTION V.G., A NOTICE OF VIOLATION WAS NOT ISSUED. THE FIRST OF THESE VIOLATIONS REGARDED DIFFERENCES BETWEEN THE INSTALLED FIRE DETECTION ZONES AND THE OPERABILITY REQUIREMENTS REQUIRED BY TECHNICAL SPECIFICATIONS. THE SECOND OF THESE VIOLATIONS REGARDED THE FAILURE TO MEET THE FIRE DETECTION SYSTEM SUPERVISED SURVEILLANCE REQUIREMENTS. THE THIRD VIOLATION REGARDED A FAILURE TO VERIFY THE CORRECT POSITION OF THE FIRE SUPPRESSION ISOLATION VALVES AS REQUIRED. THE FOURTH VIOLATION REGARDED THE FAILURE TO PERFORM AN AUTOMATIC ACTUATION OF THE PRE-ACTION SPRINKLER SYSTEM. ALTHOUGH NUMEROUS DEFICIENCIES WERE IDENTIFIED, MOST OF THESE DEFICIENCIES WERE OF MINOR SAFETY SIGNIFICANCE. THE LICENSEE IS ADEQUATELY ADDRESSING AND CORRECTING THESE DEFICIENCIES. A LICENSEE STRENGTH WAS NOTED REGARDING THE POSITIVE ATTITUDE OF THE LICENSEE'S FIRE PROTECTION STAFF.

INSPECTION ON JUNE 5 THROUGH JULY 16 AND 24 (89016): A ROUTINE UNANNOUNCED SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORTS, ALLEGATIONS, PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE/SURVEILLANCE, EMERGENCY PREPAREDNESS, SECURITY, ENGINEERING AND TECHNICAL SUPPORT, AND SAFETY ASSESSMENT/QUALITY VERIFICATION WAS PERFORMED. OPERATING CREWS MADE SEVERAL ERRORS AS A RESULT OF PROCEDURAL PROBLEMS AND INATTENTION TO DETAIL. A FIRE PROTECTION SURVEILLANCE

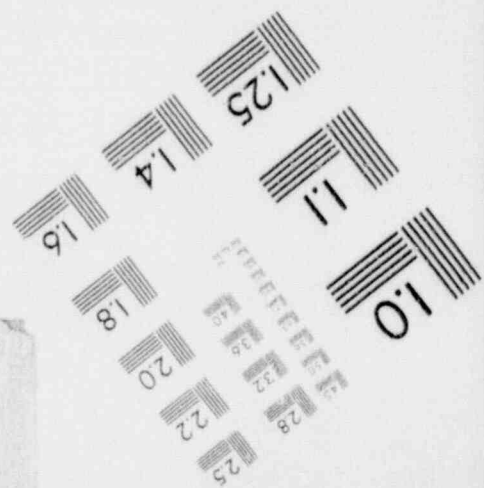
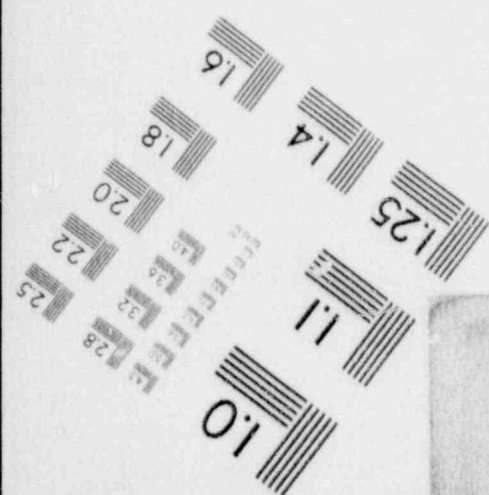
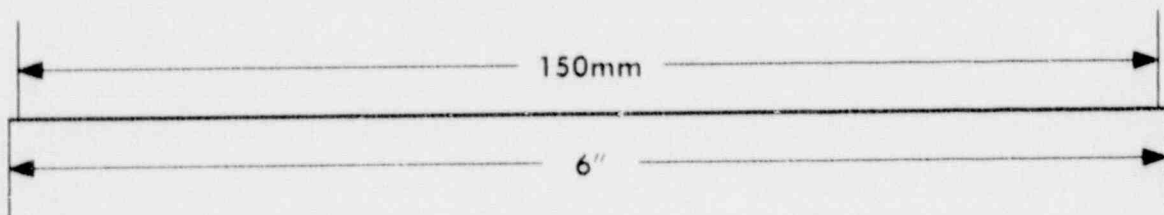
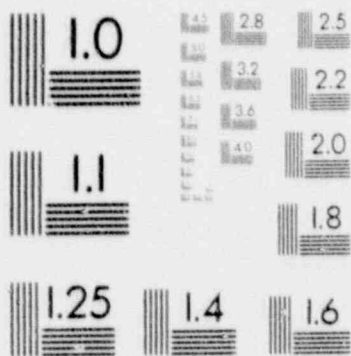
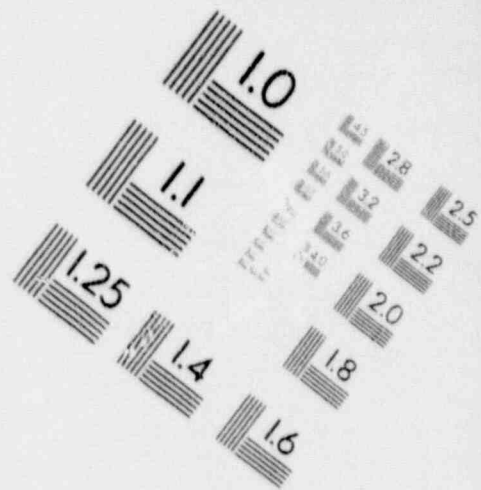
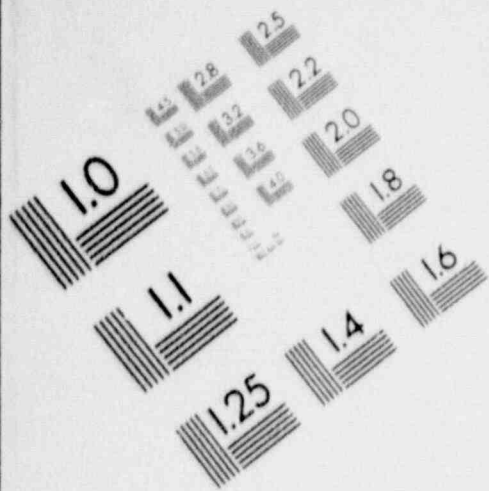
1

IMAGE EVALUATION TEST TARGET (MT-3)



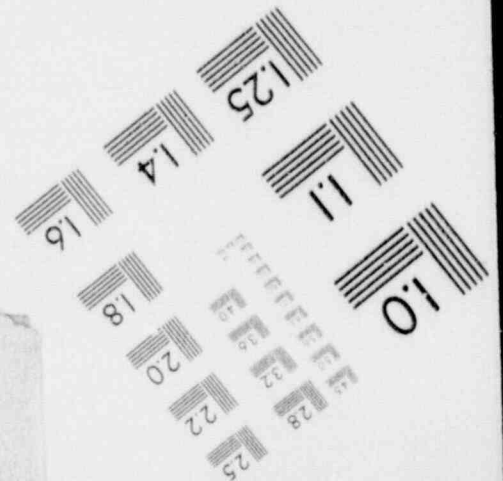
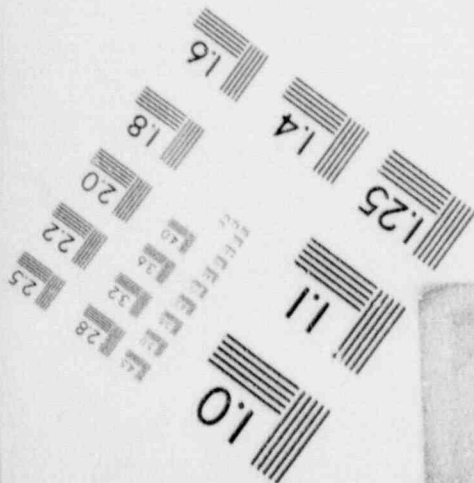
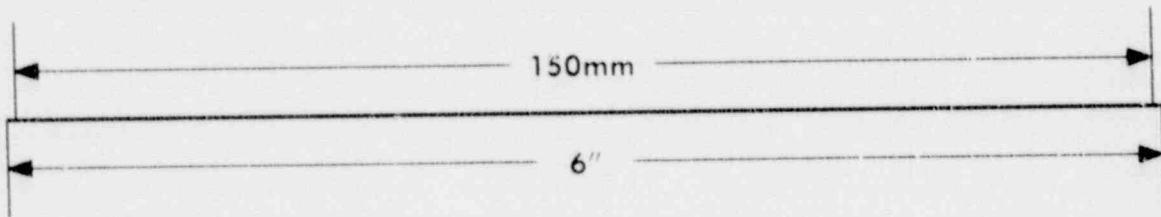
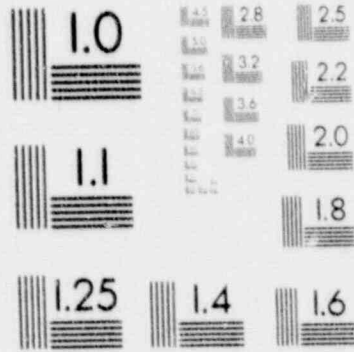
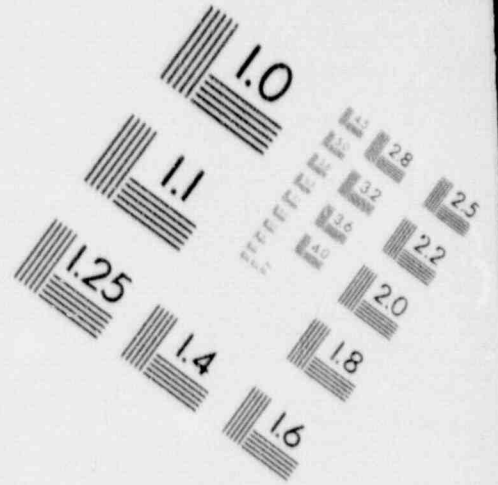
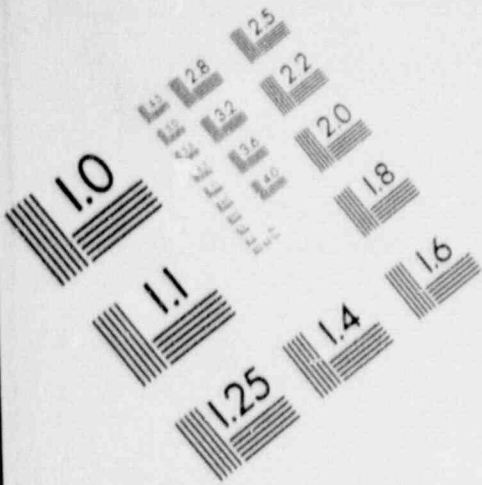
1

IMAGE EVALUATION TEST TARGET (MT-3)



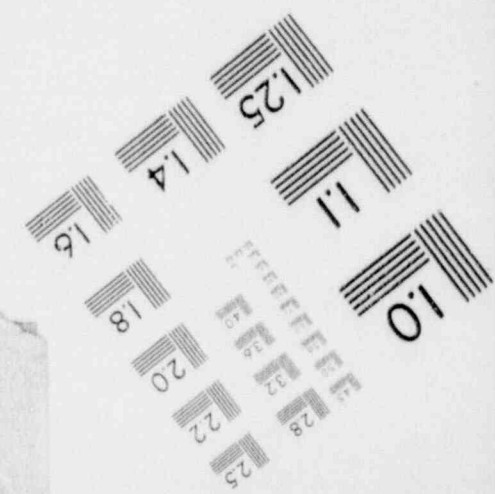
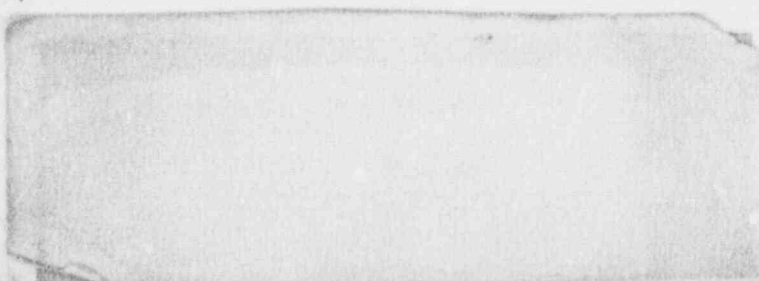
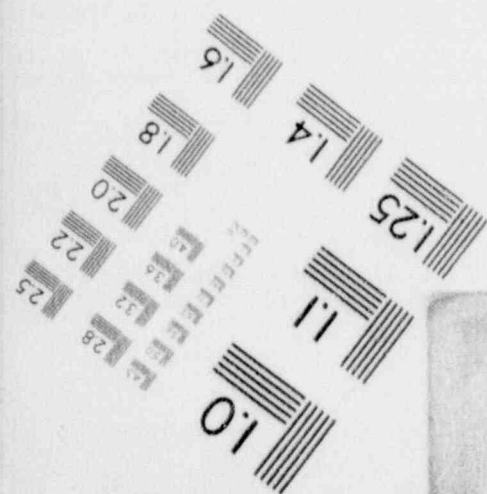
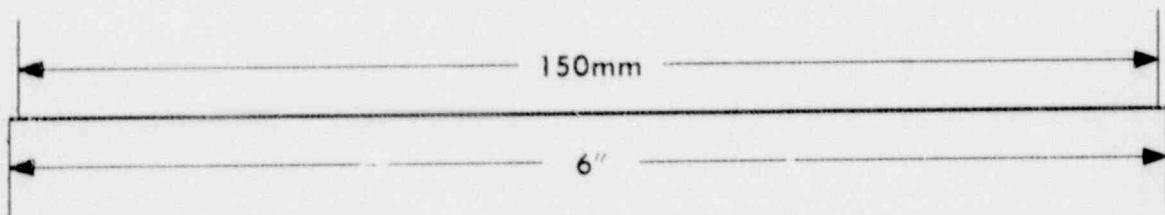
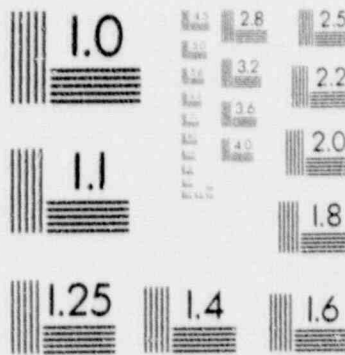
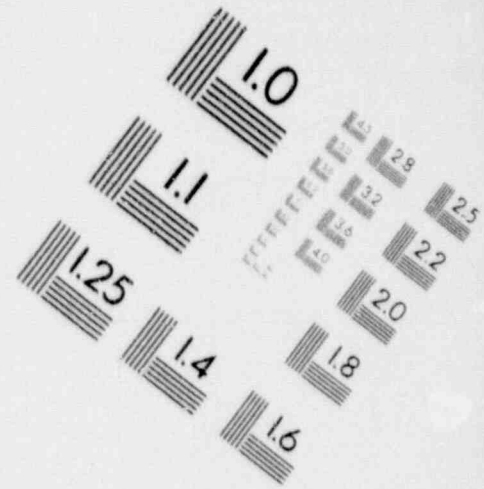
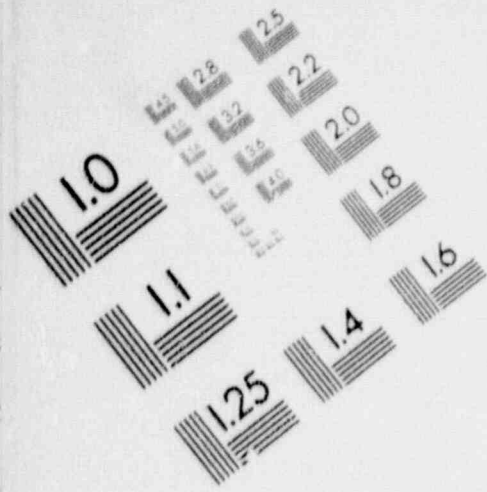
1

IMAGE EVALUATION TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)



INSPECTION SUMMARY

WAS MISSED AS A RESULT OF PROCEDURE AND PROCEDURE PROCESS WEAKNESSES. TWO VIOLATIONS OF THE GENERAL DESIGN CRITERIA DUE TO DESIGN ERRORS WERE IDENTIFIED.

INSPECTION ON JULY 24-28 (89020): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM DURING ROUTINE OPERATIONS, INCLUDING: ORGANIZATION, CHANGES, MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; AND AUDITS (IP 83750). ALSO REVIEWED WERE ACTIONS TAKEN IN RESPONSE TO PREVIOUS INSPECTION FINDINGS (IP 92701; 92702). THE LICENSEE'S RADIATION PROTECTION PROGRAM APPEARS WELL MANAGED AND IMPLEMENTED INCLUDING METHODS OF SELF-IDENTIFICATION AND CORRECTION OF PROGRAMMATIC WEAKNESSES. 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:

OPERATING AT FULL POWER.

LAST IE SITE INSPECTION DATE: 07/28/89

INSPECTION REPORT NO: 89020

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
89-11	071389	081489	TESTING OF DECAY HEAT COOLER VALVES DID NOT SATISFY ASME REQUIREMENTS

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: P. BEDESEM (805)595-4097

4. Licensed Thermal Power (MWh): 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

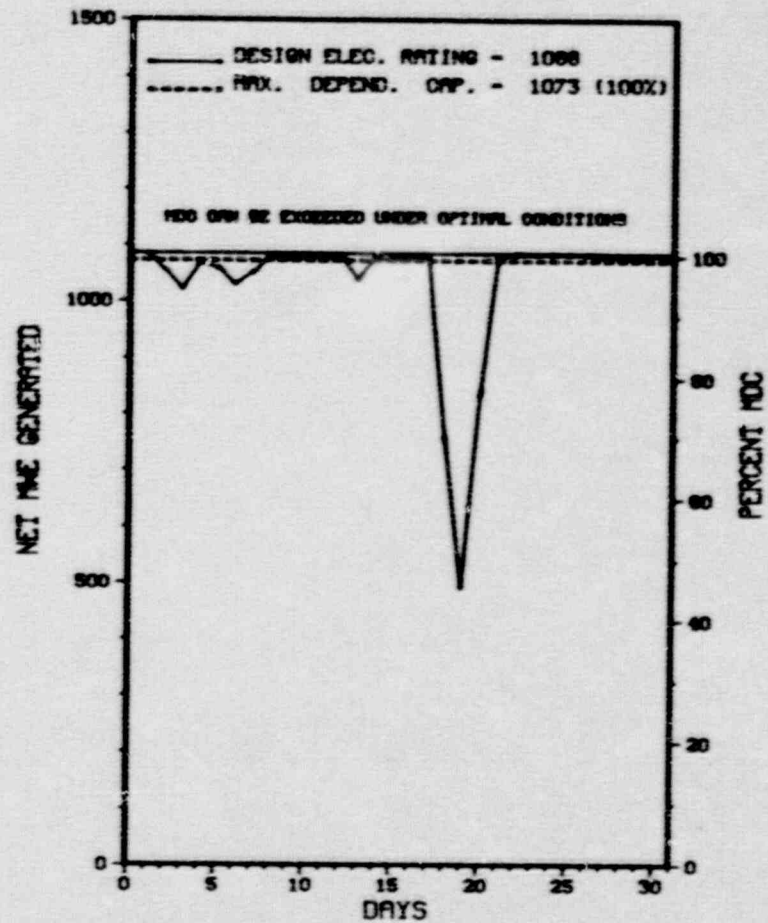
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>37,869.3</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>31,252.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>30,695.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,384,230</u>	<u>18,875,550</u>	<u>94,414,464</u>
18. Gross Elec Ener (MWH)	<u>809,700</u>	<u>6,369,100</u>	<u>31,801,932</u>
19. Net Elec Ener (MWH)	<u>770,682</u>	<u>6,061,343</u>	<u>30,130,733</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>81.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>81.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>96.9</u>	<u>74.2</u>
23. Unit Cap Factor (DER Net)	<u>95.4</u>	<u>95.7</u>	<u>73.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>916.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - NOV. 15, 1989 - 60 DAY DURATION

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

* D I A B L O C A N Y O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
D I A B L O C A N Y O N 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	08/18/89	F	0.0	B	5		SG	COND	HIGH SULFATES DETECTED IN STEAM GENERATORS, THEREFORE POWER WAS REDUCED TO 50% FOR CONDENSER CLEANING DURING CONDENSATE POLISHER TROUBLESHOOTING AND MAINTENANCE.

* SUMMARY *

DIABLO CANYON 1 INCURRED ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* DIABLO CANYON 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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 JUNE 4 - JULY 15, 1989 (REPORT NO. 50-275/89-16) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ON-SITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 11 - 15, 1989 (REPORT NO. 50-275/89-19) INSPECTION TO BE CONDUCTED IN SEPTEMBER, 1989.

+ INSPECTION ON JULY 10 - 18, 1989 (REPORT NO. 50-275/89-20) AREAS INSPECTED: THIS ROUTINE UNANNOUNCED INSPECTION BY A REGIONALLY-BASED INSPECTOR EXAMINED THE FOLLOWING PORTIONS OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM: PHYSICAL SECURITY PROGRAM FOR POWER REACTORS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL-PERSONNEL; PERSONNEL TRAINING AND QUALIFICATIONS PLAN; AND FOLLOW-UP ON EVENTS, GENERIC LETTER, AND INSPECTOR IDENTIFIED PROBLEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, THE LICENSEE'S SECURITY PROGRAM APPEARED ADEQUATE TO ACCOMPLISH THEIR SECURITY OBJECTIVE. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION, EXCEPT FOR THE NON-CITED VIOLATION IN THE AREA OF: COMPENSATORY MEASURES. THIS NON-CITED VIOLATION INVOLVED THE LICENSEE'S DISCOVERY OF A CONTRACT SECURITY OFFICER SLEEPING WHILE ACTING AS A COMPENSATORY MEASURE FOR A PROTECTED AREA PERIMETER ALARM ZONE.

Report Period AUG 1989

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

* DIABLO CANYON 1 *

INSPECTION SUMMARY

+ INSPECTION ON JULY 30 - SEPTEMBER 9, 1989 (REPORT NO. 50-275/89-21) 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:

THE PLANT IS IN COMMERCIAL OPERATION AT 100% POWER.

LAST IE SITE INSPECTION DATE: 9/11 - 15/89+

INSPECTION REPORT NO: 50-275/89-19+

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: P. BEDESEM (805) 595-4097

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1164

6. Design Electrical Rating (Net MWe): 1119

7. Maximum Dependable Capacity (Gross MWe): 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

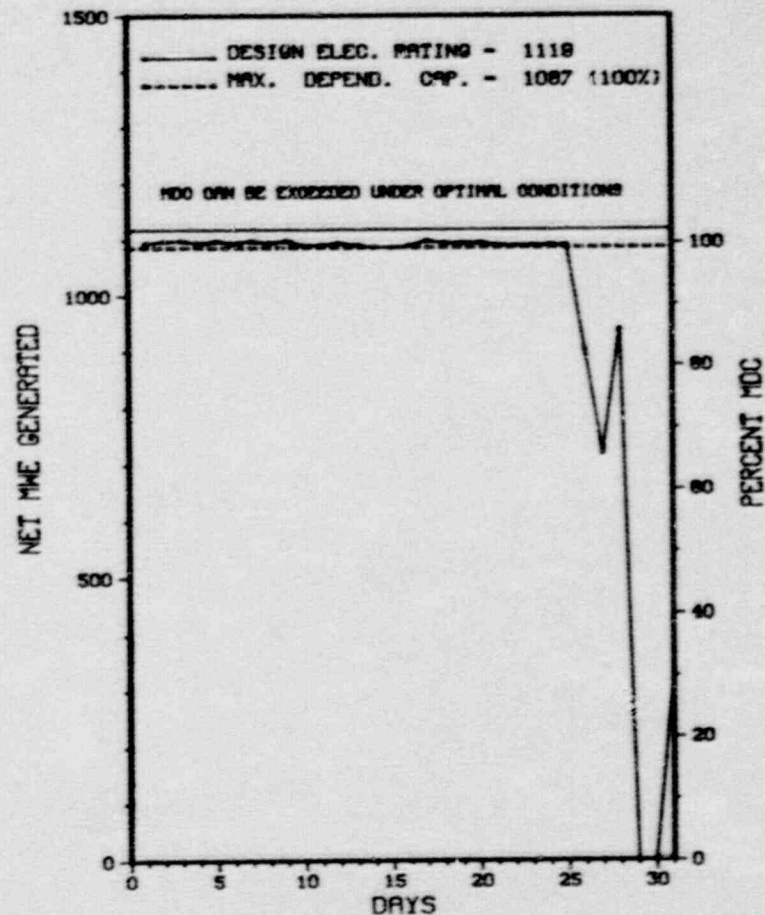
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>30,428.0</u>
13. Hours Reactor Critical	<u>690.0</u>	<u>5,420.8</u>	<u>24,527.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>684.5</u>	<u>5,384.7</u>	<u>23,958.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,271,022</u>	<u>17,945,719</u>	<u>77,000,408</u>
18. Gross Elec Ener (MWH)	<u>760,500</u>	<u>6,057,800</u>	<u>25,639,099</u>
19. Net Elec Ener (MWH)	<u>724,119</u>	<u>5,774,179</u>	<u>24,269,720</u>
20. Unit Service Factor	<u>92.0</u>	<u>92.3</u>	<u>78.7</u>
21. Unit Avail Factor	<u>92.0</u>	<u>92.3</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>89.5</u>	<u>91.1</u>	<u>73.4</u>
23. Unit Cap Factor (DER Net)	<u>87.0</u>	<u>88.5</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>8.0</u>	<u>4.7</u>	<u>9.3</u>
25. Forced Outage Hours	<u>59.5</u>	<u>268.5</u>	<u>2,458.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEB 18, 1990 - 60 DAY DURATION.

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

* D I A B L O C A N Y O N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DIABLO CANYON 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	08/26/89	S	0.0	B	5		SG	COND	UNIT 2 REDUCED POWER TO 40% TO CLEAN THE MAIN CONDENSER.
2	08/28/89	F	59.5	A	2	2-89-008	AB	P	UNIT 2 WAS MANUALLY TRIPPED FROM 100% POWER DUE TO FAILURE OF THE PHASE A ELECTRICAL CONNECTOR OF THE 2-1 REACTOR COOLANT PUMP MOTOR. THE CONNECTOR WAS REPLACED.

 * SUMMARY *

 DIABLO CANYON INCURRED ONE SCHEDULED POWER REDUCTION AND ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* DIABLO CANYON 2 *

FACILITY DATA

Report Period AUG 1989

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.....PHR
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 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.....50-323
LICENSE & DATE ISSUANCE....DPR-82, AUGUST 26, 1985
PUBLIC DOCUMENT ROOM.....ROBERT F. KENNEDY LIBRARY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 93407

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

INSPECTION SUMMARY

+ INSPECTION ON JUNE 4 - JULY 15, 1989 (REPORT NO. 50-323/89-16) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ON-SITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 11 - 15, 1989 (REPORT NO. 50-323/89-19) INSPECTION TO BE CONDUCTED IN SEPTEMBER, 1989.

+ INSPECTION ON JULY 10 - 18, 1989 (REPORT NO. 50-323/89-20) AREAS INSPECTED: THIS ROUTINE UNANNOUNCED INSPECTION BY A REGIONALLY-BASED INSPECTOR EXAMINED THE FOLLOWING PORTIONS OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM: PHYSICAL SECURITY PROGRAM FOR POWER REACTORS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL-PERSONNEL; PERSONNEL TRAINING AND QUALIFICATION PLAN; AND FOLLOW-UP OF EVENTS, GENERIC LETTER, AND INSPECTOR IDENTIFIED PROBLEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, THE LICENSEE'S SECURITY PROGRAM APPEARED ADEQUATE TO ACCOMPLISH THEIR SECURITY OBJECTIVE. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION, EXCEPT FOR THE NON-CITED VIOLATION IN THE AREA OF: COMPENSATORY MEASURES. THIS NON-CITED VIOLATION INVOLVED THE LICENSEE'S DISCOVERY OF A CONTRACT SECURITY OFFICER SLEEPING WHILE ACTING AS A COMPENSATORY MEASURE FOR A PROTECTED AREA PERIMETER ALARM ZONE.

Report Period AUG 1989

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

* DIABLO CANYON 2 *

INSPECTION SUMMARY

+ INSPECTION ON JULY 30 - SEPTEMBER 9, 1989 (REPORT NO. 50-323/89-21) 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:

THE PLANT IS IN COMMERCIAL OPERATION AT 100% POWER.

LAST IE SITE INSPECTION DATE: 09/11 -15/89+

INSPECTION REPORT NO: 50-323/89-19+

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. M. PARAMORE (815) 942-2920

4. Licensed Thermal Power (MWT): 809

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

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

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

11. Reasons for Restrictions, If Any: _____
NONE

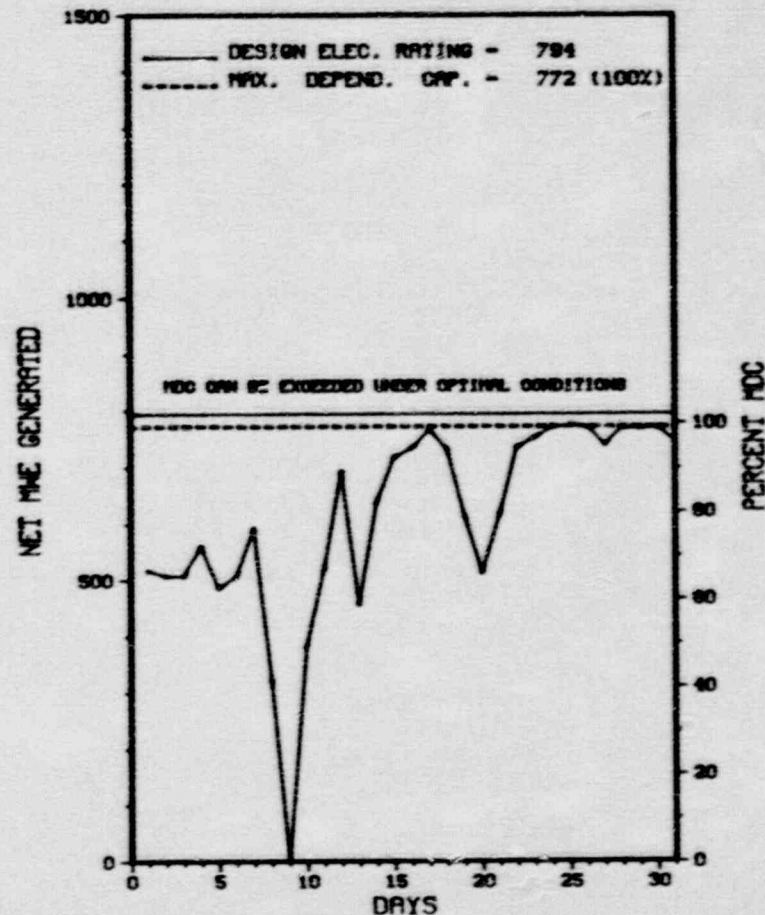
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>169,199.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,568.2</u>	<u>128,115.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>713.7</u>	<u>4,436.9</u>	<u>122,462.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,511,418</u>	<u>9,492,127</u>	<u>252,026,949</u>
18. Gross Elec Ener (MWH)	<u>479,508</u>	<u>3,029,131</u>	<u>80,524,841</u>
19. Net Elec Ener (MWH)	<u>454,488</u>	<u>2,872,843</u>	<u>76,126,937</u>
20. Unit Service Factor	<u>95.9</u>	<u>76.1</u>	<u>72.4</u>
21. Unit Avail Factor	<u>95.9</u>	<u>76.1</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>79.1</u>	<u>63.8</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>76.9</u>	<u>62.1</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>126.8</u>	<u>7,290.9</u>

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

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

* D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
D R E S D E N 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/08/89	S	30.3	B	1		TA	CON	A LOAD REDUCTION REDUCTION TO HOT STANDBY WAS PERFORMED TO INVESTIGATE AND REPAIR OSCILLATIONS OF THE NO. 1 TURBINE CONTROL VALVE. A TERMINAL STRIP CONNECTION WAS REPAIRED. UPON COMPLETION OF REPAIRS AND TESTING, THE GENERATOR WAS AGAIN SYNCHRONIZED.

 * SUMMARY *

 DRESDEN 2 ENTERED AUGUST OPERATING AT APPROXIMATELY 550 MWE. THE UNIT WAS OPERATED IN ECONOMIC GENERATION CENTRAL OR, AS DIRECTED BY THE LOAD DISPATCHER. THE UNIT INCURRED ONE SCHEDULED OUTAGE DURING THE MONTH AS DESCRIBED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Mznual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

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 DURING THE PERIOD OF MAY 30 THROUGH JULY 14 (89002, 89017, 89016): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUSLY IDENTIFIED INSPECTION ITEMS, LICENSE EVENTS REPORTS FOLLOWUP, ALLEGATIONS FOLLOWUP, PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCES, SAFETY ASSESSMENT/QUALITY VERIFICATION, RADIOLOGICAL CONTROLS, ENGINEERING/TECHNICAL SUPPORT, DRESDEN STATION MANAGEMENT ORGANIZATION AND REPORT REVIEW. ONE VIOLATION WAS IDENTIFIED DURING THIS INSPECTION PERIOD CONCERNING THE UNIT 2 EXCESSIVE DRYWELL TEMPERATURE EVENT OF OCTOBER 29, 1988. DURING THIS INSPECTION PERIOD, ONE REACTOR SCRAM OCCURRED FROM POWER. THIS ONE SCRAM WAS ATTRIBUTED TO DRIFTING MAIN STEAMLINE TEMPERATURE SWITCHES DURING A SURVEILLANCE TEST.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

DRESDEN TECHNICAL SPECIFICATION 6.2.A STATES THAT DETAILED WRITTEN PROCEDURES COVERING PREVENTATIVE AND CORRECTIVE MAINTENANCE OPERATIONS, WHICH COULD HAVE AN EFFECT ON THE SAFETY OF THE FACILITY . . . AND TESTING AND SURVEILLANCE REQUIREMENTS SHALL BE PREPARED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE, VENTILATION HATCHES IN THE UNIT 2 DRYWELL LEFT IN AN IMPROPER CLOSED

Report Period AUG 1989

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

* D R E S D E N 2 *

ENFORCEMENT SUMMARY

POSITION RESULTING IN EXCESSIVE UPPER ELEVATION TEMPERATURES DURING CYCLE 11 WERE DUE TO INADEQUATE MAINTENANCE AND SURVEILLANCE PROCEDURES.
DRESDEN 2 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT CURRENTLY OPERATING AT REDUCED POWER DUE TO ELEVATED COOLING LAKE TEMPERATURE

LAST IE SITE INSPECTION DATE: 08/28/89

INSPECTION REPORT NO: 8901B

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
89-18	070789	080289	AUTO START OF STANDBY GAS TREATMENT SYSTEM DUE TO SPURIOUS VENTILATION RADIATION MONITOR TRIP.
89-19	071289	080989	SCRAM/GROUP I ISOLATION DUE TO MAIN STEAM LINE RADIATION MONITOR LOCKUP AND SPURIOUS STEAM TUNNEL TEMPERATURE TRIP.
89-20	071989	081189	POTENTIAL VIOLATION OF SECONDARY CONTAINMENT INTEGRITY DUE TO INTERLOCK DOOR STRIKE FAILURE.
89-21	080989	090689	INADVERTENT GROUP V PRIMARY CONTAINMENT ISOLATION TO DUE WIRE LUG FAILURE.

=====

1. Docket: 50-249 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. M. PARAMORE (815)942-2920

4. Licensed Thermal Power (Mwt): 809

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any: _____
NONE

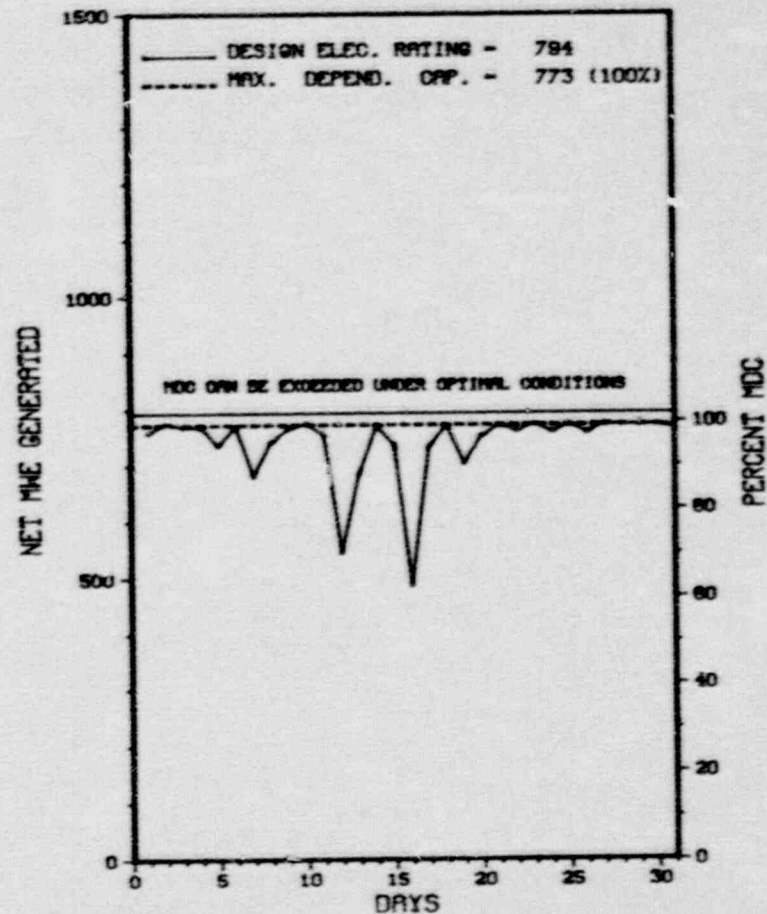
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>158,784.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,075.4</u>	<u>114,830.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,001.2</u>	<u>110,127.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,794,365</u>	<u>11,486,286</u>	<u>226,463,651</u>
18. Gross Elec Ener (MWH)	<u>577,185</u>	<u>3,691,857</u>	<u>73,080,196</u>
19. Net Elec Ener (MWH)	<u>549,875</u>	<u>3,517,492</u>	<u>69,254,816</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.8</u>	<u>69.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.8</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>95.6</u>	<u>78.0</u>	<u>56.4</u>
23. Unit Cap Factor (DER Net)	<u>93.1</u>	<u>76.0</u>	<u>54.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>11.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>229.1</u>	<u>9,693.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - DEC. 19, 1989 - 11 WEEK DURATION

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

 * DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DRESDEN 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

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

NONE

* SUMMARY *

DRESDEN 3 ENTERED AUGUST OPERATING AT APPROXIMATELY 780 MWE. THE UNIT OPERATED IN ECONOMIC GENERATION CONTROL OR AT LOADS REQUESTED BY THE LOAD DISPATCHER FOR THE REMAINDER OF THE MONTH.

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

* DRESDEN 3 *

FACILITY DATA

Report Period AUG 1989

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...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF MAY 30 THROUGH JULY 14 (89002, 89017, 89016): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUSLY IDENTIFIED INSPECTION ITEMS, LICENSE EVENTS REPORTS FOLLOWUP, ALLEGATIONS FOLLOWUP, PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCES, SAFETY ASSESSMENT/QUALITY VERIFICATION, RADIOLOGICAL CONTROLS, ENGINEERING/TECHNICAL SUPPORT, DRESDEN STATION MANAGEMENT ORGANIZATION AND REPORT REVIEW. ONE VIOLATION WAS IDENTIFIED DURING THIS INSPECTION PERIOD CONCERNING THE UNIT 2 EXCESSIVE DRYWELL TEMPERATURE EVENT OF OCTOBER 29, 1988. DURING THIS INSPECTION PERIOD, ONE REACTOR SCRAM OCCURRED FROM POWER. THIS ONE SCRAM WAS ATTRIBUTED TO DRIFTING MAIN STEAMLINE TEMPERATURE SWITCHES DURING A SURVEILLANCE TEST.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT CURRENTLY OPERATING AT REDUCED POWER DUE TO ELEVATED COOLING LAKE TEMPERATURE

LAST IE SITE INSPECTION DATE: 08/25/89

INSPECTION REPORT NO: 89017

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: L. MILLER (319) 851-7204

4. Licensed Thermal Power (Mwt): 1658

5. Nameplate Rating (Gross MWe): 565

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 565

8. Maximum Dependable Capacity (Net MWe): 538

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

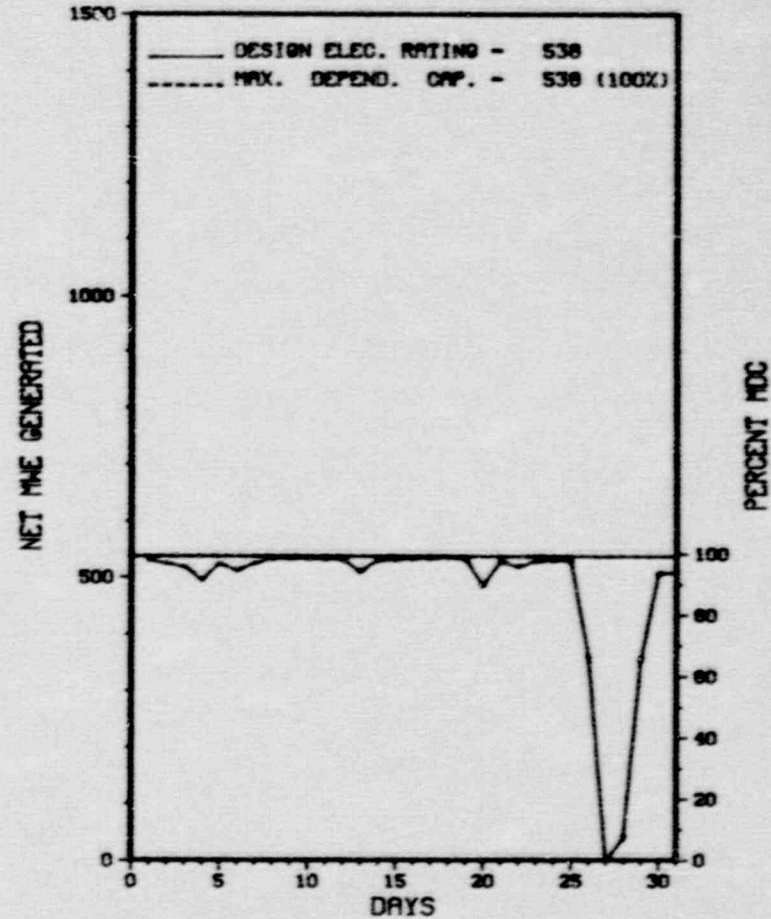
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>127,823.0</u>
13. Hours Reactor Critical	<u>700.3</u>	<u>5,288.2</u>	<u>92,211.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>172.8</u>
15. Hrs Generator On-Line	<u>690.4</u>	<u>5,001.0</u>	<u>89,642.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,116,518</u>	<u>7,556,915</u>	<u>117,566,547</u>
18. Gross Elec Ener (MWH)	<u>380,143</u>	<u>2,560,534</u>	<u>39,515,565</u>
19. Net Elec Ener (MWH)	<u>357,317</u>	<u>2,360,306</u>	<u>36,946,277</u>
20. Unit Service Factor	<u>92.8</u>	<u>85.8</u>	<u>70.1</u>
21. Unit Avail Factor	<u>92.8</u>	<u>85.8</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>89.3</u>	<u>75.7</u>	<u>53.7</u>
23. Unit Cap Factor (DER Net)	<u>89.3</u>	<u>75.2</u>	<u>53.7</u>
24. Unit Forced Outage Rate	<u>7.2</u>	<u>10.5</u>	<u>14.1</u>
25. Forced Outage Hours	<u>53.6</u>	<u>588.5</u>	<u>14,638.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>MAINT/TESTING - SEPT. 15, 1989 - 3 WEEK DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DUANE ARNOLD



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	08/26/89	F	53.6	H	3	89-011		REACTOR SCRAMMED DUE TO AN INVALID SIGNAL GENERATED BY A TEST OF TURBINE GENERATOR LOAD UNBALANCE CIRCUITRY.

 * SUMMARY *

 DUANE ARNOLD INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* DUANE ARNOLD *

FACILITY DATA

Report Period AUG 1989

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 THROUGH JULY 7 (89010): A SPECIAL INSPECTION BY REGION BASED INSPECTORS OF THE SEPARATION REQUIREMENTS FOR SINGLE FAILURE CRITERION OF THE STEAM LEAK DETECTION SYSTEM. TWO VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION. THE FIRST VIOLATION PERTAINED TO EXAMPLES OF THE LICENSEE'S FAILURE TO FOLLOW PROCEDURES. THE SECOND VIOLATION PERTAINED TO THE LICENSEE'S FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION IN REGARDS TO REACTOR RECIRCULATION PUMP OVERSPEED CONDITIONS. ONE UNRESOLVED ITEM WAS IDENTIFIED. IT PERTAINED TO WHETHER THE THERMOCOUPLE WIRES FOR THE TEMPERATURE SWITCHES IN THE SLD SYSTEM HAD TO MEET THE SINGLE FAILURE CRITERION AND WHETHER BURNOUT PROTECTION IS AN ACCEPTABLE ALTERNATIVE TO PHYSICAL SEPARATION.

INSPECTION ON JUNE 3 THROUGH JULY 21 (89011): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE EVENTS AND EVENT REPORTS FOLLOWUP; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; BALANCE OF PLANT; PLANT TRIPS; REGIONAL REQUESTS; REPORT REVIEW; AND MANAGEMENT MEETINGS. DURING THIS INSPECTION PERIOD, THE PLANT OPERATED NEAR FULL POWER EXCEPT FOR PERIODIC POWER REDUCTIONS FOR MAINTENANCE, SURVEILLANCE TESTING AND LOAD FOLLOWING. THE ONGOING DROUGHT CONDITIONS REQUIRED THE LICENSEE TO DIVERT WATER FOR EIGHT DAYS FROM THE PLEASANT CREEK RESERVOIR TO THE CEDAR RIVER. THE PLANT ALSO EXPERIENCED, ON A FEW OCCASIONS, THE NEED TO REDUCE REACTOR POWER DUE TO DECREASING CONDENSER VACUUM CREATED BY HIGH AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS. DURING THIS PERIOD, THE LICENSEE EXPERIENCED A REACTOR SCRAM DUE TO A SECURITY GUARD KEYING HIS RADIO TRANSMITTER (WALKIE-TALKIE) NEAR AN INSTRUMENT RACK. ALSO, SEVERAL ISSUES WERE FOLLOWED: DIVISION OF REACTOR SAFETY (DRS) REACTOR INSPECTORS WERE ONSITE TO REVIEW RESIDENT INSPECTORS CONCERNS REGARDING THE STEAM LEAK DETECTION CIRCUITRY AND SINGLE FAILURE CRITERIA (IR 50-331/89010(DRS)); BALANCE OF PLANT (BOP) INSPECTION; AND SEISMIC QUALIFICATION OF STEAM TUNNEL TEMPERATURE SWITCHES (TIS-4444, 4446). NO VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION PERIOD.

INSPECTION SUMMARY

INSPECTION ON JUNE 19-23 (89013): ROUTINE UNANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSIS (IP 84750; 84725); (2) PLANT CHEMISTRY ORGANIZATION, MANAGEMENT CONTROLS, POST ACCIDENT SAMPLING AND AUDITS (IP 84750); (3) NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS (IP 79701); AND (4) THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) (IP 84750). RADIOCHEMICAL CONFIRMATORY MEASUREMENTS WERE GOOD. LABORATORY QA/QC PROGRAMS WERE IMPROVING AND THE NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS WERE GOOD. THE REMP WAS OPERATING SATISFACTORILY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 24-28 AND AUGUST 3-4 (89015): ROUTINE, ANNOUNCED SAFETY INSPECTION OF THE IMPLEMENTATION OF INSERVICE TESTING OF PUMPS AND VALVES (IST) (73756), AN ONSITE REVIEW OF A LICENSEE EVENT REPORT (LER) FOR INADEQUATE WELDING QUALIFICATION ON THE REMOTE SHUTDOWN PANEL (92700) AND A REVIEW OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS (73756). WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED. DURING THE COURSE OF THE INSPECTION, THE FOLLOWING WAS NOTED: BASED ON THE AREAS REVIEWED, THE LICENSEE APPEARS TO HAVE AN EFFECTIVE SET OF PROCEDURES FOR PUMP AND VALVE TESTING ACTIVITIES. THE PROCEDURES ARE FOLLOWED DURING THE JOB, PERFORMANCE IS DOCUMENTED, AND RECORDS ARE PROPERLY ANALYZED, TRENDED AND STORED. THE LICENSEE INITIATED CORRECTIVE ACTION TO REPAIR THE REMOTE SHUTDOWN PANEL AND IMPLEMENTED QUALITY PROGRAM CHANGES TO THE PROCUREMENT PROCEDURES WHICH APPEAR ADEQUATE TO PREVENT RECURRENCE OF THE DISCREPANCY.

INSPECTION ON AUGUST 14-17 (89017): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM: OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM (IP 82701); EMERGENCY DETECTION AND CLASSIFICATION (IP 82201); PROTECTIVE ACTION DECISIONMAKING (IP 82202); SHIFT STAFFING AND AUGMENTATION (IP 82205); EMERGENCY PLAN ACTIVATIONS (IP 92700); AND FOLLOWUP ON TWO OPEN ITEMS (IP 92701). THE INSPECTION INVOLVED ONE NRC INSPECTOR. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION. THE REVISED AND ENLARGED EMERGENCY PLANNING GROUP, WITH STRONG MANAGEMENT SUPPORT, HAS DEMONSTRATED A POSITIVE AND AGGRESSIVE POSTURE FOR EMERGENCY PREPAREDNESS (EP) ACTIVITIES. OFFSITE TRAINING OF LOCAL, COUNTY AND STATE REPRESENTATIVES WITH EMERGENCY RESPONSE FUNCTIONS CONTINUES TO BE A MAJOR EFFORT. MEANWHILE, ONSITE EP ACTIVITIES ARE BEING ADDRESSED. THE EP PROGRAM HAS DEFINITELY IMPROVED IN SCOPE AND DEPTH AS DEMONSTRATED IN THIS INSPECTION.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS OR PROCEDURES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS OR PROCEDURES. CONTRARY TO THE ABOVE, THE FOLLOWING INSTANCES OF FAILURE TO FOLLOW PROCEDURES WERE IDENTIFIED: (A) SAFETY-RELATED TEMPERATURE SWITCHES WITH ADDITIONAL DESIGN FEATURES WERE INSTALLED IN THE HPCI AND RCIC SYSTEMS WITHOUT INITIATING AN ENGINEERING WORK REQUEST (EWR) AS REQUIRED BY PROCEDURE NO. 1203.00, "DESIGN CHANGE PROGRAM." AS A RESULT, NO SAFETY EVALUATION WAS PREPARED AS REQUIRED BY PROCEDURE NO. 1203.27, "10 CFR 50.59 SAFETY EVALUATIONS FOR DESIGN CHANGES." (B) THE TIME DELAY IN THE HPCI AND RCIC STEAM LEAK DETECTION (SLD) SYSTEM WAS INCREASED FROM 1 SECOND TO 3.0 PLUS OR MINUS 0.5 SECONDS WITHOUT INITIATING AN EWR AS REQUIRED BY PROCEDURE NO. 1203.00. AS A RESULT, NO SAFETY EVALUATION WAS PREPARED AS REQUIRED BY PROCEDURE NO. 1203.27. (C) DOCUMENT CHANGE FORMS (DCFS) NO. 89-T-0117 AND NO. 89-T-0101 WHICH TEMPORARILY CHANGED SURVEILLANCE PROCEDURE NO. STP-42B026-A CONTAINED AN INADEQUATE 10 CFR 50.59 APPLICABILITY REVIEW. PROCEDURE NO. 1402.4, "10 CFR 50.59 APPLICABILITY REVIEW OF PLANT PROCEDURE CHANGES, TEMPORARY MODIFICATIONS, AND ENGINEERED MAINTENANCE ACTIONS," REQUIRES A 10 CFR 50.59 SAFETY EVALUATION TO BE WRITTEN IF A CHANGE CAUSES THE DESCRIPTION IN THE UFSAR TO BE INACCURATE. IN THIS CASE, NO WRITTEN 10 CFR 50.59 SAFETY EVALUATION WAS PERFORMED WHEN THE PRIMARY CONTAINMENT ISOLATION/NUCLEAR STEAM SUPPLY SHUTOFF SYSTEM WAS MODIFIED. 10 CFR 50, APPENDIX B, CRITERION XVI, REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, AND DEVIATIONS ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN. CONTRARY TO THE ABOVE, ON MARCH 3 AND 30, 1989, DURING SLD SYSTEM SURVEILLANCE TESTING, ELECTROMAGNETIC INTERFERENCE CAUSED THE REACTOR RECIRCULATION PUMPS TO OVERSPEED. HOWEVER, THE LICENSEE DID NOT TAKE CORRECTIVE ACTION TO DOCUMENT OR ISSUE A TEMPORARY PROCEDURE CHANGE TO LOCK OUT THE RECIRCULATION PUMPS DURING SUBSEQUENT SLD SURVEILLANCE TESTING.

DUANE ARNOLD (89014)

OTHER ITEMS

Report Period AUG 1989

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

* DUANE ARNOLD *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: 08/29/89

INSPECTION REPORT NO: 89019

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
--------	------------------	-------------------	---------

=====

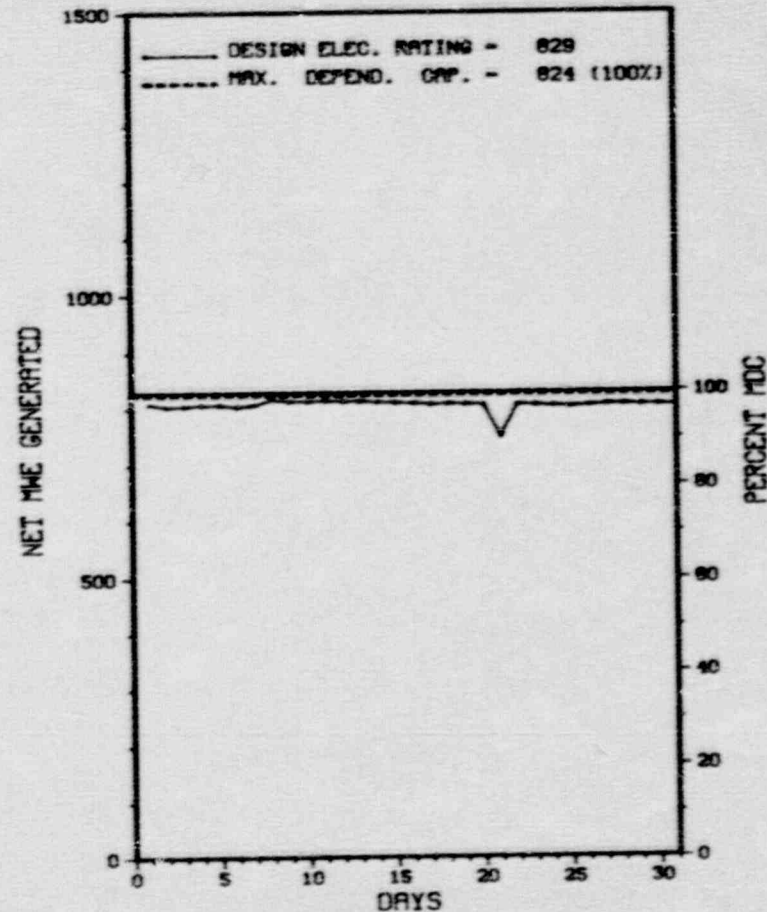
THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-348 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: D. N. MOREY (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): 866
8. Maximum Dependable Capacity (Net MWe): 824
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>103,007.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>78,476.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>77,020.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,969,301</u>	<u>15,362,933</u>	<u>196,946,153</u>
18. Gross Elec Ener (MWH)	<u>631,506</u>	<u>4,991,860</u>	<u>63,297,006</u>
19. Net Elec Ener (MWH)	<u>599,426</u>	<u>4,741,100</u>	<u>59,818,510</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>74.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>98.7</u>	<u>72.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.2</u>	<u>98.1</u>	<u>70.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,873.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING/MAINT - SEPT 15, 1989 - 6 WEEK DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED ROUTINELY DURING AUGUST 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)

* FARLEY 1 *

FACILITY DATA

Report Period AUG 1989

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 APRIL 24-27 AND MAY 8-12 (89-10): THIS SPECIAL, ANNOUNCED INSPECTION CONSISTED OF AN INDEPTH TEAM INSPECTION OF THE MAINTENANCE PROGRAM AND ITS IMPLEMENTATION. NRC TEMPORARY INSTRUCTION 2515/97 ISSUED NOVEMBER 3, 1988, WAS USED AS GUIDANCE FOR THIS INSPECTION. OVERALL, THE MAINTENANCE PROGRAM WAS JUDGED TO BE SATISFACTORY WITH GOOD IMPLEMENTATION. AREAS OF STRENGTH AND WEAKNESS ARE HIGHLIGHTED IN THE EXECUTIVE SUMMARY WITH DETAILS PROVIDED IN THE REPORT. ONE VIOLATION WAS IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED RELATED TO ADEQUACY OF VENDOR DRAWING MANUAL CONTROL PROGRAM.

INSPECTION JULY 11 - JULY 31 (89-16): THIS ROUTINE ONSITE INSPECTION INVOLVED A REVIEW OF OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, AND MONTHLY MAINTENANCE OBSERVATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS AND DEVIATIONS WERE IDENTIFIED. CERTAIN TOURS WERE CONDUCTED ON DEEP BACKSHIFT OR WEEKENDS, THESE TOURS WERE CONDUCTED ON JULY 13 (DEEP BACKSHIFT INSPECTIONS OCCUR BETWEEN 10:00 P.M. AND 5:00 A.M.).

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, NRC IDENTIFIED FOUR EXAMPLES WHERE PROCEDURES WERE NOT FOLLOWED OR AN ADEQUATE PROCEDURE WAS NOT ESTABLISHED. THE EXAMPLES INCLUDED: (A) FAILURE TO CALIBRATE DC CIRCUIT BREAKERS DUE TO AN ERRONEOUS DELETION OF THE REQUIREMENT FROM PROCEDURE FNP-O-MP-28.116; (B) TWO STEPS ON AN AUXILIARY FEEDWATER PUMP MAINTENANCE PROCEDURE WERE SIGNED-OFF BUT NOT PERFORMED; (C) ORIFICE PLATES FOR FLOW ELEMENT WERE NOT INSTALLED CORRECTLY BECAUSE OF INADEQUATE PROCEDURES; AND (D) AN INCORRECT

Report Period AUG 1989

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

* FARLEY 1 *

ENFORCEMENT SUMMARY

PROCEDURE WAS USED FOR WELDING REPAIRS ON A FIRE DOOR. CONTRARY TO FACILITY OPERATING LICENSE NOS. NPF-2 AND NPF-8, SECTIONS 2.5.(4), ON APRIL 29, 30, AND MAY 1, 1989, LICENSEE PERSONNEL AFFIXED BYPRODUCT MATERIAL TO UNITED STATES CURRENCY IN AN EFFECT TO IDENTIFY ANTICIPATED THEFT OF THE CURRENCY, A USE OF BYPRODUCT MATERIAL NOT AUTHORIZED BY THE OPERATING LICENSES. CONTRARY TO TS 6.11 AND PLANT PROCEDURE FNP-O-M-001, HEALTH PHYSICS MANUAL, SECTION 4.1.1.7, ON MAY 7, 1989, A PLANT OPERATOR WAS OBSERVED BY A RESIDENT NRC INSPECTOR ENTERING AN AREA POSTED AS A HIGH RADIATION AREA WITHOUT A REQUIRED DIGITAL ALARMING DOSIMETER OR A HEALTH PHYSICS TECHNICIAN WITH A DOSE RATE INSTRUMENT, WHO WILL SURVEY THE WORK AREA AT THE START OF WORK AND PERIODICALLY THEREAFTER.

FARLEY 1 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, 1989 +

INSPECTION REPORT NO: 50-348/89-21 +

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
NONE.			

=====

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. N. MOREY (205)899-5156

4. Licensed Thermal Power (MMt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 870

8. Maximum Dependable Capacity (Net MWe): 830

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

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

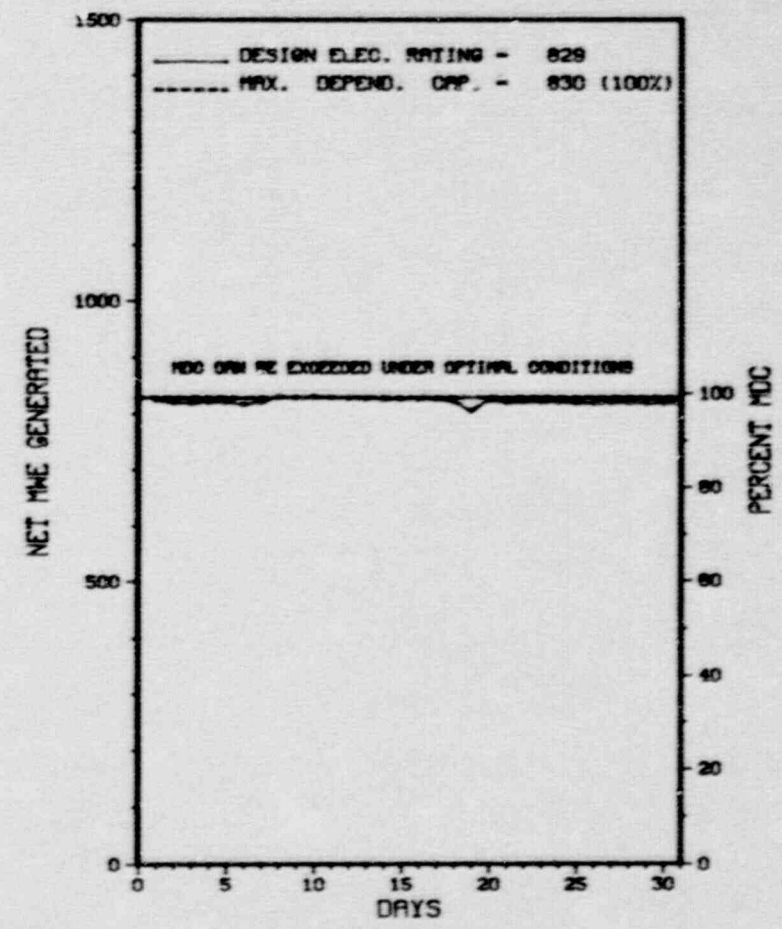
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>70,920.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,442.3</u>	<u>61,114.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,332.4</u>	<u>60,364.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,971,608</u>	<u>10,956,565</u>	<u>154,773,049</u>
18. Gross Elec Ener (MWH)	<u>642,834</u>	<u>3,590,000</u>	<u>50,325,364</u>
19. Net Elec Ener (MWH)	<u>612,422</u>	<u>3,394,296</u>	<u>47,719,582</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.3</u>	<u>85.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.3</u>	<u>85.1</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>70.1</u>	<u>81.1</u>
23. Unit Cap Factor (DER Net)	<u>99.3</u>	<u>70.2</u>	<u>81.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>4.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>124.8</u>	<u>2,815.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

NONE

* SUMMARY *

FARLEY 2 OPERATED ROUTINELY DURING AUGUST 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-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* FARLEY 2 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
DOTHAN, ALA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 5, 1981

DATE ELEC ENER 1ST GENER...MAY 25, 1981

DATE COMMERCIAL OPERATE....JULY 30, 1981

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203

CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-364

LICENSE & DATE ISSUANCE....NPF-8, MARCH 31, 1981

PUBLIC DOCUMENT ROOM.....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 APRIL 24-27 AND MAY 8-12 (89-10): THIS SPECIAL, ANNOUNCED INSPECTION CONSISTED OF AN INDEPTH TEAM INSPECTION OF THE MAINTENANCE PROGRAM AND ITS IMPLEMENTATION. NRC TEMPORARY INSTRUCTION 2515/97 ISSUED NOVEMBER 3, 1988, WAS USED AS GUIDANCE FOR THIS INSPECTION. OVERALL, THE MAINTENANCE PROGRAM WAS JUDGED TO BE SATISFACTORY WITH GOOD IMPLEMENTATION. AREAS OF STRENGTH AND WEAKNESS ARE HIGHLIGHTED IN THE EXECUTIVE SUMMARY WITH DETAILS PROVIDED IN THE REPORT. ONE VIOLATION WAS IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED RELATED TO ADEQUACY OF VENDOR DRAWING MANUAL CONTROL PROGRAM.

INSPECTION JULY 11 - JULY 31 (89-16): THIS ROUTINE ONSITE INSPECTION INVOLVED A REVIEW OF OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, AND MONTHLY MAINTENANCE OBSERVATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS AND DEVIATIONS WERE IDENTIFIED. CERTAIN TOURS WERE CONDUCTED ON DEEP BACKSHIFT OR WEEKENDS, THESE TOURS WERE CONDUCTED ON JULY 13 (DEEP BACKSHIFT INSPECTIONS OCCUR BETWEEN 10:00 P.M. AND 5:00 A.M.).

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, NRC IDENTIFIED FOUR EXAMPLES WHERE PROCEDURES WERE NOT FOLLOWED OR AN ADEQUATE PROCEDURE WAS NOT ESTABLISHED. THE EXAMPLES INCLUDED: (A) FAILURE TO CALIBRATE DC CIRCUIT BREAKERS DUE TO AN ERRONEOUS DELETION OF THE REQUIREMENT FROM PROCEDURE FNP-0-MP-28.116; (B) TWO STEPS ON AN AUXILIARY FEEDWATER PUMP MAINTENANCE PROCEDURE WERE SIGNED-OFF BUT NOT PERFORMED; (C) ORIFICE PLATES FOR FLOW ELEMENT WERE NOT INSTALLED CORRECTLY BECAUSE OF INADEQUATE PROCEDURES; AND (D) AN INCORRECT

Report Period AUG 1989

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

* FARLEY 2 *

ENFORCEMENT SUMMARY

PROCEDURE WAS USED FOR WELDING REPAIRS ON A FIRE DOOR. CONTRARY TO FACILITY OPERATING LICENSE NOS. NPF-2 AND NPF-8, SECTIONS 2.B.(4), ON APRIL 29, 30, AND MAY 1, 1989, LICENSEE PERSONNEL AFFIXED BYPRODUCT MATERIAL TO UNITED STATES CURRENCY IN AN EFFECT TO IDENTIFY ANTICIPATED THEFT OF THE CURRENCY, A USE OF BYPRODUCT MATERIAL NOT AUTHORIZED BY THE OPERATING LICENSES. CONTRARY TO TS 6.11 AND PLANT PROCEDURE FNP-O-M-001, HEALTH PHYSICS MANUAL, SECTION 4.1.1.7, ON MAY 7, 1989, A PLANT OPERATOR WAS OBSERVED BY A RESIDENT NRC INSPECTOR ENTERING AN AREA POSTED AS A HIGH RADIATION AREA WITHOUT A REQUIRED DIGITAL ALARMING DOSIMETER OR A HEALTH PHYSICS TECHNICIAN WITH A DOSE RATE INSTRUMENT, WHO WILL SURVEY THE WORK AREA AT THE START OF WORK AND PERIODICALLY THEREAFTER.

FARLEY 2 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, 1989 +

INSPECTION REPORT NO: 50-364/89-21 +

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
NONE.			

1. Docket: 50-341 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 3292

5. Nameplate Rating (Gross MWe): 1154

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>744.0</u>	<u>5,831.0</u>	<u>14,077.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,541.0</u>	<u>10,563.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,219.1</u>	<u>9,940.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,270.160</u>	<u>15,701,190</u>	<u>28,730,642</u>
18. Gross Elec Ener (MWH)	<u>735,540</u>	<u>5,294,244</u>	<u>9,572,337</u>
19. Net Elec Ener (MWH)	<u>704,932</u>	<u>5,070,766</u>	<u>9,152,900</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.5</u>	<u>70.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.5</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>86.7</u>	<u>79.6</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>86.7</u>	<u>79.6</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.5</u>	<u>18.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>611.9</u>	<u>2,190.4</u>

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

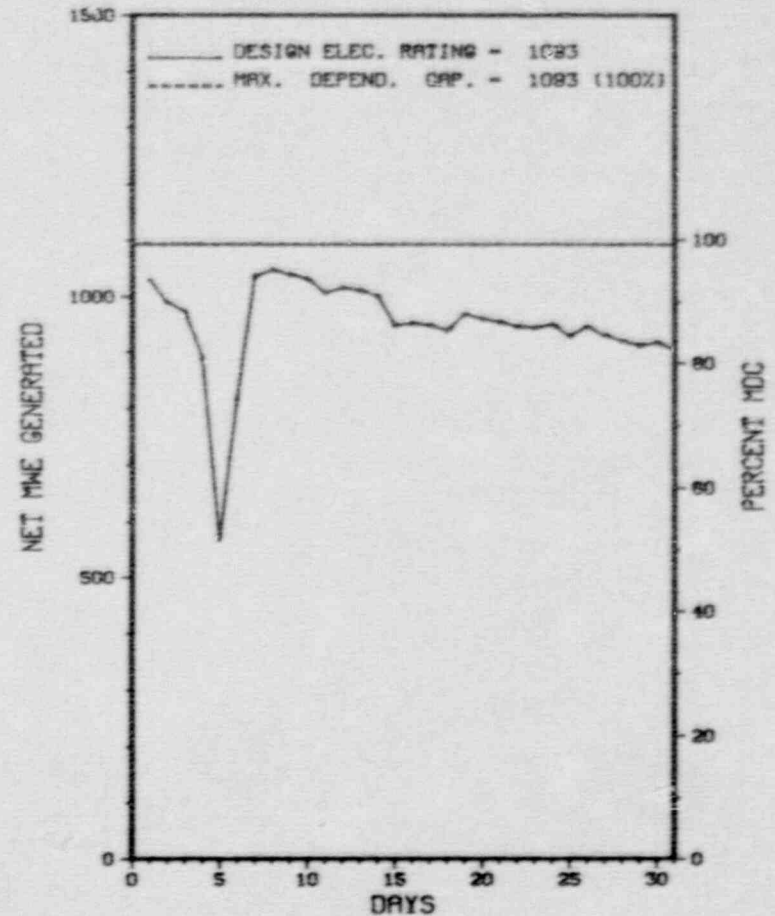
REFUELING - SEPT 8, 1989 - 75 DAY DURATION.

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

* F E R M I 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

F E R M I 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * FERM I 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-010	08/05/89	S	0.0	B	5		AD	DRW	REDUCED POWER TO APPROXIMATELY 85% TO PERFORM CONTROL ROD DRIVE AND TURBINE VALVE TESTING/SURVEILLANCES. DURING THIS TIME, THE HEATER DRAINS WERE LOST WHICH CAUSED A RECIRCULATION RUNBACK TO 59%. MAINTENANCE WAS PERFORMED ON HEATER DRAINS.

 * SUMMARY *

 FERM I 2 INCURRED ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* FERM I 2 *

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

Report Period AUG 1989

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 GENER...SEPTEMBER 21, 1986
DATE COMMERCIAL OPERATE...JANUARY 23, 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.....J. STANG
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 BETWEEN FEBRUARY 25 AND JUNE 23 (89012): INCLUDED REVIEW OF THREE ALLEGATIONS PERTAINING TO SECURITY OPERATIONS AT THE ENRICO FERMI ATOMIC POWER PLANT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS INSPECTED, EXCEPT FOR ISSUES DESCRIBED AS "LICENSEE IDENTIFIED" ITEMS.

INSPECTION ON MAY 31 THROUGH JUNE 2, AND JUNE 26-31 (89016): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE CORRECTIVE ACTIONS INITIATED FOR THE ISSUES IDENTIFIED IN ITS SELF-INITIATED SAFETY SYSTEMS FUNCTIONAL INSPECTION (SSFI) OF THE HIGH PRESSURE COOLANT INJECTION (HPCI) SYSTEM. THE INSPECTION WAS PERFORMED BASED ON SELECTED PORTIONS OF NRC INSPECTION PROCEDURES 90713 AND 30703. LICENSEE EFFORT IN CONDUCTING THE SSFI FOR THE HPCI SYSTEM, AND FOLLOWUP ON THE ISSUES IDENTIFIED WAS GOOD. BASED ON THIS REVIEW AND EVALUATION, THE INSPECTOR DETERMINED THE FOLLOWING: THE SSFI REVIEW SCOPE WAS EXTENSIVE. THE LICENSEE HAD MADE COMMITMENTS WHICH WERE VERY RESPONSIVE TO THE ISSUES RAISED IN THE SSFI; ALTHOUGH IN SOME CASES, THE LICENSEE HAD NOT IMPLEMENTED THESE COMMITMENTS. THE LICENSEE'S PRESENT DESIGN CONTROL MEASURES HAVE SHOWN SIGNIFICANT IMPROVEMENT; HOWEVER, THERE COULD BE BETTER REFERENCING OF DESIGN BASIS DOCUMENTATION WITHIN A CALCULATION.

INSPECTION ON JUNE 6 THROUGH JULY 24 (89018): ACTION ON PREVIOUS INSPECTION FINDINGS; FOLLOW-UP OF EVENTS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LER FOLLOW-UP; ALLEGATION FOLLOW-UP; DET REVIEW; PREPARATIONS FOR REFUELING; REGIONAL REQUESTS; AND MANAGEMENT MEETINGS. ADDITIONAL EXAMPLES OF CONSTRUCTION DEFICIENCIES WERE IDENTIFIED DURING THE INSPECTION PERIOD REINFORCING THE NEED FOR A SYSTEMATIC REVIEW OF ALL IMPRTANT-TO-SAFETY (ITS) EQUIPMENT/FUNCTIONS. ALSO, PRODUCTION ORGANIZATION PERSONNEL MADE INAPPROPRIATE DECISIONS ON ITS EQUIPMENT DUE TO A LACK OF DESIGN BASES KNOWLEDGE EMPHASIZING THE NEED FOR A BROAD DISSEMINATION OF THE ITS SYSTEMATIC REVIEW. DURING THE INSPECTION PERIOD, OPERATIONS PERSONNEL HANDLED ALL TRANSIENT EVENTS IN A

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* FERM2 *

INSPECTION SUMMARY

PROFESSIONAL MANNER, BUT SOME MINOR DEFICIENCIES IN HANDLING ROUTINE ADMINISTRATIVE FUNCTIONS WERE NOTED. FUEL RECEIPT INSPECTION WAS GENERALLY HANDLED WELL. CONTINUED EXAMPLES OF UNTIMELY RESOLUTION OF DEVIATION EVENT REPORTS WERE OBSERVED. THE PRESENT DRAWING CONTROL SYSTEM PLACES A SIGNIFICANT BURDEN ON THE PRODUCTION ORGANIZATION TO MAINTAIN THE AS-BUILT STATUS. THIS BURDEN INCREASES THE LIKELIHOOD OF USING AN OUT-OF-DATE DRAWING. TWO UNRESOLVED ITEMS WERE IDENTIFIED AND SEVEN OPEN ITEMS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS CURRENTLY IN ITS FIRST REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: 06/15/89

INSPECTION REPORT NO: 89019

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-15	070789	080789	LOSS OF POWER TO DIVISION I REACTOR PROTECTION SYSTEM DUE TO OVERVOLTAGE ON THE MOTOR GENERATOR.
89-16	071189	081089	RESIDUAL HEAT REMOVAL SERVICE WATER COOLING TOWER FAN BRAKE INOPERABLE DUE TO LOW NITROGEN PRESSURE.

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 757

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

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

11. Reasons for Restrictions, If Any:
NONE

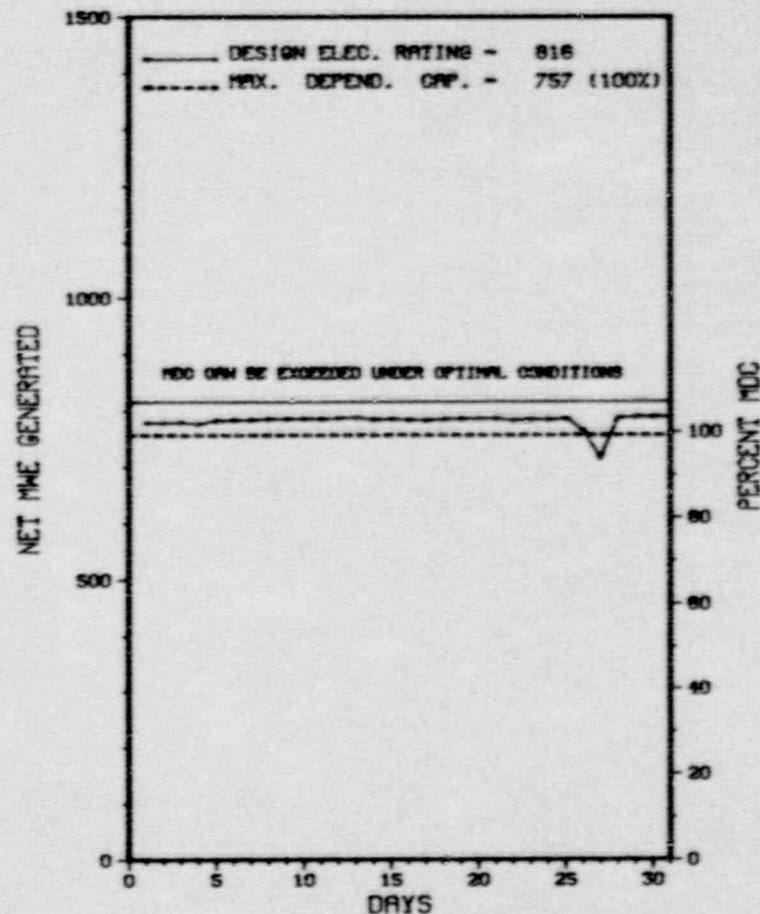
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>123,576.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>91,544.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>89,030.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,804,368</u>	<u>14,036,856</u>	<u>194,633,140</u>
18. Gross Elec Ener (MWH)	<u>602,020</u>	<u>4,786,220</u>	<u>65,908,940</u>
19. Net Elec Ener (MWH)	<u>582,025</u>	<u>4,622,185</u>	<u>63,757,530</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>72.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>103.3</u>	<u>104.7</u>	<u>66.5*</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>97.1</u>	<u>63.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.3</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):
MAINTENANCE - SEPT 16, 1989 - 20 DAY DURATION

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

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FITZPATRICK



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

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

NONE

* SUMMARY *

FITZPATRICK OPERATED ROUTINELY DURING AUGUST 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 AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....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.....D. LABARGE
DOCKET NUMBER.....50-333
LICENSE & DATE ISSUANCE...DPR-59, OCTOBER 17, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - GOVERNMENT DOCUMENTS COL
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period AUG 1989

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

* FITZPATRICK *

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.			

=====

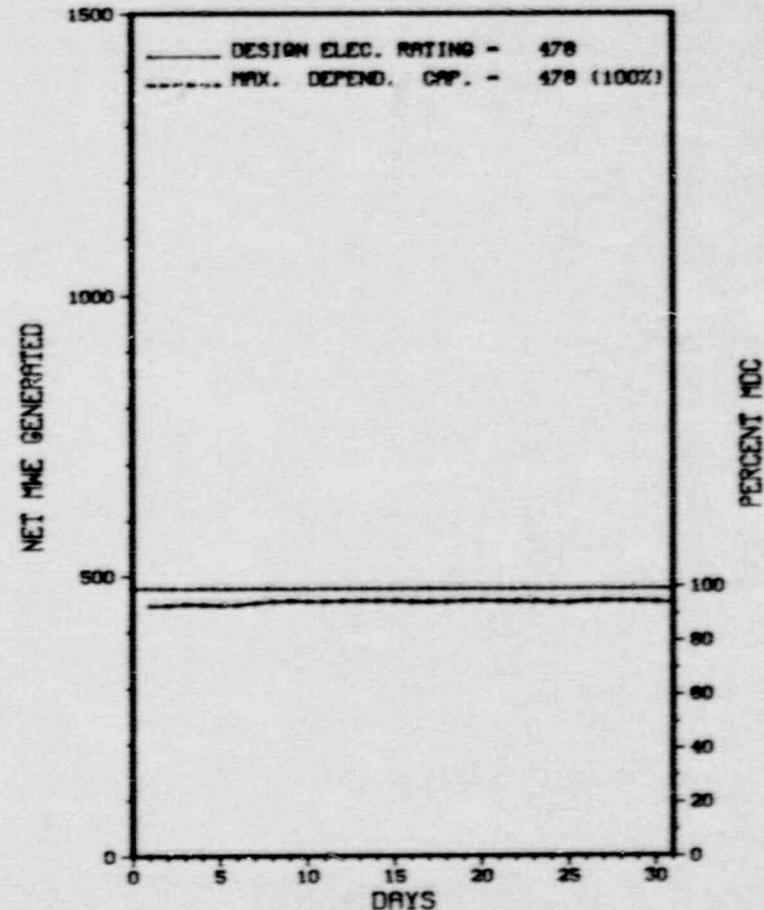
1. Docket: 50-285 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: B. E. STANLEY (402) 636-2456
4. Licensed Thermal Power (MWT): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502
6. Design Electrical Rating (Net MWe): 478
7. Maximum Dependable 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>744.0</u>	<u>5,831.0</u>	<u>139,680.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,988.8</u>	<u>109,058.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,509.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,771.3</u>	<u>107,136.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,111,876</u>	<u>6,739,926</u>	<u>139,610,900</u>
18. Gross Elec Ener (MWH)	<u>354,530</u>	<u>2,174,174</u>	<u>46,230,157</u>
19. Net Elec Ener (MWH)	<u>337,473</u>	<u>2,067,941</u>	<u>43,839,429</u>
20. Unit Service Factor	<u>100.0</u>	<u>81.8</u>	<u>76.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>81.8</u>	<u>76.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.9</u>	<u>74.2</u>	<u>67.9*</u>
23. Unit Cap Factor (DER Net)	<u>94.9</u>	<u>74.2</u>	<u>65.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.5</u>	<u>2.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>174.0</u>	<u>2,031.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

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

NONE

* SUMMARY *

FORT CALHOUN OPERATED ROUTINELY DURING AUGUST 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)

* FORT CALHOUN 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....P. HARRELL
LICENSING PROJ MANAGER.....A. BOURNIA
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 JULY 24-28, 1989 (89-30) ROUTINE, UNANNOUNCED INSPECTION OF THE IMPLEMENTATION OF CORRECTIVE ACTIONS IN RESPONSE TO NRC BULLETIN 87-02 CONCERNING FASTENER TESTING AND THE REVIEW OF PROCEDURES/CONTROLS ESTABLISHED TO ASSURE IMPLEMENTATION OF 10 CFR PART 21 REQUIREMENTS. IN GENERAL, THE LICENSEE'S DOCUMENTATION FILES REFLECTED RESPONSIVENESS TO BULLETIN 87-02 AND SUBSEQUENT SUPPLEMENTS 1 AND 2. TESTS PERFORMED ON SELECTED SAFETY-RELATED FASTENERS INDICATED ALL SAMPLES MET THE SPECIFIC MATERIAL SPECIFICATION REQUIREMENTS AND THEREFORE, NO CORRECTIVE ACTION BY THE LICENSEE WAS DEEMED NECESSARY. LABORATORY TEST CONDUCTED ON NONSAFETY, UNMARKED FASTENERS PRODUCED RESULTS IN NONCOMPLIANCE WITH SAE J 429 GRADE 5. THESE NONCOMPLIANCES WERE ATTRIBUTED TO PREVIOUS PURCHASING METHODS WHICH WERE WITHOUT SPECIFIC QA REQUIREMENTS AND/OR RECEIPT INSPECTION FOR NONSAFETY-RELATED FASTENERS. THE LICENSEE HAS REMOVED ALL UNIDENTIFIABLE FASTENERS FROM WAREHOUSE STOCK AND HAS REVISED PURCHASE ORDER AND RECEIVING INSPECTION PROCEDURES TO PRECLUDE RECURRENCES. THE LICENSEE'S EVALUATION CONCLUDED THAT NO FAILURES OF FASTENERS HAVE OCCURRED IN 15 YEARS OF PLANT OPERATIONS, AND THE LIKELIHOOD OF A NONSAFETY FASTENER FAILURE IN A NONSAFETY SYSTEM, CREATING A SIGNIFICANT SAFETY-RELATED OPERABILITY PROBLEM, IS REMOTE. THUS, THE LICENSEE'S EFFORT TO IDENTIFY ALL POSSIBLE LOCATIONS WHERE THE UNMARKED FASTENERS MAY HAVE BEEN USED IS NOT WARRANTED. THE LICENSEE'S ESTABLISHED IMPLEMENTING PROCEDURES AND CONTROLS TO ENSURE THE REPORTING OF DEFECTS AND NONCOMPLIANCES APPEAR TO BE ADEQUATE TO ASSURE IMPLEMENTATION OF 10 CFR 21 REQUIREMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JULY 24-27, 1989 (89-31) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM. THE AREAS INSPECTED WITHIN THE PHYSICAL SECURITY PROGRAM INCLUDED TRAINING AND QUALIFICATIONS, ACCESS CONTROL FOR PERSONNEL AND PACKAGES, PROTECTION OF SAFEGUARDS INFORMATION, AND COMPENSATORY MEASURES. WITHIN THE PROGRAM AREAS INSPECTED, THREE APPARENT VIOLATIONS WERE IDENTIFIED (INADEQUATE ACCESS CONTROL-PACKAGES, PARAGRAPH 2; INADEQUATE PROTECTION OF SAFEGUARDS INFORMATION; AND

INSPECTION SUMMARY

INADEQUATE COMPENSATORY MEASURES). THE LICENSEE IS IN THE PROCESS OF UPGRADING THE ENTIRE SECURITY PROGRAM. THE UPGRADE EFFORT IS SIMILAR IN MAGNITUDE TO A NEW PLANT UNDER CONSTRUCTION. A NEW SECURITY MANAGEMENT STAFF HAS BEEN HIRED AT THE SAME TIME THAT MANY NEW SECURITY OFFICERS HAVE BEEN HIRED, TRAINED, AND PUT ON SHIFT. THESE NEW SECURITY OFFICERS ARE INEXPERIENCED EVEN THOUGH THEY APPEAR TO HAVE BEEN WELL TRAINED. ALL OF THESE FACTORS CONTRIBUTE TO THE PROBLEMS DOCUMENTED IN THIS REPORT. IN THE OPINION OF THE INSPECTOR, THE LICENSEE'S SECURITY ORGANIZATION IS STAFFED WITH MANAGEMENT PERSONNEL EXPERIENCED IN NUCLEAR SECURITY. UPON COMPLETION OF THE SECURITY UPGRADE, ALONG WITH ACQUIRING MORE PLANT SPECIFIC EXPERIENCE, THE LICENSEE SHOULD BE CAPABLE OF PREVENTING THESE ISOLATED PROBLEMS. SEVERAL SIMILAR PROBLEMS WERE PREVIOUSLY IDENTIFIED IN NRC INSPECTION REPORT 50-285/89-10. WHILE THE VIOLATIONS IDENTIFIED IN THIS REPORT FALL IN THE SAME GENERAL CLASSIFICATION, THE SPECIFIC NATURE OF THE APPARENT VIOLATIONS ARE DIFFERENT THAN THOSE PREVIOUSLY IDENTIFIED. THE APPARENT VIOLATIONS APPEAR TO BE ISOLATED FAILURES AND NOT INDICATIVE OF PROGRAMMATIC WEAKNESSES.

ENFORCEMENT SUMMARY

CONTRARY TO THE IMPLEMENTATION OF 10 CFR 50, APP.B, CRITERION XVI, THE LICENSEE FAILED TO DOCUMENT AND REPORT A DEFICIENCY EXISTING ON RAW WATER INSTRUMENTATION.
FORT CALHOUN 1 (8902 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

THE LICENSEE EXPERIENCED A PROBLEM RELATED TO ELEVATED JACKET COOLING WATER TEMPERATURES IN EMERGENCY DIESEL GENERATORS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

100% POWER OPERATION.

LAST IE SITE INSPECTION DATE: JULY 28, 1989

INSPECTION REPORT NO: 50-285/89-30

Report Period AUG 1989

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

* FORT CALHOUN 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-016	06-16-89	07-17-89	AUXILIARY FEEDWATER PUMP FW-10 OUTSIDE DESIGN BASIS.
89-017	06-30-89	07-31-89	RAW WATER SYSTEM OUTSIDE ITS DESIGN BASIS.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. L. BLOCK (303)620-1180

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.

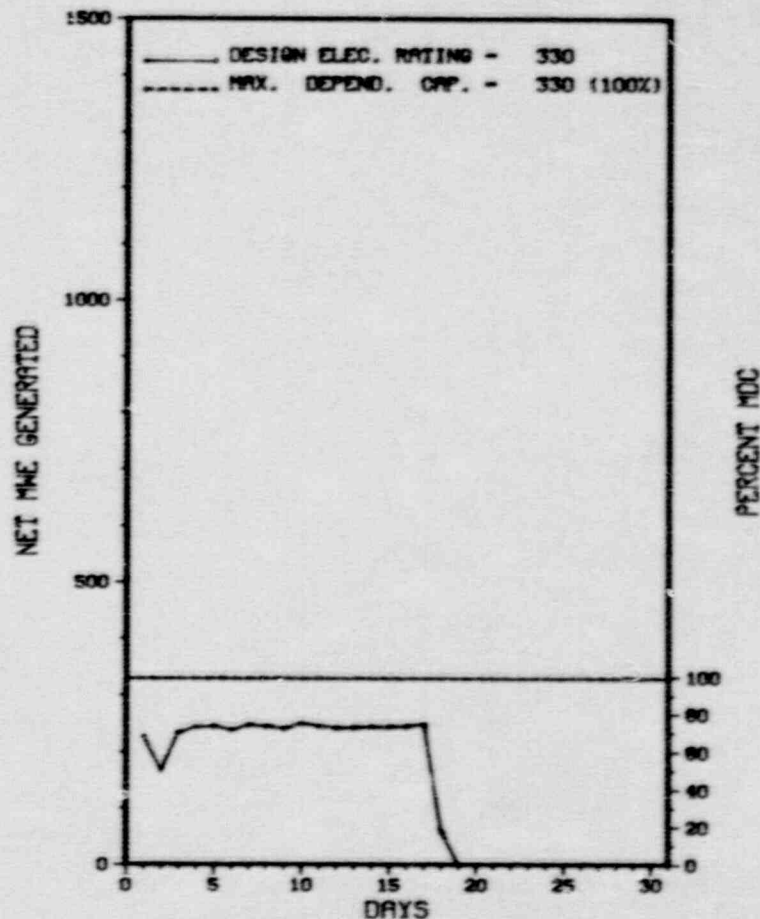
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>89,160.0</u>
13. Hours Reactor Critical	<u>423.9</u>	<u>3,331.9</u>	<u>40,531.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>418.5</u>	<u>2,704.6</u>	<u>27,772.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>272,875</u>	<u>1,562,939</u>	<u>14,298,726</u>
18. Gross Elec Ener (MWH)	<u>103,966</u>	<u>576,252</u>	<u>4,836,950</u>
19. Net Elec Ener (MWH)	<u>97,239</u>	<u>532,201</u>	<u>4,320,904</u>
20. Unit Service Factor	<u>56.3</u>	<u>46.4</u>	<u>31.1</u>
21. Unit Avail Factor	<u>56.3</u>	<u>46.4</u>	<u>31.1</u>
22. Unit Cap Factor (MDC Net)	<u>39.6</u>	<u>27.7</u>	<u>14.7</u>
23. Unit Cap Factor (DER Net)	<u>39.6</u>	<u>27.7</u>	<u>14.7</u>
24. Unit Forced Outage Rate	<u>43.8</u>	<u>52.7</u>	<u>60.6</u>
25. Forced Outage Hours	<u>325.5</u>	<u>3,014.2</u>	<u>42,683.7</u>

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

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

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT ST VRAIN



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-08	08/18/89	F	325.5	A	1	LER 89-015	AA	ROD	CONTROL ROD PAIR IN REGION 19 INCAPABLE OF MOVEMENT DUE TO A FAILED CLEVIS PIN. ROD PAIR WAS REMOVED & REPLACED (LER 89-015). ON AUGUST 25, 1989, NUMEROUS CRACKS WERE DISCOVERED IN THE MAIN STEAM RINGHEADERS ASSOCIATED WITH THE STEAM GENERATORS. THE CAUSE OF THE CRACKS IS UNDER INVESTIGATION. THE REPAIR EFFORT WAS CONSIDERED TOO EXTENSIVE TO JUSTIFY CONTINUED OPERATIONS. NUCLEAR OPERATIONS AT FORT ST. VRAIN WERE TERMINATED ON AUGUST 29, 1989, (LER 89-018).

 * SUMMARY *

 NUCLEAR OPERATIONS AT FORT ST. VRAIN WERE TERMINATED AUGUST 29, 1989. REPAIRS ASSOCIATED WITH THE STEAM GENERATOR AND OTHER PROBLEMS WERE CONSIDERED TOO EXTENSIVE TO JUSTIFY CONTINUED OPERATION OF THE PLANT.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....R. FARRELL
LICENSING PROJ MANAGER.....P. ERICKSON
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 MAY 22-26, 1989 (89-08) SPECIAL, ANNOUNCED TEAM INSPECTION OF OVERALL PLANT PERFORMANCE RELATED TO MAINTENANCE, MANAGEMENT SUPPORT OF MAINTENANCE, AND MAINTENANCE IMPLEMENTATION. SPECIFICALLY THE INSPECTION TEAM EVALUATED THE MAINTENANCE ACTIVITIES RELATED TO THE REACTOR WATER COOLING SYSTEM (SYSTEM 46). GENERAL: THE MATERIAL CONDITION OF SYSTEM 46 WAS GENERALLY GOOD, BUT THE OVERALL ROUTINE OPERATING CONDITIONS OF SYSTEM 46 WERE NOT WELL CONTROLLED BY THE LICENSEE. THE SYSTEM WAS OPERATED IN A MANNER TO MAINTAIN THE COOLING WATER TEMPERATURE WITHIN LIMITS. COOLING WATER FLOW RATES FOR 14 OF THE 36 TUBES WERE IN EXCESS OF THE HIGH FLOW ALARM SET POINTS. INSTRUMENT AND CONTROL (I&C): IN THE AREA OF I&C, THE CALIBRATION, FUNCTIONAL TESTING, AND MAINTENANCE OF THE INDIVIDUAL SYSTEM MONITORS APPEARED TO BE ACCEPTABLE. HOWEVER, THE INSPECTION REVEALED THAT THE LICENSEE DID NOT PERIODICALLY ASSESS THE SYSTEM FUNCTIONAL REQUIREMENTS (FLOWS, TEMPERATURES, LEVELS, PRESSURES, ETC..) AND ENSURE THAT ALL THE FUNCTIONS WERE ADEQUATELY MONITORED AND HAD BEEN FULLY TESTED AND RETESTED ON A ROUTINE BASIS. MECHANICAL: THE LICENSEE'S MAINTENANCE PROGRAM DID NOT INCLUDE PERIODIC TESTING OF RELIEF VALVE SET PRESSURES, OPERABILITY OF CHECK VALVES, OPERABILITY OF SYSTEM CROSS-CONNECT VALVES, SURGE TANK INTEGRITY, HEAT EXCHANGER PERFORMANCE, AND OTHER PREVENTIVE MAINTENANCE ITEMS. IMPLEMENTATION OF EXISTING PROGRAMS HAD BEEN ADEQUATE, BUT THE WORK INSTRUCTIONS WERE POOR. ELECTRICAL: THE LICENSEE'S MAINTENANCE PROGRAM DID NOT INCLUDE PREVENTIVE MAINTENANCE ON SYSTEM 46 MOTORS OTHER THAN VIBRATION ANALYSIS AND LUBRICATION. THE LICENSEE'S LACK OF CONTROL OF MOTOR BEARING SHIELD STATUS APPEARS TO HAVE CREATED PROBLEMS WITH THE LUBRICATION PROGRAMS AS TO WHICH MOTORS WERE TO BE LUBRICATED. THE ELECTRICAL FUNCTIONAL TESTS AND VIBRATION ANALYSIS PROGRAM APPEARED SATISFACTORY.

INSPECTION CONDUCTED JUNE 1 THROUGH JULY 15, 1989 (89-12) ROUTINE, UNANNOUNCED INSPECTION OF ONSITE FOLLOWUP OF LICENSEE EVENT REPORTS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, AND MONTHLY MAINTENANCE OBSERVATION. SEVERAL OPERATIONAL EVENTS OCCURRED DURING THIS INSPECTION PERIOD, INCLUDING A LOOP SHUTDOWN AND A MANUAL TURBINE GENERATOR TRIP. THE

INSPECTION SUMMARY

LICENSEE'S OPERATIONS STAFF RESPONDED TO EACH OCCURRENCE IN AN APPROPRIATE AND COMPETENT MANNER. THE LICENSEE'S EVALUATIONS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE FOR OUT-OF-SERVICE EQUIPMENT HAVE IMPROVED AND WERE OBSERVED BY THE INSPECTORS TO BE CONSERVATIVE AND ACCURATE. PROCEDURAL COMPLIANCE CONTINUES TO BE A PROBLEM AT FSV. AN UNANALYZED GASEOUS WASTE RELEASE OCCURRED WHEN A VALVE LINEUP PROCEDURE WAS NOT FOLLOWED.

INSPECTION CONDUCTED JUNE 26-30, 1989 (89-13) ROUTINE, UNANNOUNCED INSPECTION OF THE RADIOACTIVE WASTE SYSTEMS. WITHIN THE AREAS INSPECTED, ONE VIOLATION (MODIFICATION OF NRC CERTIFIED SHIPPING CASK), AND NO DEVIATIONS WERE IDENTIFIED. TWO OPEN ITEMS CONCERNING: (1) THE LICENSEE'S CORRECTIVE ACTIONS IN RESPONSE TO QUALITY ASSURANCE (QA) AUDIT FINDINGS AND (2) THE LABELING OF CONTAINERS OF RADIOACTIVE MATERIALS WERE IDENTIFIED. THE LICENSEE'S AUDIT PROGRAM WAS FOUND TO BE THOROUGH AND AGGRESSIVE. LITTLE SOLID WASTE IS PRODUCED AND RELEASES OF LIQUID AND GASEOUS EFFLUENTS WERE WITHIN TECHNICAL SPECIFICATION (TS) LIMITS. INPLACE FILTER TESTING AND RADIOLOGICAL EFFLUENT MONITOR CHECKS AND CALIBRATIONS WERE PERFORMED AS REQUIRED.

INSPECTION CONDUCTED JULY 10-14, 1989 (89-14) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION (RP) PROGRAM. WITHIN THE AREAS INSPECTED, ONE VIOLATION (SEVERAL EXAMPLES OF FAILURE TO COMPLY WITH BYPRODUCT TRANSFER REQUIREMENTS OF 10 CFR PART 30) WAS IDENTIFIED. TWO LICENSEE IDENTIFIED TECHNICAL SPECIFICATION (TS) VIOLATIONS INCLUDING ADMINISTRATIVE REPORTS WERE IDENTIFIED THAT WILL BE CONSIDERED NON-CITED VIOLATIONS. THE LICENSEE'S RP PROGRAM HAS RECEIVED SIGNIFICANT MANAGEMENT ATTENTION SINCE THE LAST SALP PERIOD REPORT. THE LICENSEE HAS EXPEDITENTLY APPLIED THE APPROPRIATE TECHNICAL RESOURCES TO RESOLVING NEARLY ALL OF THE OUTSTANDING NRC CONCERNS AND ISSUES. THE LICENSEE HAS ALSO EMBARKED ON A MAJOR SELF-IMPROVEMENT PROGRAM FOR THE RP PROGRAM AND HAS ENTERED INTO A CONTRACT WITH A HEALTH PHYSICS CONSULTING FIRM FOR PROVIDING TECHNICAL ASSISTANCE IN IMPROVING THE TECHNICAL AND PERFORMANCE ASPECTS OF THE FSV RP PROGRAM. THE LICENSEE'S QUALITY ASSURANCE (QA) PROGRAM IS STILL MAINTAINED AT A HIGH LEVEL OF EXCELLENCE. TECHNICAL EXPERTISE OF AUDIT TEAMS HAS BEEN SIGNIFICANTLY IMPROVED BY USE OF CONTRACTED HEALTH PHYSICS TECHNICAL SPECIALISTS FOR THE PERFORMANCE BASED AUDITING OF ALL RP PROGRAM AREAS. AUDIT REPORTS ARE STILL COMPREHENSIVE AND THE PERFORMANCE TYPE FINDINGS HAVE SIGNIFICANTLY IMPROVED. SENIOR LICENSEE MANAGERS ARE ACTIVELY INVOLVED IN MONITORING AND ASSESSING PLANT PERFORMANCE AND PROGRAM ACTIVITIES.

INSPECTION CONDUCTED JULY 17-21, 1989 (89-17) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PROGRAMS FOR INSTRUMENT CALIBRATION AND FUNCTIONAL TESTING, FOR DIESEL FUEL OIL (FO) QUALITY AND STORAGE, AND ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, ONE APPARENT VIOLATION OF NRC REQUIREMENTS WAS IDENTIFIED. THE APPARENT VIOLATION INVOLVED THREE EXAMPLES WHERE PROCEDURES DID NOT EXIST FOR THE CALIBRATION OR FUNCTIONAL TESTING OF INSTRUMENTATION AND CONTROLS NEEDED TO VERIFY EQUIPMENT OPERABILITY OR NEEDED FOR OPERATION OF EQUIPMENT AS SPECIFIED IN THE LICENSEE'S PROCEDURES. EXCEPT FOR THIS VIOLATION, THE LICENSEE'S CALIBRATION PROGRAM APPEARED TO MEET REGULATORY REQUIREMENTS. THE LICENSEE'S PROGRAM FOR ASSURING FO QUALITY APPEARED TO BE ACCEPTABLE, BUT WEAK BECAUSE OF THE LIMITED SCOPE OF FO SAMPLING PERFORMED. THE DIFFERENCE IN DESIGN REQUIREMENTS FOR THIS PLANT, AND THE HIGH FO USAGE WHICH PREVENTED SIGNIFICANT FO AGING, KEPT THE FO PROGRAM FROM APPEARING FLAWED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 5.3.4, THE LICENSEE HAD NOT PERFORMED THE ANNUAL FUNCTIONAL TEST OF TWO CROSS-CONNECT VALVES BETWEEN THE REACTOR WATER COOLING SYSTEM AND THE FIREWATER SYSTEM. CONTRARY TO TS SR 5.4.5, THE REACTOR WATER COOLING SYSTEM SCANNER HIGH FLOW ALARMS WERE NOT INCLUDED IN THE APPROPRIATE SURVEILLANCE PROCEDURE AND THEY HAD APPARENTLY NOT BEEN CHECKED OR CALIBRATED.
FORT ST VRAIN (8900 4)

FAILURE TO FOLLOW PROCEDURE (WRONG VALUE LINEUP) RESULTING IN UNPLANNED GASEOUS RAD WASTE RELEASED. PARAGRAPH 4.B. CONTRARY TO THE REQUIREMENTS OF 10 CFR 30.41, THE LICENSEE FAILED TO OBTAIN THE LICENSE RESTRICTIONS FOR TRANSFEREES OF RADIOACTIVE MATERIAL. FOUR EXAMPLES OF A FAILURE TO VERIFY TRANSFEREE'S LICENSE CONDITIONS WERE FOUND.
FORT ST VRAIN (8901 5)

OTHER ITEMS

Report Period AUG 1989

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

* FORT ST VRAIN *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ON AUGUST 18, 1989, THE PLANT WAS SHUT DOWN AFTER A SURVEILLANCE TEST INDICATED A PROBLEM WITH A CONTROL ROD. WHILE SHUT DOWN, A SEPARATE EXAMINATION OF THE STEAM GENERATORS REVEALED HAIRLINE CRACKS IN THE TUBES WHICH SUPPLY HEATED STEAM TO DRIVE THE TURBINE GENERATOR.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

ON AUGUST 29, 1989, THE LICENSEE ANNOUNCED THAT IT HAS ENDED ELECTRIC PRODUCTION OPERATIONS AT FORT ST. VRAIN EARLIER THAN EXPECTED DUE TO AN ANTICIPATED LENGTHY OUTAGE.

PLANT STATUS:

SHUTDOWN IN COOL DOWN PERIOD.

LAST IE SITE INSPECTION DATE: JULY 21, 1989

INSPECTION REPORT NO: 50-267/89-17

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
89-011	06-22-89	07-21-89	OPERATION IN EXCESS OF THE 82% POWER LIMIT.
89-012	06-28-89	07-24-89	UNANALYZED GAS WASTE RELEASE.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-244 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: ROBERT E. DODGE (315) 524-4446 X-396
4. Licensed Thermal Power (Mwt): 1520
5. Nameplate Rating (Gross MWe): 490
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

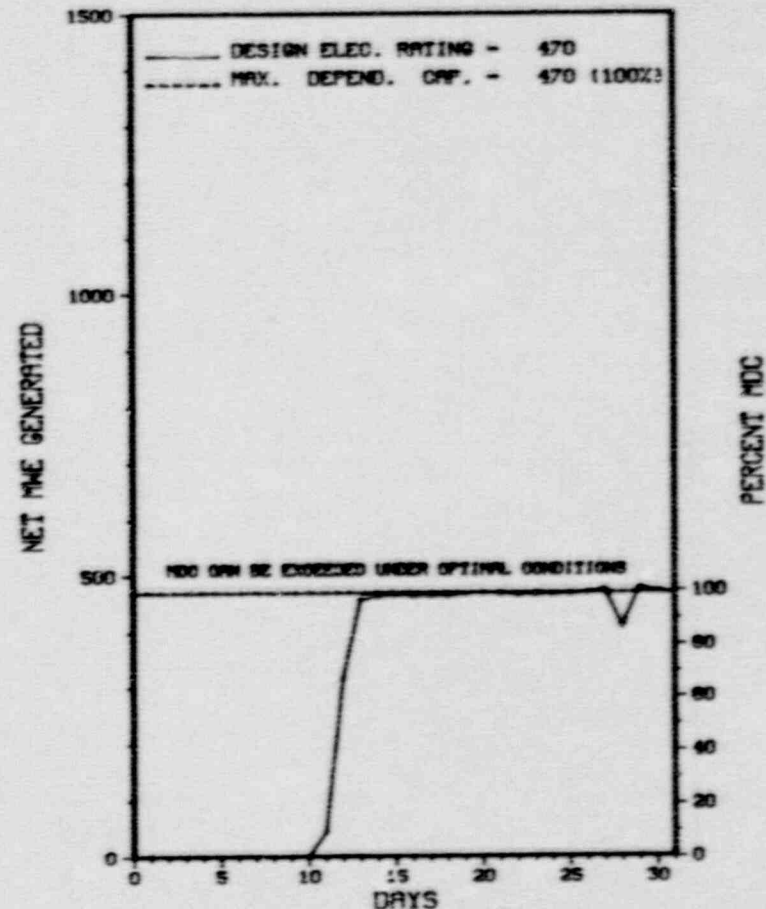
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>173,255.0</u>
13. Hours Reactor Critical	<u>508.0</u>	<u>3,719.5</u>	<u>135,416.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>489.5</u>	<u>3,642.5</u>	<u>172,883.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>710,578</u>	<u>5,268,120</u>	<u>187,238,134</u>
18. Gross Elec Ener (MWH)	<u>232,527</u>	<u>1,763,573</u>	<u>61,607,903</u>
19. Net Elec Ener (MWH)	<u>220,530</u>	<u>1,674,717</u>	<u>58,419,176</u>
20. Unit Service Factor	<u>65.8</u>	<u>62.5</u>	<u>76.7</u>
21. Unit Avail Factor	<u>65.8</u>	<u>62.5</u>	<u>76.7</u>
22. Unit Cap Factor (MDC Net)	<u>63.1</u>	<u>61.1</u>	<u>73.1*</u>
23. Unit Cap Factor (DER Net)	<u>63.1</u>	<u>61.1</u>	<u>73.1*</u>
24. Unit Forced Outage Rate	<u>34.2</u>	<u>10.2</u>	<u>6.3</u>
25. Forced Outage Hours	<u>254.5</u>	<u>411.8</u>	<u>5,073.7</u>

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

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

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
GINNA



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-5	07/30/89	F	254.5	A	4	LER 89-009	1B	CRDRVE	CONTINUATION OF MANUAL CONTROLLED SHUTDOWN BECAUSE OF (MRPI SYSTEM FAILURE) MICROPROCESSOR ROD POSITION INDICATOR.
89-6	08/28/89	F	0.0	A	5			CRDRVE	PROBLEM WITH THE ROD CONTROL SYSTEM. EXACT PROBLEM IS UNKNOWN.

 * SUMMARY *

 GINNA ENTERED AUGUST SHUTDOWN. THE UNIT RETURNED TO POWER PRODUCTION ON AUGUST 11, AND INCURRED ONE FORCED POWER REDUCTION THE REMAINDER OF THE MONTH.

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

* GINNA *

FACILITY DATA

Report Period AUG 1989

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.....A. JOHNSON
DOCKET NUMBER.....50-244
LICENSE & DATE ISSUANCE...DPR-18, DECEMBER 10, 1964
PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14610

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: W. E. EDGE (601) 984-9211

4. Licensed Thermal Power (MWh): 3833

5. Nameplate Rating (Gross MWe): 1373

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1190

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>744.0</u>	<u>5,831.0</u>	<u>36,552.0</u>
13. Hours Reactor Critical	<u>539.3</u>	<u>4,119.8</u>	<u>28,329.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>518.9</u>	<u>3,953.8</u>	<u>27,328.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,922,936</u>	<u>14,273,756</u>	<u>93,948,746</u>
18. Gross Elec Ener (MWH)	<u>614,690</u>	<u>4,635,260</u>	<u>29,810,630</u>
19. Net Elec Ener (MWH)	<u>589,809</u>	<u>4,447,662</u>	<u>28,517,310</u>
20. Unit Service Factor	<u>67.7</u>	<u>67.8</u>	<u>74.8</u>
21. Unit Avail Factor	<u>69.7</u>	<u>67.8</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>69.4</u>	<u>66.8</u>	<u>68.3</u>
23. Unit Cap Factor (DER Net)	<u>63.4</u>	<u>61.0</u>	<u>62.4</u>
24. Unit Forced Outage Rate	<u>30.3</u>	<u>6.0</u>	<u>6.1</u>
25. Forced Outage Hours	<u>225.1</u>	<u>253.4</u>	<u>1,770.2</u>

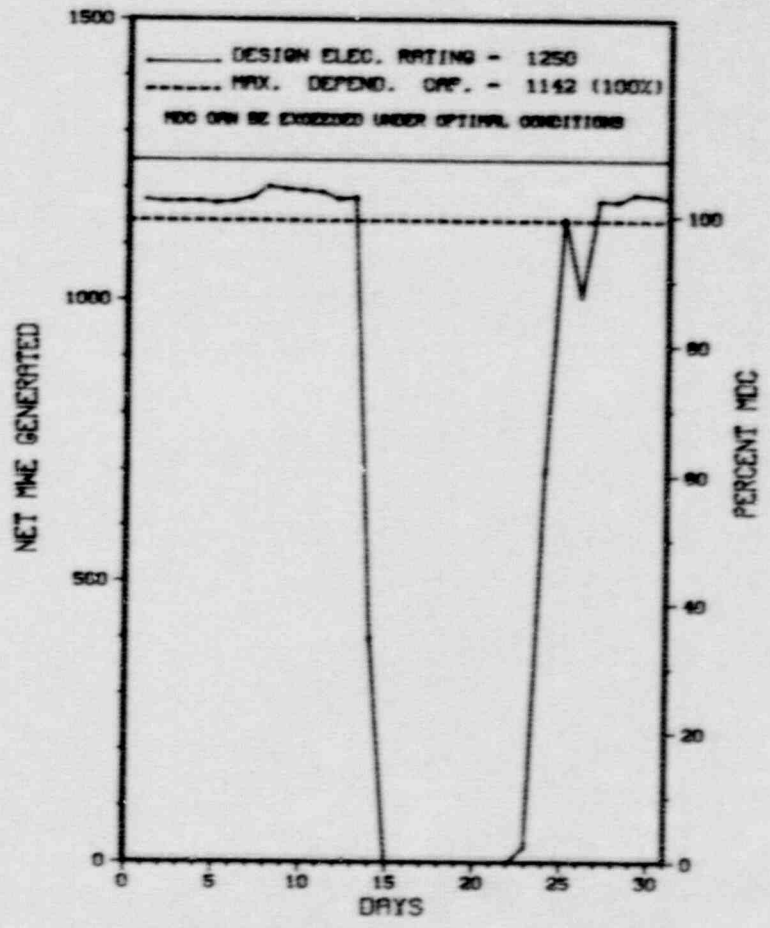
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 GRAND GULF 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-007	08/14/89	F	225.1	A	3	89-012	SG	EJ3	A MAIN TURBINE TRIP AND SUBSEQUENT REACTOR SCRAM OCCURRED DUE TO LOW CONDENSER VACUUM WHICH RESULTED FROM A FAILED TURBINE-TO-CONDENSER EXPANSION BELT. THE UNIT PROCEEDED TO COLD-SHUTDOWN TO REPLACE EXPANSION BELTS ON ALL (3) CONDENSER SECTIONS.

***** GRAND GULF 1 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.
 * SUMMARY *

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

Report Period AUG 1989

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

* GRAND GULF 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

100% POWER.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, 1989 +

INSPECTION REPORT NO: 50-416/89-21 +

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
89-010	07/22/89	08/21/89	REACTOR SCRAM CAUSED BY LIGHTNING STRIKE
89-011	07/26/89	08/22/89	MISSED CHEMISTRY SURVEILLANCE DUE TO PERSONNEL ERROR

=====

1. Bucket: 50-213 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 1825

5. Nameplate Rating (Gross MWe): 0600

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 592

8. Maximum Dependable Capacity (Net MWe): 565

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

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

11. Reasons for Restrictions, If Any:
NONE

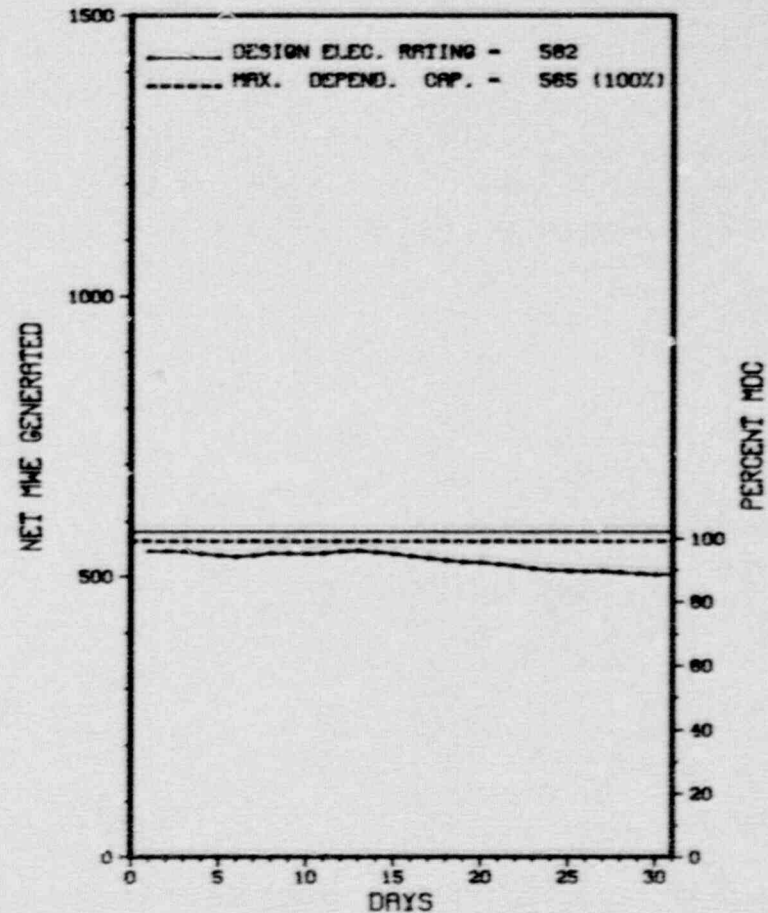
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>189,935.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>158,197.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>152,071.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>1,311,603</u>	<u>9,422,757</u>	<u>262,823,318</u>
18. Gross Elec Ener (MWH)	<u>414,683</u>	<u>3,107,977</u>	<u>86,378,758</u>
19. Net Elec Ener (MWH)	<u>394,288</u>	<u>2,953,808</u>	<u>81,822,203</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>80.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>80.3</u>
22. Unit Cap Factor (MDC Net)	<u>93.8</u>	<u>89.7</u>	<u>78.5*</u>
23. Unit Cap Factor (DER Net)	<u>91.1</u>	<u>87.0</u>	<u>74.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.5</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):
REFUELING - SEPT 2, 1989 - 56 DAY DURATION.

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOY
HADDAM NECK



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

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

NONE

* SUMMARY *

HADDAM NECK OPERATED IN A COAST DOWN MODE DURING AUGUST FOR SCHEDULED REFUELING OUTAGE. THERE WERE 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)

* HADDAM NECK *

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

Report Period AUG 1989

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
123 BROAD STREET
MIDDLETOWN, CONNECTITCUT 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.

1. Docket: 50-400 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

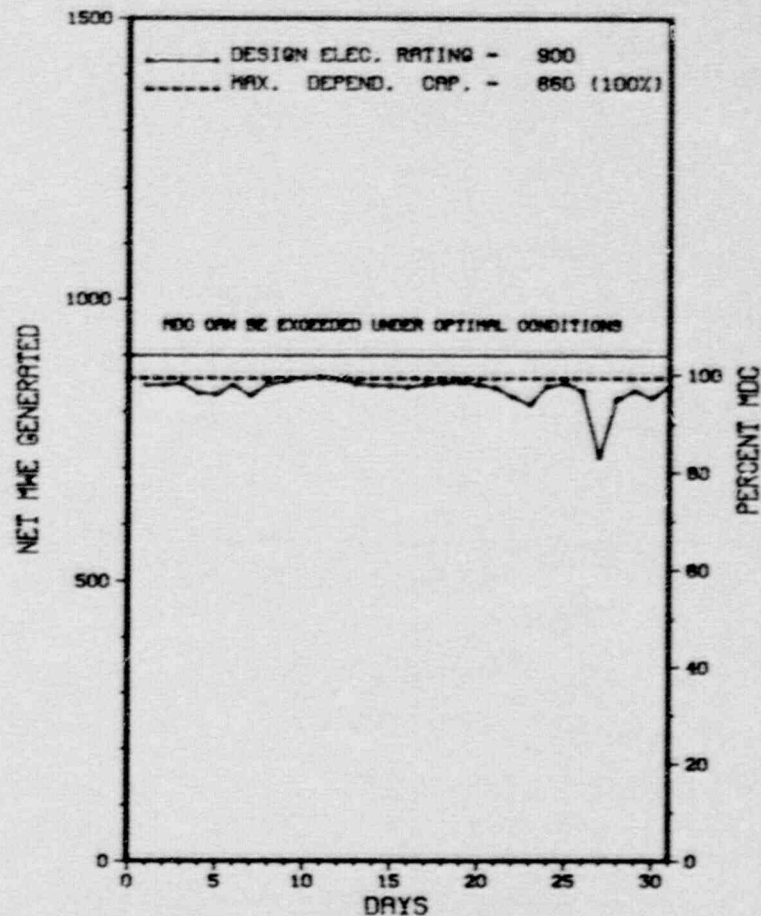
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>20,472.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,749.2</u>	<u>16,784.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,710.6</u>	<u>16,494.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,043,188</u>	<u>15,374,832</u>	<u>43,623,489</u>
18. Gross Elec Ener (MWH)	<u>667,418</u>	<u>5,090,619</u>	<u>14,491,126</u>
19. Net Elec Ener (MWH)	<u>625,193</u>	<u>4,763,230</u>	<u>13,469,546</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.9</u>	<u>80.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.9</u>	<u>80.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.7</u>	<u>95.0</u>	<u>76.5</u>
23. Unit Cap Factor (DER Net)	<u>93.4</u>	<u>90.8</u>	<u>73.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.1</u>	<u>5.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>120.4</u>	<u>909.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCT. 21, 1989 - 8 WEEK DURATION

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

* HARRIS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HARRIS 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * HARRIS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-021	08/26/89	S	0.0	B	5		HA	VALVEX	LOAD REDUCED TO 70% TO PERFORM TURBINE VALVE TESTING. THE REQUIRED TESTS WERE COMPLETED AND THE UNIT WAS RETURNED TO FULL LOAD.

 * SUMMARY *

 HARRIS 1 INCURRED ONE SCHEDULED POWER REDUCTION DURING AUGUST TO PERFORM TURBINE VALVE 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)

* HARRIS 1 *

FACILITY DATA

Report Period AUG 1989

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.....R. BECKER
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 JUNE 21 - JULY 20 (89-15): THIS ROUTINE SAFETY INSPECTION WAS CONDUCTED IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE OBSERVATIONS, MAINTENANCE OBSERVATIONS, AND ONSITE FOLLOWUP OF EVENTS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO MAINTAIN AN ACTIVE SRO LICENSE, AND IMPROPER INSTALLATION OF A FLOW ORIFICE. WAKE COUNTY PLANS TO CONSTRUCT AN AIRPORT APPROXIMATELY FOUR MILES EAST OF THE PLANT. DURING THIS REPORT PERIOD, THE LICENSEE EXCEEDED ITS PREVIOUS CONTINUOUS RUN TIME OF 124 DAYS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ITE MOLDED CASE BREAKER PROBLEMS POTENTIAL (PART 21 REPORT ISSUED). +

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. M. BEARD (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): 790

8. Maximum Dependable Capacity (Net MWe): 757

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>119,807.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>86,604.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>82,412.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,807,680</u>	<u>13,948,333</u>	<u>180,229,783</u>
18. Gross Elec Ener (MWH)	<u>578,990</u>	<u>4,506,550</u>	<u>58,211,190</u>
19. Net Elec Ener (MWH)	<u>553,521</u>	<u>4,312,776</u>	<u>55,351,064</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>68.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>97.7</u>	<u>61.0</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>95.3</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,928.7</u>

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

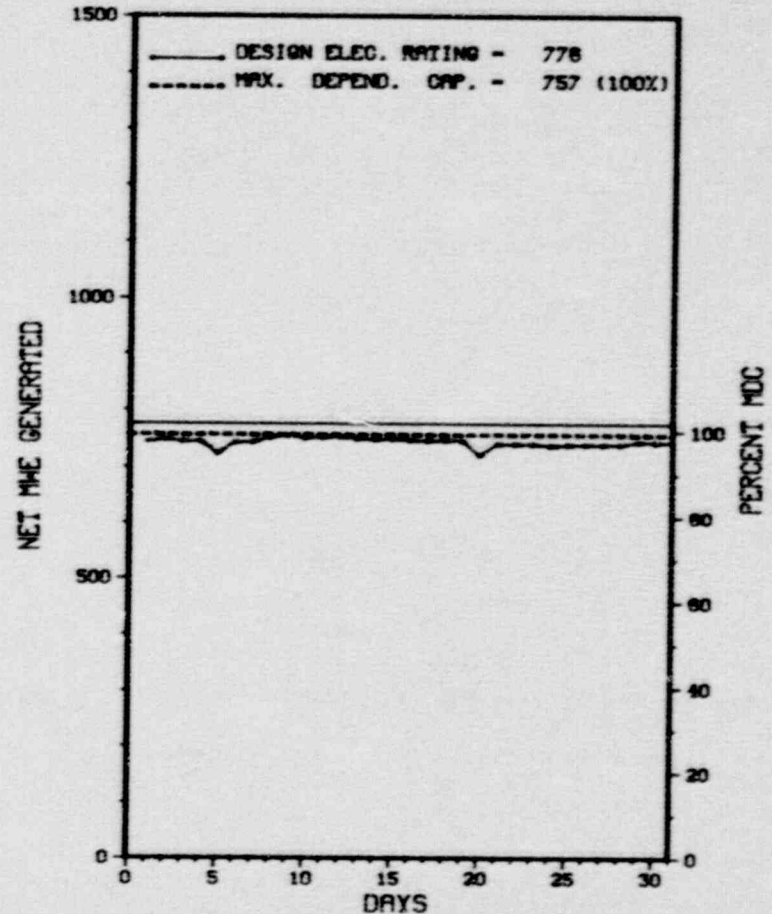
REFUELING - FEB. 28, 1990 - 119 DAY DURATION.

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

 * HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 1 *

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

NONE

* SUMMARY *

HATCH 1 OPERATED ROUTINELY DURING AUGUST 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)

 * HATCH 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
 IE RESIDENT INSPECTOR.....P. HOLMES RAY
 LICENSING PROJ MANAGER.....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 MAY 15-19 JUNE 5-9 AND JUNE 19 (89-08): THIS SPECIAL, ANNOUNCED SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) WAS PERFORMED TO ASSESS THE OPERATIONAL READINESS OF THE EMERGENCY DIESEL GENERATORS AND ASSOCIATED SUPPORT SYSTEMS TO MEET THEIR INTENDED DESIGN FUNCTION UNDER ALL POSTULATED CONDITIONS. THE LICENSEE'S OPERATIONAL AND MANAGEMENT CONTROLS WERE EVALUATED IN THE FOLLOWING FUNCTIONAL AREAS: DESIGN CONTROL; OPERATIONS; MAINTENANCE; SURVEILLANCE; AND QA/QC. THE INSPECTION OBJECTIVE AT HATCH WAS TO ASSESS THE OPERATIONAL READINESS OF THE EMERGENCY DIESEL GENERATORS AND ASSOCIATED SUPPORT SYSTEMS. THE ASSESSMENT INCLUDED THE DETERMINATION OF THE FOLLOWING: CAPABILITY OF THE SYSTEMS TO PERFORM THEIR SAFETY FUNCTIONS AS REQUIRED BY THE DESIGN BASIS; ADEQUACY OF OPERATIONS TO ENSURE THE SYSTEMS ARE BEING OPERATED PROPERLY; ADEQUACY OF MAINTENANCE TO ENSURE THE SYSTEMS ARE BEING MAINTAINED PROPERLY; ADEQUACY OF SURVEILLANCES TO ENSURE THE SYSTEMS ARE BEING TESTED PROPERLY; AND ADEQUACY OF QA/QC ACTIVITIES TO ENSURE THE SYSTEMS ARE BEING REVIEWED PROPERLY. THE RESULTS OF THIS INSPECTION INDICATE THAT THE EMERGENCY DIESEL GENERATORS AND SUPPORT SYSTEMS ARE CAPABLE OF ACHIEVING THEIR DESIGN FUNCTIONS. THE VARIOUS CONCERNS IDENTIFIED BY THE INSPECTION TEAM DO NOT SEVERELY IMPACT THE OVERALL FUNCTIONALITY OF THE SYSTEMS; HOWEVER, THESE CONCERNS DO REQUIRE ATTENTION. GENERALLY, CONCERNS WERE IDENTIFIED WITH THE DESIGN, FUEL CHEMISTRY, SURVEILLANCE, AND MAINTENANCE AREAS. THESE CONCERNS ARE ENUMERATED AS THE VIOLATION AND INSPECTOR FOLLOWUP ITEMS WHICH FOLLOW. SEVERAL ITEMS ARE PARTICULARLY NOTABLE. THE RELATIVELY HIGH INCIDENCE OF CORRECTIVE MAINTENANCE ON THE EMERGENCY DIESEL STARTING AIR SYSTEM INDICATES A QUESTION AS TO THE OVERALL RELIABILITY OF THE SYSTEM. SURVEILLANCE ACTIVITY, AS SPECIFIED BY TECHNICAL SPECIFICATIONS, WAS PERFORMED AS REQUIRED, HOWEVER A DISPARITY EXISTING BETWEEN SURVEILLANCE FOR SIMILAR EQUIPMENT ON DIFFERING UNITS WAS A CONCERN. ALSO WITHIN THE SURVEILLANCE FUNCTIONAL AREA, IT WAS NOTED THAT THE INSERVICE TESTING PROGRAM FOR EMERGENCY DIESEL GENERATORS AND SUPPORT SYSTEMS DID VERIFY OPERABILITY BUT DID NOT PROVIDE A MEANS OF IDENTIFYING DEGRADED PERFORMANCE. ONE VIOLATION, NO DEVIATIONS, NO URIS, AND 25 IFIS WERE IDENTIFIED.

Report Period AUG 1989

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

* HATCH 1 *

OTHER ITEMS

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: SEPTEMBER 7, 1989 +

INSPECTION REPORT NO: 50-321/89-21 +

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
NONE.			

=====

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 749.0

3. Utility Contact: R.M. BEARD (912) 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

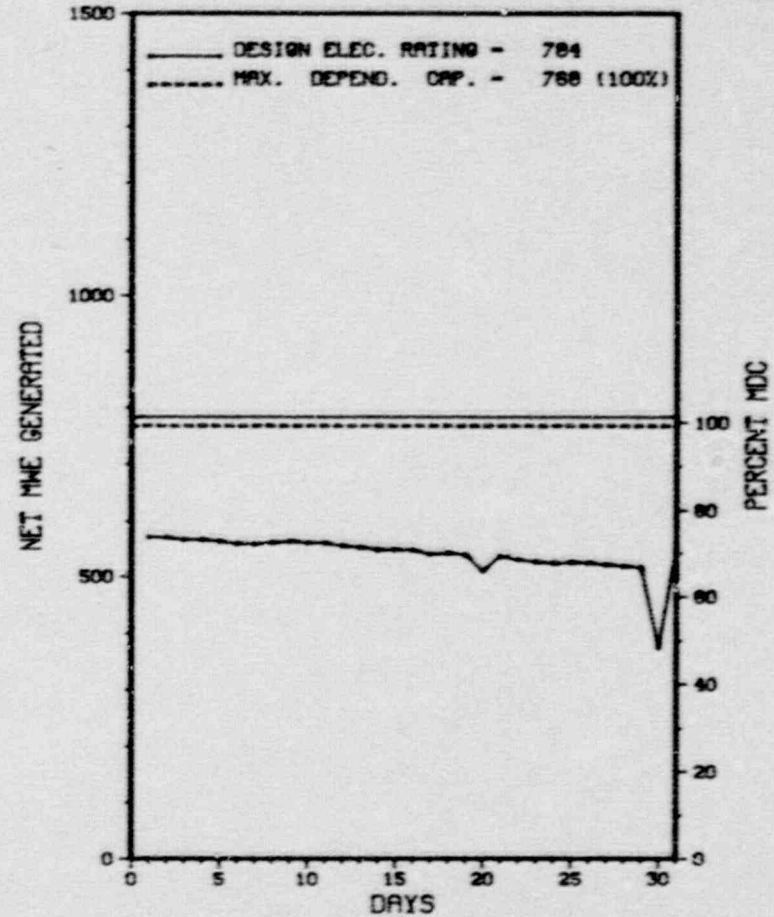
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HATCH 2

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>87,576.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>64,882.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>62,326.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>1,329,696</u>	<u>12,762,305</u>	<u>135,149,771</u>
18. Gross Elec Ener (MWh)	<u>427,740</u>	<u>4,160,670</u>	<u>44,387,150</u>
19. Net Elec Ener (MWh)	<u>401,886</u>	<u>3,963,558</u>	<u>42,262,550</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>70.3</u>	<u>88.5</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>68.9</u>	<u>86.7</u>	<u>61.6</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>5,678.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING - SEPT. 6, 1989 - 108 DAY DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-005	08/30/89	S	0.0	B	5	1-89-009	CB	CKTBKR	PERFORMED REQUIRED TESTING OF THE REACTOR RECIRCULATION SYSTEM PUMP TRIPS.

 * SUMMARY *

 HATCH 2 OPERATED THE ENTIRE MONTH OF AUGUST IN A COAST DOWN MODE FOR SCHEDULED REFUELING OUTAGE. THE UNIT INCURRED ONE SCHEDULED POWER REDUCTION DURING THE MONTH AS DESCRIBED ABOVE.

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

* HATCH 2 *

FACILITY DATA

Report Period AUG 1985

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 4, 1978
DATE 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 MAY 15-19, JUNE 5-9, AND JUNE 19 (89-08): THIS SPECIAL, ANNOUNCED SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) WAS PERFORMED TO ASSESS THE OPERATIONAL READINESS OF THE EMERGENCY DIESEL GENERATORS AND ASSOCIATED SUPPORT SYSTEMS TO MEET THEIR INTENDED DESIGN FUNCTION UNDER ALL POSTULATED CONDITIONS. THE LICENSEE'S OPERATIONAL AND MANAGEMENT CONTROLS WERE EVALUATED IN THE FOLLOWING FUNCTIONAL AREAS: DESIGN CONTROL; OPERATIONS; MAINTENANCE; SURVEILLANCE; AND QA/QC. THE INSPECTION OBJECTIVE AT HATCH WAS TO ASSESS THE OPERATIONAL READINESS OF THE EMERGENCY DIESEL GENERATORS AND ASSOCIATED SUPPORT SYSTEMS. THE ASSESSMENT INCLUDED THE DETERMINATION OF THE FOLLOWING: CAPABILITY OF THE SYSTEMS TO PERFORM THEIR SAFETY FUNCTIONS AS REQUIRED BY THE DESIGN BASIS; ADEQUACY OF OPERATIONS TO ENSURE THE SYSTEMS ARE BEING OPERATED PROPERLY; ADEQUACY OF MAINTENANCE TO ENSURE THE SYSTEMS ARE BEING MAINTAINED PROPERLY; ADEQUACY OF SURVEILLANCES TO ENSURE THE SYSTEMS ARE BEING TESTED PROPERLY; AND ADEQUACY OF QA/QC ACTIVITIES TO ENSURE THE SYSTEMS ARE BEING REVIEWED PROPERLY. THE RESULTS OF THIS INSPECTION INDICATE THAT THE EMERGENCY DIESEL GENERATORS AND SUPPORT SYSTEMS ARE CAPABLE OF ACHIEVING THEIR DESIGN FUNCTIONS. THE VARIOUS CONCERNS IDENTIFIED BY THE INSPECTION TEAM DO NOT SEVERELY IMPACT THE OVERALL FUNCTIONALITY OF THE SYSTEMS; HOWEVER, THESE CONCERNS DO REQUIRE ATTENTION. GENERALLY, CONCERNS WERE IDENTIFIED WITH THE DESIGN, FUEL CHEMISTRY, SURVEILLANCE, AND MAINTENANCE AREAS. THESE CONCERNS ARE ENUMERATED AS THE VIOLATION AND INSPECTOR FOLLOWUP ITEMS WHICH FOLLOW. SEVERAL ITEMS ARE PARTICULARLY NOTABLE. THE RELATIVELY HIGH INCIDENCE OF CORRECTIVE MAINTENANCE ON THE EMERGENCY DIESEL STARTING AIR SYSTEM INDICATES A QUESTION AS TO THE OVERALL RELIABILITY OF THE SYSTEM. SURVEILLANCE ACTIVITY, AS SPECIFIED BY TECHNICAL SPECIFICATIONS, WAS PERFORMED AS REQUIRED, HOWEVER A DISPARITY EXISTING BETWEEN SURVEILLANCE FOR SIMILAR EQUIPMENT ON DIFFERING UNITS WAS A CONCERN. ALSO WITHIN THE SURVEILLANCE FUNCTIONAL AREA, IT WAS NOTED THAT THE INSERVICE TESTING PROGRAM FOR EMERGENCY DIESEL GENERATORS AND SUPPORT SYSTEMS DID VERIFY OPERABILITY BUT DID NOT PROVIDE A MEANS OF IDENTIFYING DEGRADED PERFORMANCE. ONE VIOLATION, NO DEVIATIONS, NO URIS, AND 25 IFIS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION JUNE 24 - JULY 21 (89-12): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE PROCEDURES AND RECORDS, AND ACTION ON PREVIOUS INSPECTION FINDINGS. THREE STRENGTHS WERE IDENTIFIED DURING THIS REPORTING PERIOD. IMPLEMENTATION OF THE LICENSEE'S DC PROGRAM AND THE PROFESSIONALISM AND ATTENTIVENESS OF OPERATIONS PERSONNEL WERE OBSERVED TO BE STRENGTHS, AND MAINTENANCE WAS ALSO OBSERVED TO BE A STRENGTH IN THAT PREVENTIVE ACTIVITIES WERE EFFECTIVELY EXECUTED AND CORRECTIVE MAINTENANCE WAS BOTH TIMELY AND EFFECTIVE. TWO LICENSEE-IDENTIFIED VIOLATIONS, WHICH ARE NOT BEING CITED, WERE ALSO IDENTIFIED. THE FIRST NON-CITED VIOLATION WAS FOR IMPROPER CALIBRATION OF THE HPCI WOODWARD CONTROLLER, AND THE SECOND RELATED TO THE INADVERTENT LOSS OF LOGIC POWER FOR DRYWELL FLOOR AND EQUIPMENT DRAIN SUMP PUMPS.

INSPECTION JULY 10-13 (89-13): THIS UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES INCLUDED A REVIEW OF THE LICENSEE'S ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL EXPOSURE CONTROLS, DOSIMETRY, THE AS LOW AS REASONABLY ACHIEVABLE (ALARA) PROGRAM, SURVEYS AND CONTROL OF RADIOACTIVE MATERIAL, SOLID RADIOACTIVE WASTE, TRANSPORTATION OF RADIOACTIVE MATERIAL, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. A NON-CITED VIOLATION (NCV) WAS IDENTIFIED AND REVIEWED DURING THE INSPECTION. THE VIOLATION CONCERNED THE IMPROPER ASSESSMENT OF RADIOLOGICAL HAZARDS WHICH RESULTED IN IMPROPER RADIATION DOSIMETRY PLACEMENT. LICENSEE AUDITS OF RADIATION PROTECTION ACTIVITIES AND RADIOACTIVE WASTE PROGRAMS, WHICH HAD IDENTIFIED PROGRAM WEAKNESSES, APPEAR TO BE A PROGRAM STRENGTH. THE INSPECTOR NOTED THAT THE LICENSEE WAS TAKING TIMELY CORRECTIVE ACTIONS.

INSPECTION JULY 17-20 (89-14): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF FOLLOWUP ON LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS (92701 AND 92702) UNITS 1 AND 2. LICENSEE ACTIONS WITH REGARD TO RESOLUTION AND CLOSURE OF NRC ISSUES ADDRESSED IN THIS REPORT WERE SATISFACTORY. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 24-28 (89-15): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, IE BULLETIN 80-11, MASONRY WALL DESIGN, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE MINOR WEAKNESS WAS IDENTIFIED IN THE LACK OF DETAILS IN THE EMERGENCY RESPONSE PROCEDURE REGARDING CONNECTING THE BACKUP AIR SUPPLY TO THE TRANSFER CANAL SEALS WHEN NORMAL AIR SUPPLY IS INTERRUPTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

Report Period AUG 1989

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

* HATCH 2 *

OTHER ITEMS

LAST IE SITE INSPECTION DATE: SEPTEMBER 7, 1989 +

INSPECTION REPORT NO: 50-366/89-21 +

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
89-003	07/28/89	08/22/89	ANALYSIS ON LIQUID EFFLUENT NOT PERFORMED PER TECHNICAL SPECIFICATIONS; PERSONNEL ERROR

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-354 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 3293

5. Nameplate Rating (Gross MWe): 1170

6. Design Electrical Rating (Net MWe): 1067

7. Maximum Dependable Capacity (Gross MWe): 1076

8. Maximum Dependable Capacity (Net MWe): 1031

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>23,663.0</u>
13. Hours Reactor Critical	<u>697.2</u>	<u>5,382.1</u>	<u>20,329.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>697.2</u>	<u>5,376.8</u>	<u>20,008.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,944,509</u>	<u>16,935,923</u>	<u>62,939,635</u>
18. Gross Elec Ener (MWH)	<u>643,360</u>	<u>5,576,629</u>	<u>20,893,072</u>
19. Net Elec Ener (MWH)	<u>611,534</u>	<u>5,332,594</u>	<u>19,891,084</u>
20. Unit Service Factor	<u>93.7</u>	<u>92.2</u>	<u>84.6</u>
21. Unit Avail Factor	<u>93.7</u>	<u>92.2</u>	<u>84.6</u>
22. Unit Cap Factor (MDC Net)	<u>79.7</u>	<u>88.7</u>	<u>81.5</u>
23. Unit Cap Factor (DER Net)	<u>77.0</u>	<u>85.7</u>	<u>78.8</u>
24. Unit Forced Outage Rate	<u>6.3</u>	<u>1.0</u>	<u>5.7</u>
25. Forced Outage Hours	<u>46.8</u>	<u>52.8</u>	<u>1,215.7</u>

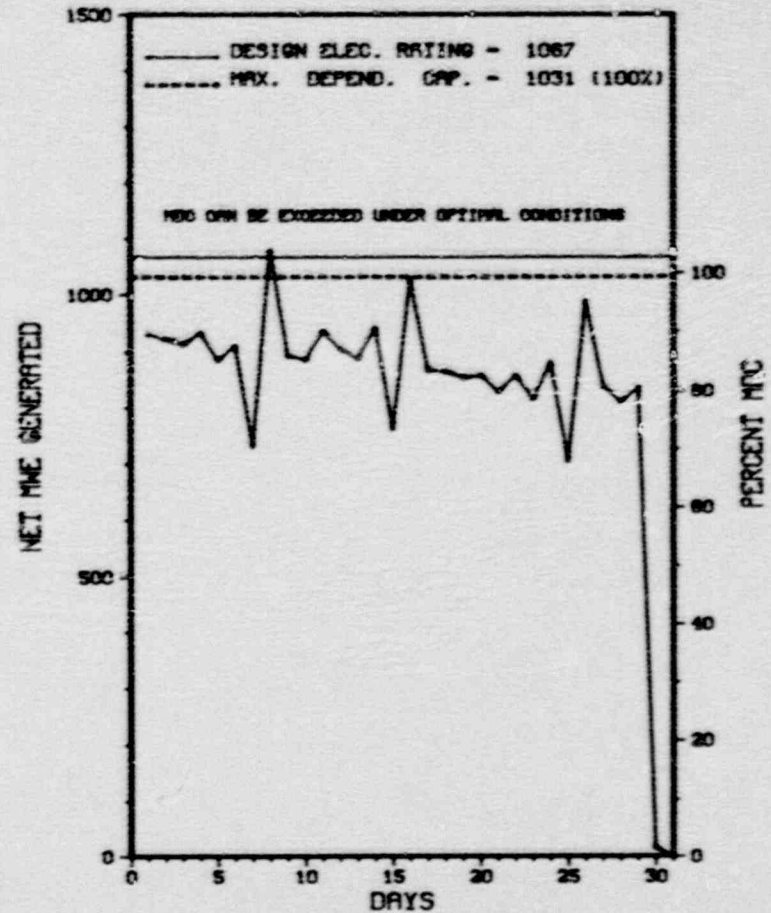
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - SEPT. 16, 1989 - 55 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 09/01/89

 * HOPE CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 HOPE CREEK 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * HOPE CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
7	08/30/89	F	46.8	A	3			REACTOR SCRAM ON REACTOR VESSEL LOW WATER LEVEL DUE TO HCU AIR HEADER COPPER PIPE SOLDER JOINT FAILURE LER 89-018.

 * SUMMARY *

 HOPE CREEK ENTERED AUGUST AT APPROXIMATELY 90% POWER DUE TO END OF CYCLE COASTDOWN. THE UNIT INCURRED ONE FORCED OUTAGE AND REMAINED OUT OF SERVICE AT MONTHS END.

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

* HOPE CREEK 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
WILMINGTON, DEL
TYPE OF REACTOR.....BWR
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.....C. SHIRAKI
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

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 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

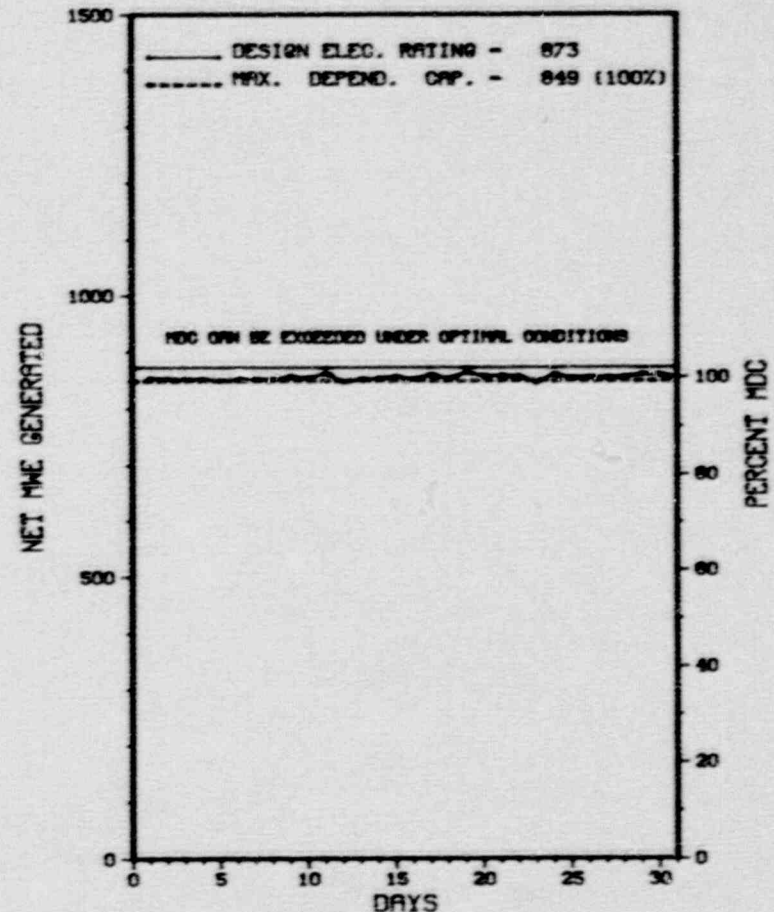
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>132,984.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,297.5</u>	<u>91,408.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>12.9</u>	<u>3,022.0</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>3,251.2</u>	<u>88,897.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,054,808</u>	<u>8,409,082</u>	<u>232,748,766</u>
18. Gross Elec Ener (MWH)	<u>660,058</u>	<u>2,690,412</u>	<u>72,621,999</u>
19. Net Elec Ener (MWH)	<u>636,130</u>	<u>2,577,222</u>	<u>68,776,996</u>
20. Unit Service Factor	<u>100.0</u>	<u>55.8</u>	<u>66.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>55.8</u>	<u>66.8</u>
22. Unit Cap Factor (MDC Net)	<u>100.7</u>	<u>51.7</u>	<u>60.8*</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>50.6</u>	<u>59.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>8.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>15.5</u>	<u>7,544.9</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



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 198

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

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

NONE

* SUMMARY *

INDIAN POINT 2 OPERATED ROUTINELY DURING AUGUST AND INCURRED 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 Screen	Instructions for
	C-Refueling	3-Auto Screen	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	License Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* INDIAN POINT 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

UTILITY
LICENSEE.....CONSOLIDATED EDISON
CORPORATE ADDRESS.....4 IRVING PLACE
NEW YORK, NEW YORK 10003
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
PHC 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.....D. BRINKMAN
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 YCRK 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 AUG 1989

INSPECTION STATUS - (CONTINUED)

* INDIAN POINT 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 753.0

3. Utility Contact: L. KELLY (914) 736-8340

4. Licensed Thermal Power (Mwt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

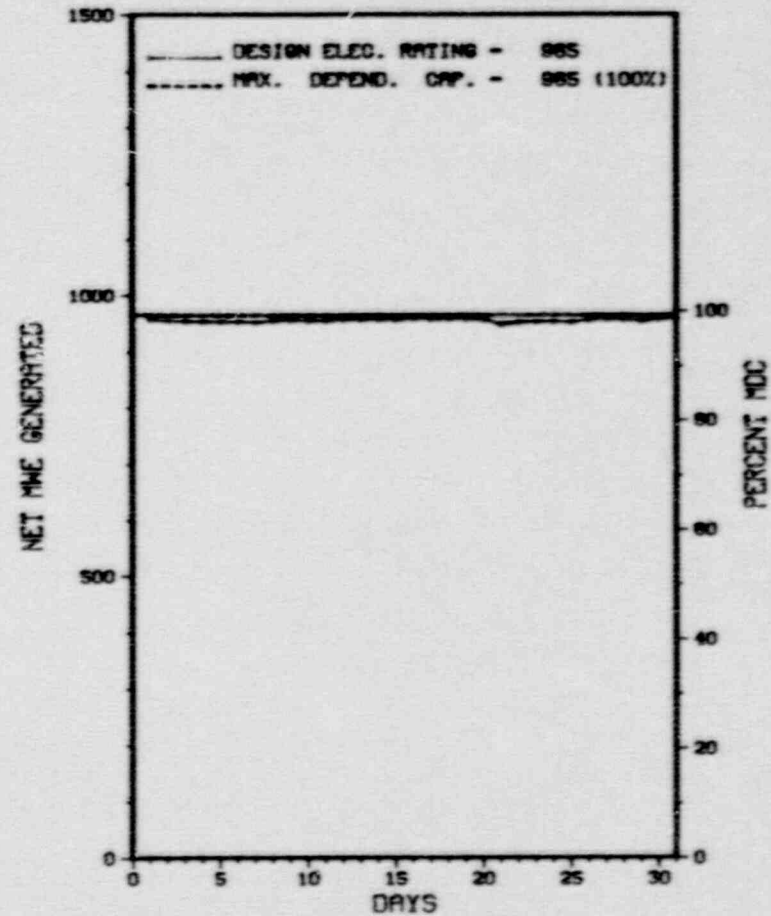
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>114,000.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,570.2</u>	<u>69,178.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,458.2</u>	<u>67,143.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,250,235</u>	<u>7,064,075</u>	<u>180,455,193</u>
18. Gross Elec Ener (MWH)	<u>737,550</u>	<u>2,320,970</u>	<u>57,660,246</u>
19. Net Elec Ener (MWH)	<u>710,784</u>	<u>2,231,040</u>	<u>55,338,500</u>
20. Unit Service Factor	<u>100.0</u>	<u>42.2</u>	<u>58.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>42.2</u>	<u>58.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.0</u>	<u>39.7</u>	<u>50.3</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>39.7</u>	<u>50.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>17.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>13.8</u>	<u>14,207.5</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>			

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

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

NONE

* SUMMARY *

INDIAN POINT 3 OPERATED ROUTINELY DURING AUGUST 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-4161)

* INDIAN POINT 3 *

FACILITY DATA

Report Period AUG 1989

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
NSC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IF RESIDENT INSPECTOR.....P. KOLTAY
LICENSING PROJ MANAGER.....J. NEIGHBORS
POCKET NUMBER.....50-286
LICENSE & DATE ISSUANCE...DPR-64, APRIL 5, 1976
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO CFR 50, APPENDIX B, CRITERION XI, THE TEST PROGRAM WAS INADEQUATE IN THAT PRE-OPERATIONAL TESTS DID NOT ENSURE SYSTEM OPERABILITY. SPECIFICALLY; ON JUNE 25, 1989, THE LICENSEE IDENTIFIED THAT CHANNEL A FEED FLOW TRANSMITTER SENSING LINES WERE INSTALLED INCORRECTLY RESULTING IN THE FAILURE OF THE TRANSMITTERS TO PERFORM THEIR INTENDED FUNCTION. ON JUNE 26, 1989, THE LICENSEE IDENTIFIED THAT WIRES TO THE TEST/OPERATE SWITCH WERE INSTALLED INCORRECTLY RESULTING IN THE FAILURE OF LOOP 34 REACTOR COOLANT SYSTEM TEMPERATURE INSTRUMENT TO PERFORM ITS INTENDED FUNCTION. THE LICENSEE ASSESSMENT AIDS FAILED TO OBSERVE PORTIONS OF THE PROTECTED AREA AND ASSOCIATED ISOLATION ZONE. THE LICENSEE FAILED TO CONDUCT SEARCHES OF HAND CARRIED ITEMS ENTERING THE PROTECTED AREA. THE LICENSEE FAILED TO CONTROL ACCESS AND LOCK AND ALARM VITAL AREA BARRIER OPENINGS THAT EXCEEDED 96 SQUARE INCHES. THE LICENSEE FAILED TO ILLUMINATE 7 AREAS WITHIN THE PROTECTED AREA AS REQUIRED.
INDIAN POINT 3 (8901 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION IX AN NRC RE-EXAMINATION BY LIQUID PENETRANT DURING APRIL 24 THROUGH MAY 5, 1989 DID DISCLOSED THAT CODE INSPECTED AND ACCEPTED WELD RSG 31 FW5, FW41 AND RSG 34 FW8 CONTAINED UNACCEPTABLE LINEAR INDICATIONS IN THE AREA OF INTEREST ADJACENT TO THE WELD. THESE UNACCEPTABLE LINEAR INDICATIONS WERE NOT RECORDED OR DISPOSITIONED. CONTRARY TO 10

ENFORCEMENT SUMMARY

CFR 50, APPENDIX B CRITERION IX, AN NRC RE-EXAMINATION BY MAGNETIC PARTICLE DURING APRIL 24 THROUGH MAY 5, 1989 DISCLOSED THAT CODE INSPECTED AND ACCEPTED WELR RSG 31 MAIN STEAM (UG) REMOVAL AREA ADJACENT TO FW2 AND GIRTH WELD FW5 C1 CONTAINED UNACCEPTABLE LINEAR INDICATIONS. THESE UNACCEPTABLE LINEAR INDICATIONS WERE NOT RECORDED OR DISPOSITIONED. CONTRARY TO 10 CFR 50.55(A)(C)4 AN NRC REVIEW REVEALED THAT, THE LICENSEE'S IMPLEMENTATION OF SITE TECHNICAL SPECIFICATION FOR WELDING POSTWELD HEAT TREATMENT AND NONDESTRUCTIVE EXAMINATION 16802-M-005 DID NOT REQUIRE INSIDE SURFACE EXAMINATIONS FOR FINISHED STEAM GENERATOR NOZZLE TO PIPING WELDS. SUBSEQUENT TO IDENTIFICATION OF THIS DEFICIENCY BY THE NRC, INSIDE SURFACE EXAMINATIONS PERFORMED BY THE LICENSEE BY LIQUID PENETRANT EXAMINATION DISCLOSED REJECTABLE INDICATIONS IN THESE WELDS.

INDIAN POINT 3 (8908 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: 50-305 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.6

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

4. Licensed Thermal Power (MWT): 1670

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>133,344.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,520.8</u>	<u>113,738.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,476.6</u>	<u>112,042.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,221,653</u>	<u>7,064,945</u>	<u>176,723,063</u>
18. Gross Elec Ener (MWH)	<u>403,500</u>	<u>2,351,900</u>	<u>58,445,500</u>
19. Net Elec Ener (MWH)	<u>382,773</u>	<u>2,237,430</u>	<u>55,656,767</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.8</u>	<u>84.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.8</u>	<u>85.0</u>
22. Unit Cap Factor (MDC Net)	<u>102.3</u>	<u>75.3</u>	<u>81.2*</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>71.7</u>	<u>78.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,970.0</u>

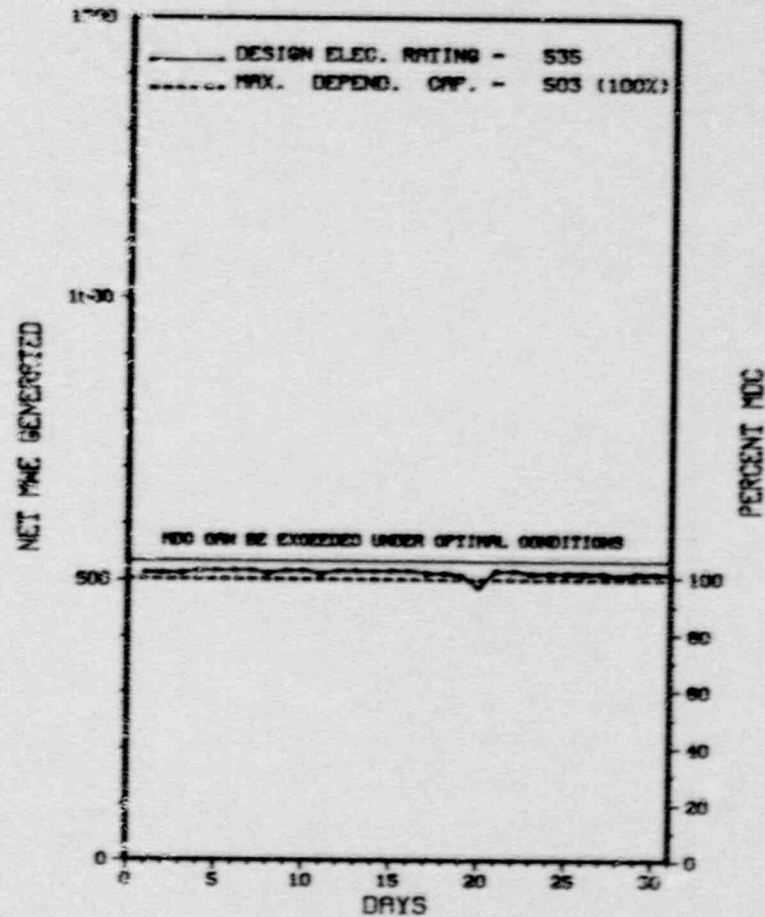
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* Kewaunee *

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

NONE

* SUMMARY *

KEWAUNEE OPERATED ROUTINELY DURING AUGUST 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)

* KEWAUNEE *

FACILITY DATA

Report Period AUG 1989

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
CONTRACTOR.....PIONEER SERVICES & ENGINEERING
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON JUNE 20-23 AND 26 (89009): MANAGEMENT SUPPORT, SECURITY PROGRAM PLANS, AF AUDITS; PROTECTED AND VITAL AREA PHYSICAL BARRIERS, DETECTION AND ASSESSMENT AIDS; PROTECTED AND VITAL AREA ACCESS CONTROL OF PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING, MAINTENANCE AND COMPENSATORY MEASURES; AND SECURITY TRAINING/QUALIFICATION. REVIEWED LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS, EXCEPT AS NOTED BELOW: A. SAFEGUARDS INFORMATION (10 CFR 73.21): THE LICENSEE FAILED TO MARK SOME PROTECTED INFORMATION. B. PROTECTED AREA DETECTION AIDS: SEVERAL PORTIONS OF THE INTRUSION ALARM SYSTEM FAILED TO DETECT PENETRATION. IN ADDITION, THREE OPEN ITEMS WERE IDENTIFIED. TWO OF THE ITEMS RELATED TO WEAKNESSES IN THE TESTING PROGRAM FOR THE SECURITY POWER SUPPLY SYSTEM AND METAL DETECTORS. THE THIRD OPEN ITEM IDENTIFIED A WEAKNESS IN THE LICENSEE'S AGILITY TEST. THE LICENSEE'S SITE SECURITY PROGRAM IS BEING IMPLEMENTED IN AN ADEQUATE MANNER. CORPORATE AND SITE SUPPORT TO THE SECURITY PROGRAM IS ADEQUATE.

ENFORCEMENT SUMMARY

FAILURE TO MARK SOME PROTECTED INFORMATION. SEVERAL PORTIONS OF THE INTRUSION ALARM SYSTEM FAILED TO DETECT PENETRATION.
KEWAUNEE (8900 4)

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: J.W. THUNSTEDT (815) 357-6761 X2463

4. Licensed Thermal Power (MWh): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>49,679.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,757.3</u>	<u>31,731.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,747.1</u>	<u>30,995.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>2,284,632</u>	<u>17,978,374</u>	<u>92,893,050</u>
18. Gross Elec Ener (MWH)	<u>755,334</u>	<u>6,062,267</u>	<u>28,708,020</u>
19. Net Elec Ener (MWH)	<u>726,232</u>	<u>5,840,905</u>	<u>27,394,352</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.6</u>	<u>62.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.6</u>	<u>62.4</u>
22. Unit Cap Factor (MDC Net)	<u>94.2</u>	<u>96.7</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>90.5</u>	<u>92.9</u>	<u>51.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>10.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>83.9</u>	<u>3,494.8</u>

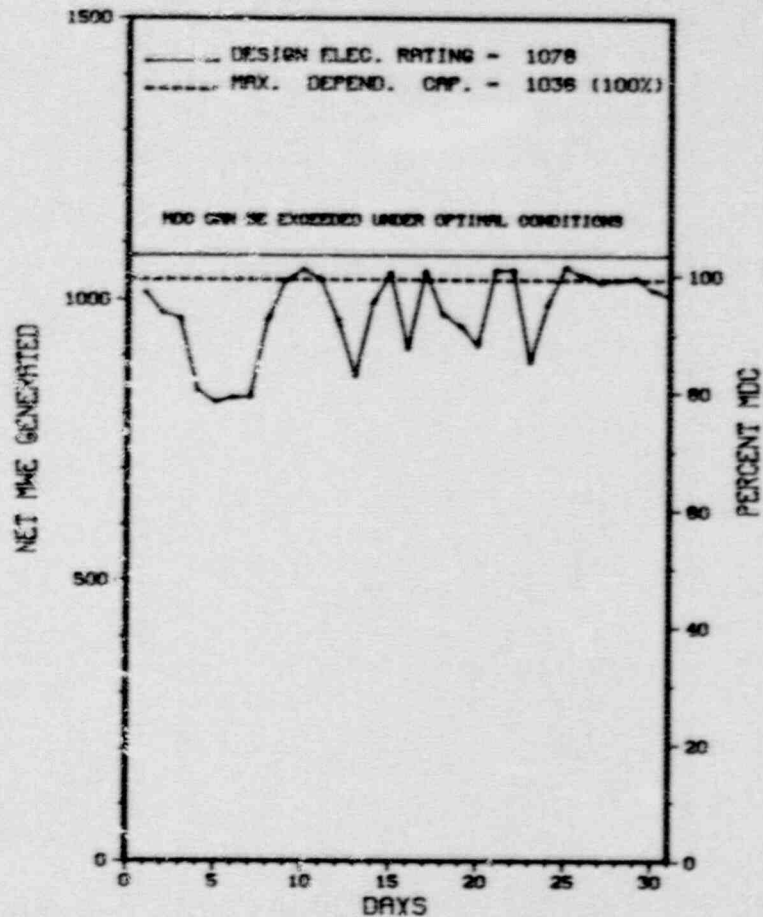
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT 9, 1989 - 12 WEEK DURATION.

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

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
35	08/02/89	S	0.0	F	5				LOAD DISPATCHER
36	08/03/89	S	0.0	F	5				LOAD DISPATCHER
37	08/04/89	S	0.0	F	5				LOAD DISPATCHER
38	08/12/89	S	0.0	F	5				LOAD DISPATCHER
39	08/12/89	S	0.0	F	5				SCRAM-TIME TESTING
40	08/14/89	S	0.0	F	5				LOAD DISPATCHER
41	08/16/89	S	0.0	B	5				LOAD DISPATCHER
42	08/18/89	S	0.0	F	5				LOAD DISPATCHER
43	08/19/89	S	0.0	F	5				LOAD DISPATCHER
44	08/20/89	S	0.0	F	5				LOAD DISPATCHER
45	08/23/89	S	0.0	B	5				LOAD DISPATCHER

***** LA SALLE 1 INCURRED SEVERAL POWER REDUCTIONS DURING AUGUST PER THE LOAD DISPATCHER REQUEST.
 * 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)

* LASALLE 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....ILL
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER....P. SZEMANSKI
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 JUNE 5 THROUGH AUGUST 7 (89016; 89016): MANAGEMENT SUPPORT; PROTECTED AND VITAL AREA BARRIERS; ACCESS CONTROL PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING, MAINTENANCE AND COMPENSATORY MEASURES; TRAINING AND QUALIFICATION; ALLEGATIONS REGARDING CONTRACTOR BACKGROUND SCREENING AND ACCESS CONTROL REQUIREMENTS; AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED. A WEAKNESS IN THE LICENSEE'S EVENT LOGGING PROGRAM WAS IDENTIFIED THAT IS SIMILAR TO A WEAKNESS IDENTIFIED AT DRESDEN AND WILL BE TRACKED UNDER THE DRESDEN STATION DOCKET NUMBER. LICENSEE SECURITY MANAGEMENT ATTENTION TO SECURITY ACTIVITIES IS ADEQUATE. THE ALLEGATIONS REGARDING ACCESS CONTROL AND BACKGROUND SCREENING ARE CLOSED.

INSPECTION ON JUNE 10 THROUGH JULY 24 (89017; 89017): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT AND REGIONAL INSPECTORS OF OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; ESF SYSTEM WALKDOWNS; QUALITY ASSURANCE PROGRAM IMPLEMENTATION; ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS; ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS AT OPERATING POWER REACTORS; RADIATION OCCURRENCE REPORTS; ALARA; AND LICENSEE SELF ASSESSMENT CAPABILITY; AND ENGINEERING EVALUATION OF CILRT TEMPERATURE SENSOR CHANGES. OF THE TEN AREAS INSPECTED, THERE WAS ONE VIOLATION IDENTIFIED. DURING THIS INSPECTION PERIOD, THERE WERE NINE EMERGENCY NOTIFICATION SYSTEM (ENS) NOTIFICATIONS, TWO OF WHICH WERE COURTESY CALLS FOR POTENTIAL QUALITY ASSURANCE (QA) DEFICIENCIES WITH MAIN STEAM ISOLATION VALVE (MSIV) ACTUATORS IDENTIFIED BY THE LICENSEE'S QA ORGANIZATION. TWO ENS CALLS PERTAINED TO PROBLEMS WITH THE UNIT 2, DIVISION III BATTERY CHARGER. ONE ENS CALL PERTAINED TO THE SECOND OCCURRENCE OF THE LOSS OF THE UNIT 2 SYSTEM AUXILIARY TRANSFORMER (SAT) AND THE ASSOCIATED SYSTEM ISOLATIONS AND ENGINEERED SAFETY FEATURE (ESF) ACTUATION, ONE ENS CALL PERTAINED TO A PARTIAL ESF OF THE UNIT 1 REACTOR WATER CLEANUP SYSTEM THAT RESULTED FROM THE UNIT 2 SAT EVENT, ONE ENS CALL PERTAINED TO THE HIGH PRESSURE CORE SPRAY (HPCS) SYSTEM BEING INOPERABLE BECAUSE OF ITS

INSPECTION SUMMARY

EMERGENCY DIESEL GENERATOR (EDG) BEING INOPERABLE, ONE ENS CALL PERTAINED TO A DROPPED NEW FUEL BUNDLE, AND ONE ENS CALL PERTAINED TO AN INOPERABLE STATIC-O-RING (SOR) SWITCH ON THE REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM. IN ADDITION, THE LICENSEE MADE TWO TECHNICAL SPECIFICATION (TS) NON 10 CFR 50.72, REPORTS TO THE NRC OF DEAD FISH IN THE COOLING LAKE. THE ONE VIOLATION THAT WAS IDENTIFIED DURING THIS INSPECTION PERIOD DEALT WITH A SHIPMENT OF BYPRODUCT MATERIAL TO A VENDOR NOT LICENSED TO POSSESS BYPRODUCT MATERIAL. DURING THIS INSPECTION PERIOD, THE MODIFICATIONS TO THE SPENT FUEL POOL TO INCORPORATE THE USE OF HIGH DENSITY RACKS WAS ESSENTIALLY COMPLETED. THE LICENSEE ALSO COMMENCED RECEIPT AND STORAGE OF NEW FUEL IN PREPARATION FOR THE UPCOMING UNIT 1 REFUELING/MAINTENANCE OUTAGE IN SEPTEMBER OF 1989. DURING THIS INSPECTION PERIOD, THE LICENSEE REQUESTED AND WAS GRANTED A TEMPORARY WAIVER OF COMPLIANCE (TWC) FOR TESTING THE UNIT 2 DIVISION I AND II EDGS DUE TO THE DIVISION III EDG BEING INOPERABLE. RELIEF FROM THESE TESTING REQUIREMENTS HAD BEEN AVAILABLE SINCE 1984 (REFERENCE GENERIC LETTER 84-15) BUT THE LICENSEE HAD FAILED TO AGGRESSIVELY PURSUE THIS OPTION.

INSPECTION ON AUGUST 1-3 (89015; 89015): ROUTINE ANNOUNCED INSPECTION OF THE ANNUAL EMERGENCY PREPAREDNESS EXERCISE (IP 82301) INVOLVING OBSERVATIONS BY THREE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE LICENSEE DEMONSTRATED A GOOD RESPONSE TO A SIMULATED ACCIDENT SCENARIO INVOLVING TORNADO DAMAGE TO CERTAIN EQUIPMENT ON THE PLANT SITE AND A SMALL RELEASE OF LIQUID EFFLUENT. ALL OBJECTIVES WERE DEMONSTRATED SATISFACTORILY WITH THE EXCEPTION OF THE ASSEMBLY/ACCOUNTABILITY DRILL. AN EXERCISE WEAKNESS WAS ASSESSED FOR NOT MEETING THIS OBJECTIVE.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT CURRENTLY OPERATING AT REDUCED POWER DUE TO ELEVATED LAKE TEMPERATURE AFFECTING CONDENSER VACCUUM.

LAST IE SITE INSPECTION DATE: 08/31/89

INSPECTION REPORT NO: 89020

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-374 **OPERATING STATUS**

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: J.W. THUNSTEDT (815) 357-6761 X2463

4. Licensed Thermal Power (MWT): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any:
NONE

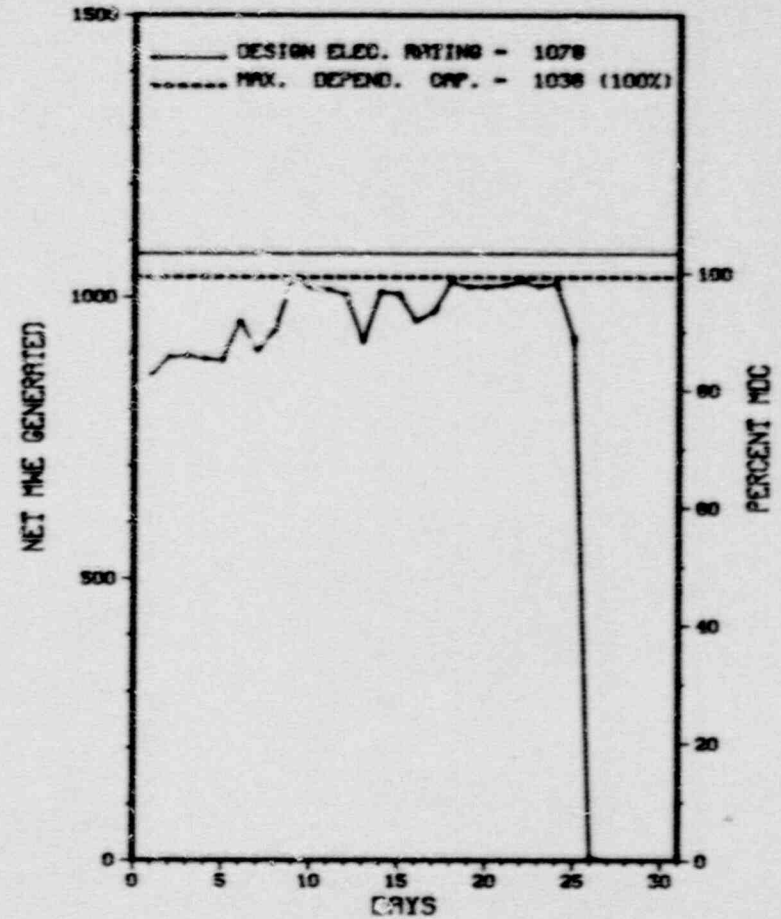
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>42,671.0</u>
13. Hours Reactor Critical	<u>604.2</u>	<u>4,777.3</u>	<u>28,210.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,716.7</u>
15. Hrs Generator On-Line	<u>604.2</u>	<u>4,725.7</u>	<u>27,793.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,892,160</u>	<u>14,474,904</u>	<u>80,414,511</u>
18. Gross Elec Ener (MWH)	<u>605,536</u>	<u>4,734,263</u>	<u>26,437,606</u>
19. Net Elec Ener (MWH)	<u>581,219</u>	<u>4,560,643</u>	<u>25,300,003</u>
20. Unit Service Factor	<u>81.2</u>	<u>81.0</u>	<u>65.1</u>
21. Unit Avail Factor	<u>81.2</u>	<u>81.0</u>	<u>65.1</u>
22. Unit Cap Factor (MDC Net)	<u>75.4</u>	<u>75.5</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>72.5</u>	<u>72.6</u>	<u>55.0</u>
24. Unit Forced Outage Rate	<u>18.8</u>	<u>2.9</u>	<u>14.0</u>
25. Forced Outage Hours	<u>139.8</u>	<u>139.8</u>	<u>4,531.2</u>

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

27. If Currently Shutdown Estimated Startup Date: 09/30/89

* LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LASALLE 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
20	08/01/89	S	0.0	A	5			REPAIRED FEED PUMP.
21	08/03/89	S	0.0	B	5			CRD EXERCISING.
22	08/07/89	S	0.0	F	5			LOAD DISPATCHER.
23	08/09/89	S	0.0	F	5			FCL ROD-PULL
24	08/13/89	S	0.0	F	5			LOAD DISPATCHER.
25	08/25/89	S	0.0	B	5			REPAIR 2B RR PUMP SEALS.
26	08/26/89	F	139.8	H	3			AUTOMATIC SCRAM FROM UNKNOWN CAUSE WHILE SHUTTING DOWN FOR RR PUMP SEAL MAINTENANCE.

 * SUMMARY *

 LASALLE 2 INCURRED SEVERAL POWER REDUCTIONS AND ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE. THE UNIT REMAINED SHUTDOWN AT MONTHS END.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER....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

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

INSPECTION SUMMARY

INSPECTION ON JUNE 5 THROUGH AUGUST 7 (89016; 89016): MANAGEMENT SUPPORT; PROTECTED AND VITAL AREA BARRIERS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING, MAINTENANCE AND COMPENSATORY MEASURES; TRAINING AND QUALIFICATION; ALLEGATIONS REGARDING CONTRACTOR BACKGROUND SCREENING AND ACCESS CONTROL REQUIREMENTS; AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED. A WEAKNESS IN THE LICENSEE'S EVENT LOGGING PROGRAM WAS IDENTIFIED THAT IS SIMILAR TO A WEAKNESS IDENTIFIED AT DRESDEN AND WILL BE TRACKED UNDER THE DRESDEN STATION DOCKET NUMBER. LICENSEE SECURITY MANAGEMENT ATTENTION TO SECURITY ACTIVITIES IS ADEQUATE. THE ALLEGATIONS REGARDING ACCESS CONTROL AND BACKGROUND SCREENING ARE CLOSED.

INSPECTION ON JUNE 10 THROUGH JULY 24 (89017; 89017): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT AND REGIONAL INSPECTORS OF OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; ESF SYSTEM WALKDOWNS; QUALITY ASSURANCE PROGRAM IMPLEMENTATION; ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS; ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS AT OPERATING POWER REACTORS; RADIATION OCCURRENCE REPORTS; ALARA; AND LICENSEE SELF ASSESSMENT CAPABILITY; AND ENGINEERING EVALUATION OF CILRT TEMPERATURE SENSOR CHANGES. OF THE TEN AREAS INSPECTED, THERE WAS ONE VIOLATION IDENTIFIED. DURING THIS INSPECTION PERIOD, THERE WERE NINE EMERGENCY NOTIFICATION SYSTEM (ENS) NOTIFICATIONS, TWO OF WHICH WERE COURTESY CALLS FOR POTENTIAL QUALITY ASSURANCE (QA) DEFICIENCIES WITH MAIN STEAM ISOLATION VALVE (MSIV) ACTUATORS IDENTIFIED BY THE LICENSEE'S QA ORGANIZATION. TWO ENS CALLS PERTAINED TO PROBLEMS WITH THE UNIT 2, DIVISION III BATTERY CHARGER, ONE ENS CALL PERTAINED TO THE SECOND OCCURRENCE OF THE LOSS OF THE UNIT 2 SYSTEM AUXILIARY TRANSFORMER (SAT) AND THE ASSOCIATED SYSTEM ISOLATIONS AND ENGINEERED SAFETY FEATURE (ESF) ACTUATION, ONE ENS CALL PERTAINED TO A PARTIAL ESF OF THE UNIT 1 REACTOR WATER CLEANUP SYSTEM THAT RESULTED FROM THE UNIT 2 SAT EVENT, ONE ENS CALL PERTAINED TO THE HIGH PRESSURE CORE SPRAY (HPCS) SYSTEM BEING INOPERABLE BECAUSE OF ITS

Report Period AUG 1989

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

* LASALLE 2 *

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
89-1	071589	081489	HIGH PRESSURE CORE SPAY INOPERABLE DUE TO DIVISION III BATTERY CHARGER OSCILLATIONS.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-352 O P E R A T I N G S T A T U S
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: J.J. MURPHY (215) 327-1200 EXT. 3752
 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): _____
 11. Reasons for Restrictions, If Any: _____

NONE

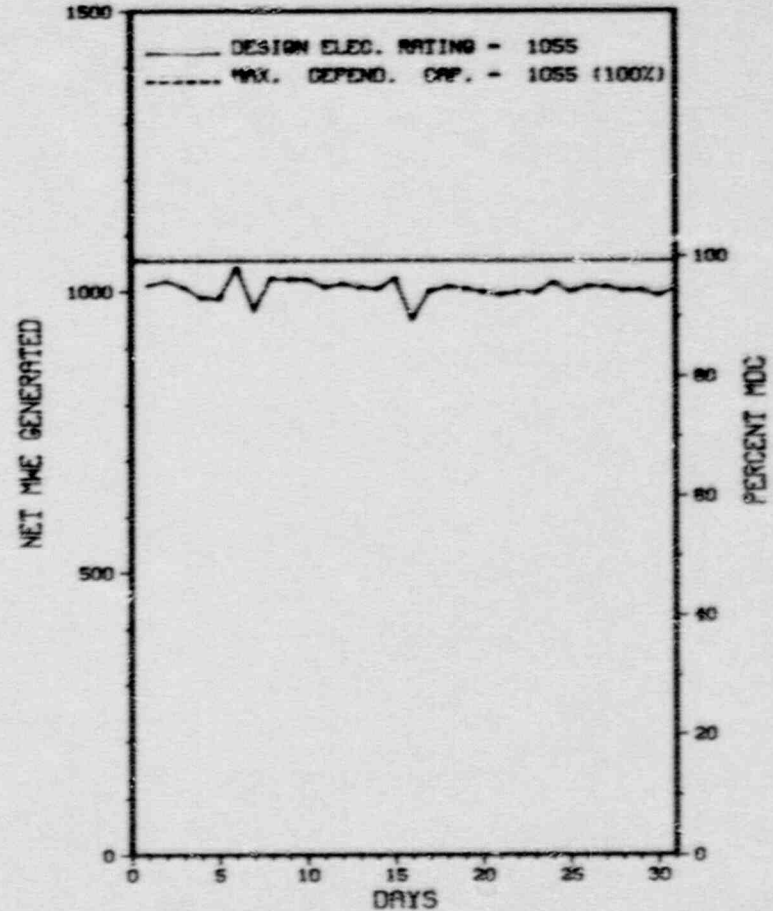
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>31,391.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,855.5</u>	<u>24,175.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,709.9</u>	<u>23,742.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,442,833</u>	<u>7,542,005</u>	<u>68,339,762</u>
18. Gross Elec Ener (MWH)	<u>788,330</u>	<u>2,410,830</u>	<u>22,092,500</u>
19. Net Elec Ener (MWH)	<u>746,975</u>	<u>2,239,258</u>	<u>21,081,846</u>
20. Unit Service Factor	<u>100.0</u>	<u>46.5</u>	<u>75.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>46.5</u>	<u>75.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>36.4</u>	<u>63.7</u>
23. Unit Cap Factor (DER Net)	<u>95.2</u>	<u>36.4</u>	<u>63.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>805.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MID-CYCLE - FEB. 2, 1990

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

 * LIMERICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 LIMERICK 1



AUGUST 1989

Report Period AUG 1989

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 ROUTINELY DURING AUGUST 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)

* LIMERICK 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....MONTGOMERY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI NW OF
PHILADELPHIA, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...DECEMBER 22, 1984
DATE ELEC ENER 1ST GENER...APRIL 13, 1985
DATE COMMERCIAL OPERATE...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.....1
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 AUG 1989

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

* LIMERICK 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D.A. RIVARD (207) 882-6321

4. Licensed Thermal Power (Mwt): 2700

5. Nameplate Rating (Gross MWe): 0890

6. Design Electrical Rating (Net MWe): 840

7. Maximum Dependable Capacity (Gross MWe): 870

8. Maximum Dependable Capacity (Net MWe): 830

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 3-7. AMENDMENT TO TECH SPECS.

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

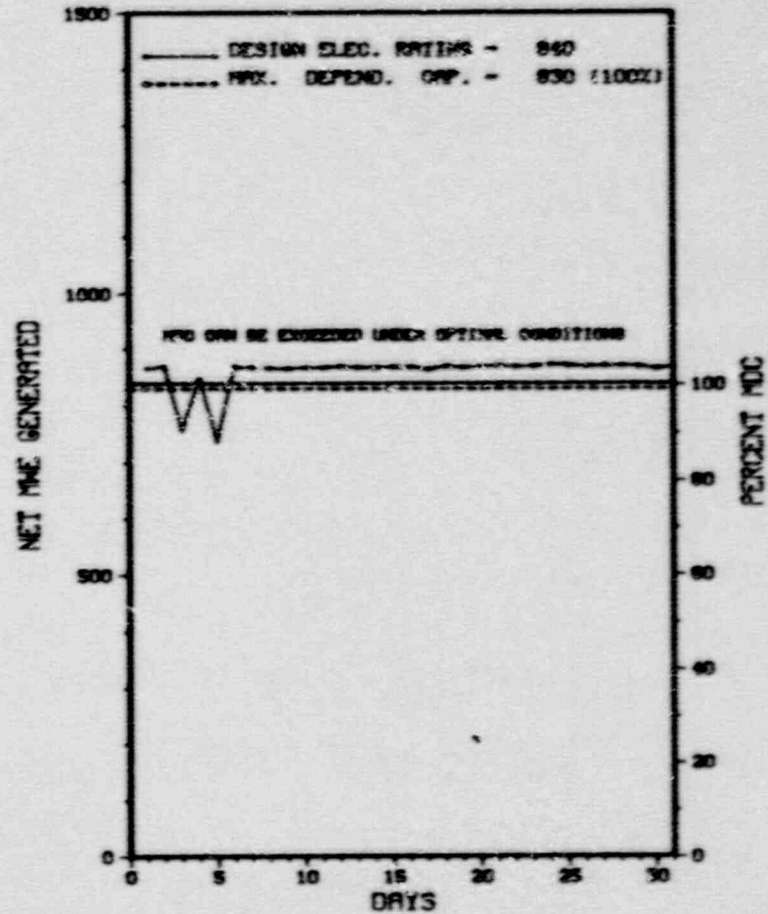
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>147,371.6</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,629.2</u>	<u>118,431.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,576.1</u>	<u>115,022.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,944,989</u>	<u>14,534,528</u>	<u>265,607,244</u>
18. Gross Elec Ener (MWH)	<u>659,810</u>	<u>4,938,270</u>	<u>87,026,630</u>
19. Net Elec Ener (MWH)	<u>639,522</u>	<u>4,773,186</u>	<u>83,265,337</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.6</u>	<u>78.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.6</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>103.6</u>	<u>100.7</u>	<u>71.2*</u>
23. Unit Cap Factor (DER Net)	<u>102.3</u>	<u>99.5</u>	<u>69.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>254.9</u>	<u>8,428.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MAINE YANKEE



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
89-15	08/03/89	F	0.0	A	5		RB	POWER WAS REDUCED TO 49% TO RECOVER A DROPPED CEA. THE UNIT WAS RETURNED TO 75% POWER AND HELD THERE FOR VALVE AND EFCV TESTING. THE UNIT WAS RETURNED TO 100% POWER.
89-16	08/04/89	S	0.0	B	5		HB VALVEX	POWER WAS REDUCED TO 75% FOR MUSSEL CONTROL AND CIRC WATER BOX CLEANING. THE UNIT WAS RETURNED TO 100% POWER.

 * SUMMARY *

 MAINE YANKEE INCURRED TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* MAINE YANKEE *

FACILITY DATA

Report Period AUG 1989

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.....E. LEEDS
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 AUG 1989

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

* MAINE YANKEE *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-369 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. A. WILLIAMS (704) 373-5987

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1171

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

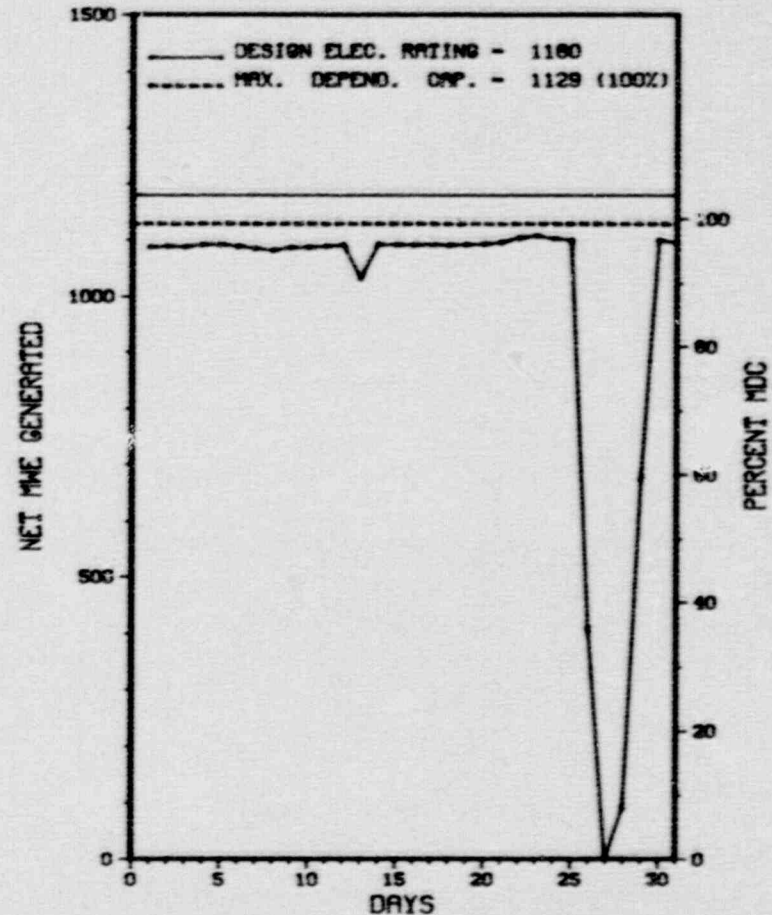
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>67,943.0</u>
13. Hours Reactor Critical	<u>698.3</u>	<u>4,281.8</u>	<u>47,930.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>691.5</u>	<u>4,260.1</u>	<u>47,370.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,300,333</u>	<u>13,846,909</u>	<u>141,469,267</u>
18. Gross Elec Ener (MWH)	<u>766,512</u>	<u>4,722,001</u>	<u>48,820,378</u>
19. Net Elec Ener (MWH)	<u>733,794</u>	<u>4,522,623</u>	<u>46,576,231</u>
20. Unit Service Factor	<u>92.9</u>	<u>73.1</u>	<u>69.7</u>
21. Unit Avail Factor	<u>92.9</u>	<u>73.1</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>87.4</u>	<u>68.7</u>	<u>60.7</u>
23. Unit Cap Factor (DER Net)	<u>83.6</u>	<u>65.7</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>7.1</u>	<u>26.9</u>	<u>14.0</u>
25. Forced Outage Hours	<u>52.5</u>	<u>1,568.3</u>	<u>7,683.8</u>

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

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MCGUIRE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18-P	08/13/89	S	0.0	F	5		ZZ	ZZZZZ	LOAD REDUCTION PER DISPATCHER REQUEST
4	08/26/89	F	52.5	A	3		IA	INSTRU	REACTOR TRIP DUE TO FALSE INDICATION OF LOW REACTOR COOLANT FLOW
19-P	08/28/89	F	0.0	A	5		HH	PUMPXX	HALTED POWER INCREASE DUE TO '1A' FEEDWATER PUMP PROBLEMS

 * SUMMARY *

 MCGUIRE 1 INCURRED ONE FORCED OUTAGE AND TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* MCGUIRE 1 *

FACILITY DATA

Report Period AUG 1989

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.....50-379

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

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

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

INSPECTION SUMMARY

+ INSPECTION JUNE 2-28 (89-16): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND FOLLOWUP ON LICENSEE EVENT REPORTS AND PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, ONE DEVIATION AND ONE VIOLATION WERE IDENTIFIED AS FOLLOWS: DEVIATION: FAILURE TO MEET COMMITMENT TO PROVIDE BYPASS INDICATION FOR CONTROL ROOM VENTILATION SYSTEM. VIOLATION: FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL MEASURES FOR AIR OPERATED VALVE COMPONENTS. AN EXAMPLE WAS CITED WHEREBY NON-SAFETY-RELATED EQUIPMENT WAS INSTALLED BETWEEN A SAFETY-RELATED SOLENOID AND SAFETY RELATED VALVE ACTUATOR. ALTHOUGH THIS ISSUE WAS LICENSEE IDENTIFIED ALL CRITERIA FOR A NON-CITED VIOLATION WERE NOT MET. DURING THIS INSPECTION THE LICENSEE DISCUSSED A NUMBER OF INITIATIVES IN AN NRC LICENSEE INTERFACE MEETING.

INSPECTION JUNE 29 - JULY 28 (89-18): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, FOLLOWUP OF LICENSEE EVENT REPORTS, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. THE LICENSEE IDENTIFIED AN INOPERABLE POWER OPERATED RELIEF VALVE WHICH SHOULD HAVE BEEN DISCOVERED BY POST MAINTENANCE TESTING. A PREVIOUS VIOLATION HAD BEEN ISSUED FOR SIMILAR PROBLEMS OCCURRING IN THE SAME TIME FRAME. PREVIOUS CORRECTIVE ACTIONS APPEAR APPROPRIATE FOR THIS PROBLEM, THEREFORE, A VIOLATION WAS NOT CITED.

INSPECTION JULY 17-21 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF CONTAINMENT LOCAL LEAK RATE TESTING AND VERIFICATION OF CONTAINMENT INTEGRITY. THE LICENSEE'S LLRT PROGRAM WAS ADEQUATE IN ALL AREAS INSPECTED. LLRT AND CONTAINMENT RELATED PROCEDURES WERE DEVELOPED AND WERE BEING IMPLEMENTED IN ACCORDANCE WITH THE REGULATORY REQUIREMENTS. THE

INSPECTION SUMMARY

INSPECTOR WITNESSED LEAK RATE TESTING AND CONCLUDED THAT PERSONNEL WERE KNOWLEDGEABLE OF TEST PRACTICES AND REQUIREMENTS. IN THE AREA OF CONTAINMENT INTEGRITY, THE INSPECTOR FOUND ADEQUATE PROCEDURES AND CONTROLS ESTABLISHED TO ENSURE CONTAINMENT INTEGRITY DURING PLANT STARTUP AND OPERATION. A WALKDOWN OF SELECTED PENETRATIONS ON UNIT 1 IDENTIFIED NO DISCREPANCIES; ALL MANUAL CONTAINMENT ISOLATION VALVES WERE IN THEIR REQUIRED POSITION FOR PLANT OPERATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 7-18 (89-21): THIS REACTIVE, UNANNOUNCED INSPECTION ADDRESSED THE OPERATION OF UNIT 1 ON JULY 5, 1989 FOLLOWING AN IMPROPERLY PERFORMED REACTOR HEAT BALANCE AND THE CONCOMITANT NON-CONSERVATIVE CALIBRATION OF THE POWER RANGE NUCLEAR INSTRUMENTS. UNIT 1 WAS FOUND TO HAVE OPERATED IN EXCESS OF 101% OF RATED THERMAL POWER FOR A PERIOD OF NEARLY THREE HOURS. FURTHERMORE, THE UNIT OPERATED IN EXCESS OF 102% OF RATED THERMAL POWER FOR A PERIOD OF LESS THAN 10 MINUTES. IT WAS DETERMINED THAT THE LICENSEE HAD AN OPPORTUNITY TO IDENTIFY THE HEAT BALANCE ERROR SEVERAL HOURS BEFORE IT WAS IDENTIFIED AND BEFORE RATED THERMAL POWER WAS EXCEEDED. CONSEQUENTLY, THE OVERPOWER OPERATION WAS IDENTIFIED AS A VIOLATION. THE MISCALIBRATION OF THE NUCLEAR INSTRUMENTS DID NOT LEAD TO OPERATION WITH THE HIGH FLUX TRIP SETPOINT GREATER THAN THAT USED IN THE SAFETY ANALYSES OF REACTIVITY TRANSIENTS. THE OVERPOWER-DELTA-TEMPERATURE TRIP WAS FUNCTIONAL THROUGHOUT THE EVENT.

INSPECTION JULY 24-28 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF INSERVICE INSPECTION (ISI), INCLUDING THE EDDY CURRENT EXAMINATION OF THE UNIT 2 STEAM GENERATOR (SG) TUBING, AND PREVIOUS OPEN ITEM. THE INSPECTION INCLUDED A REVIEW OF PROCEDURES; VISUAL REINSPECTIONS OF PIPE SUPPORTS; A REVIEW OF ISI DATA AND ENGINEERING EVALUATION OF PIPE SUPPORTS; OBSERVATION OF EDDY CURRENT DATA COLLECTION; REVIEWS OF EDDY CURRENT DATA ANALYSIS AND RESOLUTION; AND REVIEWS OF DOCUMENTATION FOR EQUIPMENT CALIBRATION AND PERSONNEL QUALIFICATIONS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE INSPECTOR FOLLOWUP ITEM (IFI) WAS IDENTIFIED FOR THE DISCREPANCIES FOUND IN THE PIPE SUPPORT REINSPECTION. THE LICENSEE ISI PROCEDURES APPEAR ADEQUATE IN THE AREAS INSPECTED AND NO MAJOR PROBLEMS WERE IDENTIFIED IN ANY OF THE ISI AREAS INSPECTED. PERSONS CONTACTED WERE KNOWLEDGEABLE AND COOPERATIVE, AND RESPONSIBLE ENGINEERS ADEQUATELY PERFORMED EVALUATION AND RESOLUTION OF ISI FINDINGS.

INSPECTION JULY 27 (89-23): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW THE SECURITY EVENT LOGS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF THE SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROL AND COMPENSATORY MEASURES.

INSPECTION AUGUST 7-11 (89-26): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT CHEMISTRY, PREVIOUSLY IDENTIFIED ITEMS, AND STATUS OF THE STEAM GENERATOR BLOWDOWN RECYCLE SYSTEM. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE LICENSEE HAD EFFECTIVELY MAINTAINED PRIMARY CHEMISTRY WITHIN TECHNICAL SPECIFICATION REQUIREMENTS AND SECONDARY CHEMISTRY WITHIN THE LIMITS RECOMMENDED BY THE STEAM GENERATORS' OWNERS' GROUP. ONE UNRESOLVED ITEM REMAINED OPEN CONCERNING THE RADIOIODINE AND PARTICULATE SAMPLING REQUIREMENTS OF NUREG 0737 IIF.1-2. LICENSEE MANAGEMENT VERBALLY COMMITTED TO INSTALL THE HEAT TRACING TO OUTSIDE SAMPLING LINES BY OCTOBER 31, 1989. THE STEAM GENERATOR BLOWDOWN RECYCLE (BB) SYSTEM AND CORRECTIVE ACTIONS FOR THE POSSIBLE UNMONITORED RELEASE PATHWAY WERE DISCUSSED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, SURVEILLANCE PROCEDURES FOR MSIV TESTING WERE INADEQUATE IN THAT TESTING WAS PERFORMED WITH AIR ASSIST.
MCGUIRE 1 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-370 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: R. A. WILLIAMS (704)373-5987
4. Licensed Thermal Power (MMt): 3411
5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305
6. Design Electrical Rating (Net MWe): 1180
7. Maximum Dependable Capacity (Gross MWe): 1171
8. Maximum Dependable Capacity (Net MWe): 1129
9. If Changes Occur Above Since Last Report, Give Reasons:

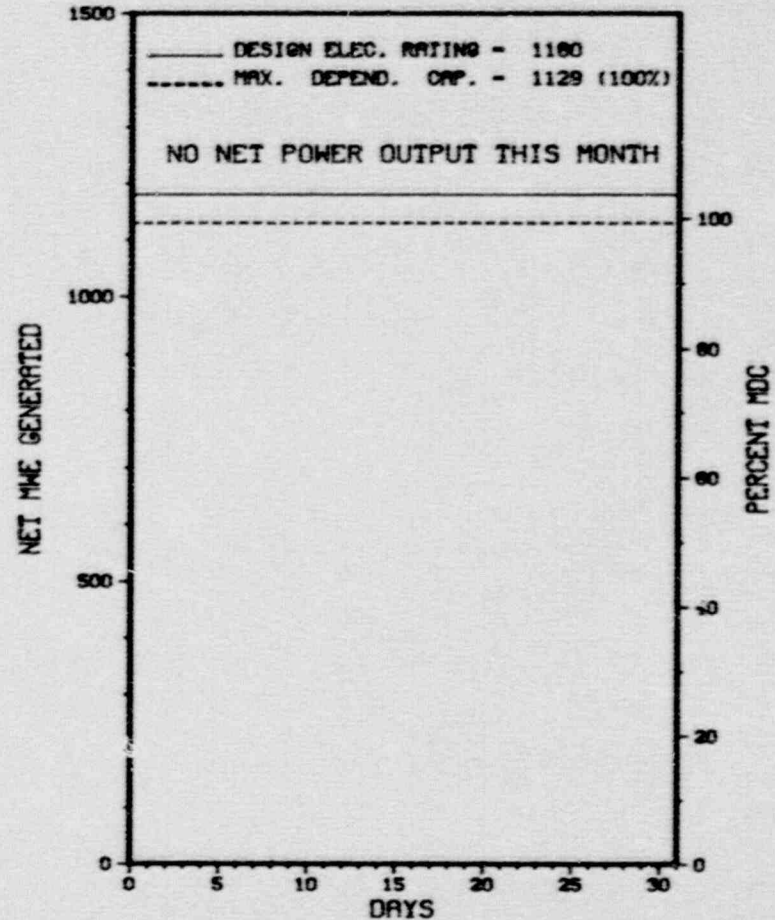
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>48,239.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,416.0</u>	<u>36,175.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,382.8</u>	<u>35,441.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>13,848,864</u>	<u>116,167,619</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,848,548</u>	<u>40,301,855</u>
19. Net Elec Ener (MWH)	<u>-5,548</u>	<u>4,651,369</u>	<u>38,641,484</u>
20. Unit Service Factor	<u>.0</u>	<u>75.2</u>	<u>73.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>75.2</u>	<u>73.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>70.7</u>	<u>71.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>67.6</u>	<u>67.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>61.9</u>	<u>3,530.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 09/16/89

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MCGUIRE 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	07/05/89	S	744.0	C	4		RC	FUELXX	END OF CYCLE 5 REFUELING OUTAGE

***** MCGUIRE 2 REMAINED SHUTDOWN DURING AUGUST FOR SCHEDULED REFUELING OUTAGE.
* SUMMARY *

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

* MCGUIRE 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 8, 1983
DATE ELEC ENER 1ST GENER...MAY 23, 1983
DATE COMMERCIAL OPERATE...MARCH 1, 1984

CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION JUNE 2-28 (89-16): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND FOLLOWUP ON LICENSEE EVENT REPORTS AND PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, ONE DEVIATION AND ONE VIOLATION WERE IDENTIFIED AS FOLLOWS: DEVIATION: FAILURE TO MEET COMMITMENT TO PROVIDE BYPASS INDICATION FOR CONTROL ROOM VENTILATION SYSTEM. VIOLATION: FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL MEASURES FOR AIR OPERATED VALVE COMPONENTS. AN EXAMPLE WAS CITED WHEREBY NON-SAFETY-RELATED EQUIPMENT WAS INSTALLED BETWEEN A SAFETY-RELATED SOLENOID AND SAFETY RELATED VALVE ACTUATOR. ALTHOUGH THIS ISSUE WAS LICENSEE IDENTIFIED ALL CRITERIA FOR A NON-CITED VIOLATION WERE NOT MET. DURING THIS INSPECTION THE LICENSEE DISCUSSED A NUMBER OF INITIATIVES IN AN NRC LICENSEE INTERFACE MEETING.

INSPECTION JUNE 29 - JULY 28 (89-18): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, FOLLOWUP OF LICENSEE EVENT REPORTS, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. THE LICENSEE IDENTIFIED AN INOPERABLE POWER OPERATED RELIEF VALVE WHICH SHOULD HAVE BEEN DISCOVERED BY POST MAINTENANCE TESTING. A PREVIOUS VIOLATION HAD BEEN ISSUED FOR SIMILAR PROBLEMS OCCURRING IN THE SAME TIME FRAME. PREVIOUS CORRECTIVE ACTIONS APPEAR APPROPRIATE FOR THIS PROBLEM, THEREFORE, A VIOLATION WAS NOT CITED.

INSPECTION JULY 17-21 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF CONTAINMENT LOCAL LEAK RATE TESTING AND VERIFICATION OF CONTAINMENT INTEGRITY. THE LICENSEE'S LLRT PROGRAM WAS ADEQUATE IN ALL AREAS INSPECTED. LLRT AND CONTAINMENT RELATED PROCEDURES WERE DEVELOPED AND WERE BEING IMPLEMENTED IN ACCORDANCE WITH THE REGULATORY REQUIREMENTS. THE

INSPECTION SUMMARY

INSPECTOR WITNESSED LEAK RATE TESTING AND CONCLUDED THAT PERSONNEL WERE KNOWLEDGEABLE OF TEST PRACTICES AND REQUIREMENTS. IN THE AREA OF CONTAINMENT INTEGRITY, THE INSPECTOR FOUND ADEQUATE PROCEDURES AND CONTROLS ESTABLISHED TO ENSURE CONTAINMENT INTEGRITY DURING PLANT STARTUP AND OPERATION. A WALKDOWN OF SELECTED PENETRATIONS ON UNIT 1 IDENTIFIED NO DISCREPANCIES; ALL MANUAL CONTAINMENT ISOLATION VALVES WERE IN THEIR REQUIRED POSITION FOR PLANT OPERATION. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JULY 7-18 (89-21): THIS REACTIVE, UNANNOUNCED INSPECTION ADDRESSED THE OPERATION OF UNIT 1 ON JULY 5, 1989 FOLLOWING AN IMPROPERLY PERFORMED REACTOR HEAT BALANCE AND THE CONCOMITANT NON-CONSERVATIVE CALIBRATION OF THE POWER RANGE NUCLEAR INSTRUMENTS. UNIT 1 WAS FOUND TO HAVE OPERATED IN EXCESS OF 101% OF RATED THERMAL POWER FOR A PERIOD OF NEARLY THREE HOURS. FURTHERMORE, THE UNIT OPERATED IN EXCESS OF 102% OF RATED THERMAL POWER FOR A PERIOD OF LESS THAN 10 MINUTES. IT WAS DETERMINED THAT THE LICENSEE HAD AN OPPORTUNITY TO IDENTIFY THE HEAT BALANCE ERROR SEVERAL HOURS BEFORE IT WAS IDENTIFIED AND BEFORE RATED THERMAL POWER WAS EXCEEDED. CONSEQUENTLY, THE OVERPOWER OPERATION WAS IDENTIFIED AS A VIOLATION. THE MISCALIBRATION OF THE NUCLEAR INSTRUMENTS DID NOT LEAD TO OPERATION WITH THE HIGH FLUX TRIP SETPOINT GREATER THAN THAT USED IN THE SAFETY ANALYSES OF REACTIVITY TRANSIENTS. THE OVERPOWER-DELTA-TEMPERATURE TRIP WAS FUNCTIONAL THROUGHOUT THE EVENT.

INSPECTION JULY 24-28 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF INSERVICE INSPECTION (ISI), INCLUDING THE EDDY CURRENT EXAMINATION OF THE UNIT 2 STEAM GENERATOR (SG) TUBING, AND PREVIOUS OPEN ITEM. THE INSPECTION INCLUDED A REVIEW OF PROCEDURES; VISUAL REINSPECTIONS OF PIPE SUPPORTS; A REVIEW OF ISI DATA AND ENGINEERING EVALUATION OF PIPE SUPPORTS; OBSERVATION OF EDDY CURRENT DATA COLLECTION; REVIEWS OF EDDY CURRENT DATA ANALYSIS AND RESOLUTION; AND REVIEWS OF DOCUMENTATION FOR EQUIPMENT CALIBRATION AND PERSONNEL QUALIFICATIONS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE INSPECTOR FOLLOWUP ITEM (IFI) WAS IDENTIFIED FOR THE DISCREPANCIES FOUND IN THE PIPE SUPPORT REINSPECTION. THE LICENSEE ISI PROCEDURES APPEAR ADEQUATE IN THE AREAS INSPECTED AND NO MAJOR PROBLEMS WERE IDENTIFIED IN ANY OF THE ISI AREAS INSPECTED. PERSONS CONTACTED WERE KNOWLEDGEABLE AND COOPERATIVE, AND RESPONSIBLE ENGINEERS ADEQUATELY PERFORMED EVALUATION AND RESOLUTION OF ISI FINDINGS.

INSPECTION JULY 27 (89-23): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW THE SECURITY EVENT LOGS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF THE SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROL AND COMPENSATORY MEASURES.

INSPECTION AUGUST 7-11 (89-26): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT CHEMISTRY, PREVIOUSLY IDENTIFIED ITEMS, AND STATUS OF THE STEAM GENERATOR BLOWDOWN RECYCLE SYSTEM. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE LICENSEE HAD EFFECTIVELY MAINTAINED PRIMARY CHEMISTRY WITHIN TECHNICAL SPECIFICATION REQUIREMENTS AND SECONDARY CHEMISTRY WITHIN THE LIMITS RECOMMENDED BY THE STEAM GENERATORS' OWNERS' GROUP. ONE UNRESOLVED ITEM REMAINED OPEN CONCERNING THE RADIOIODINE AND PARTICULATE SAMPLING REQUIREMENTS OF NUREG 0737 IIF.1-2. LICENSEE MANAGEMENT VERBALLY COMMITTED TO INSTALL THE HEAT TRACING TO OUTSIDE SAMPLING LINES BY OCTOBER 31, 1989. THE STEAM GENERATOR BLOWDOWN RECYCLE (BB) SYSTEM AND CORRECTIVE ACTIONS FOR THE POSSIBLE UNMONITORED RELEASE PATHWAY WERE DISCUSSED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-245 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. NEWBURGH (203) 447-1791 X4400

4. Licensed Thermal Power (MWh): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>164,423.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,529.8</u>	<u>129,517.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,283.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,466.5</u>	<u>126,263.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>277.4</u>
17. Gross Therm Ener (MWH)	<u>1,464,018</u>	<u>8,689,663</u>	<u>235,874,324</u>
18. Gross Elec Ener (MWH)	<u>495,900</u>	<u>2,969,800</u>	<u>79,533,396</u>
19. Net Elec Ener (MWH)	<u>474,351</u>	<u>2,835,102</u>	<u>75,888,283</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.6</u>	<u>76.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.6</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>74.3</u>	<u>70.6</u>
23. Unit Cap Factor (DER Net)	<u>96.6</u>	<u>73.7</u>	<u>69.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>10.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>102.7</u>	<u>6,588.6</u>

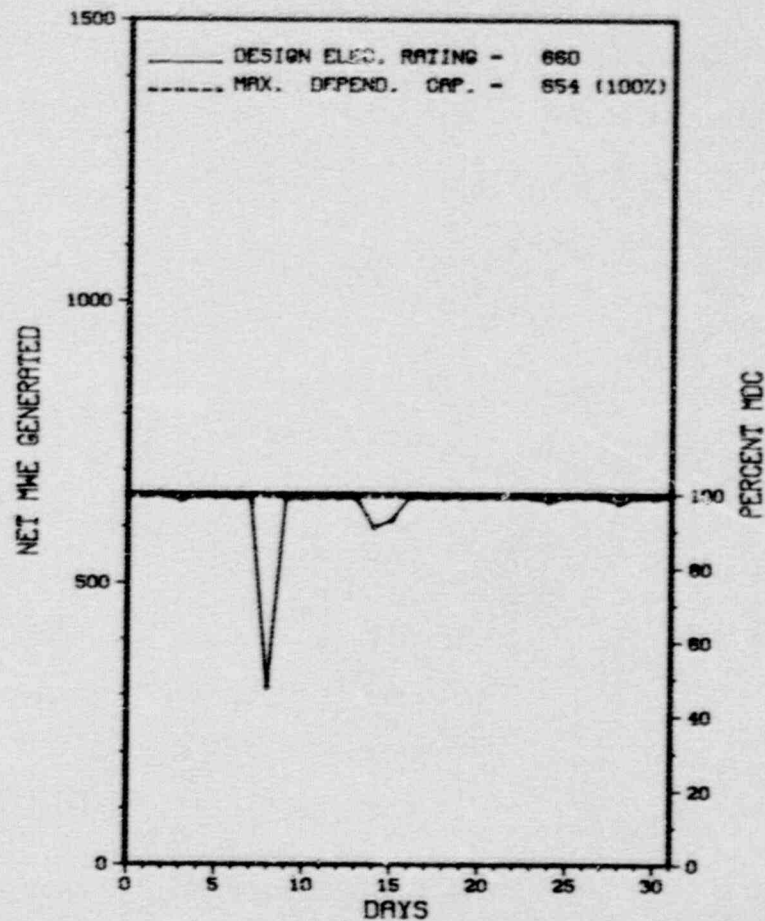
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-06	08/08/89	F	0.0	B	5				POWER REDUCTION TO INVESTIGATE RECIRC. PUMP LOW OIL LEVEL INDICATION.

* SUMMARY *

MILLSTONE 1 INCURRED ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* MILLSTONE 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

UTILITY
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.

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. NERON (203) 447-1791 EXT 4417

4. Licensed Thermal Power (MWh): 2700

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:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

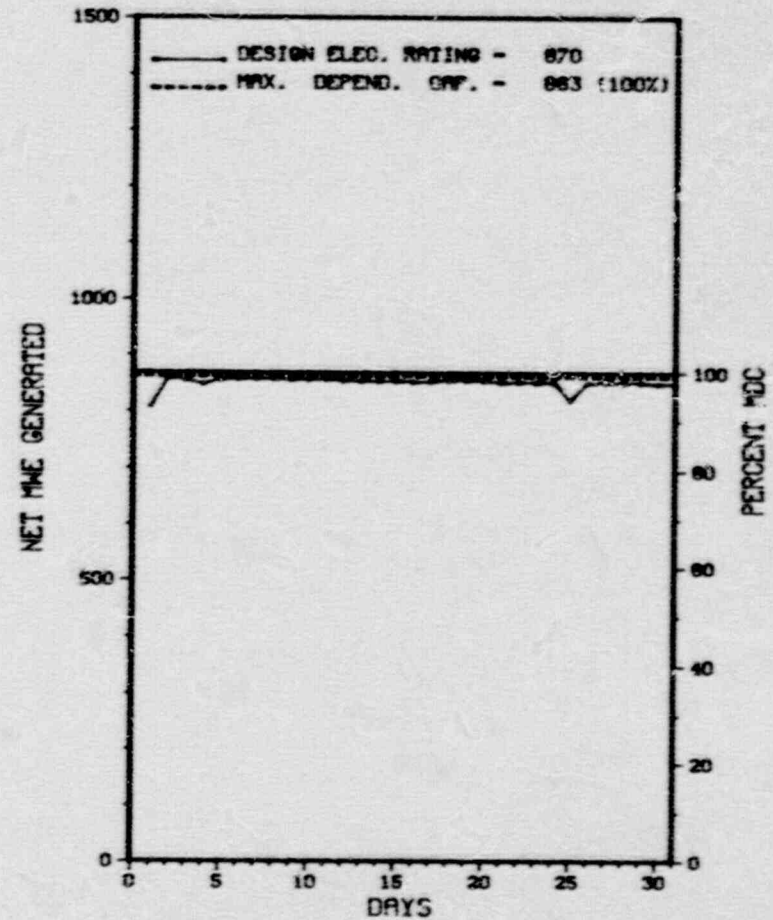
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>119,951.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,874.4</u>	<u>87,091.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,759.6</u>	<u>83,823.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>2,001,979</u>	<u>9,990,647</u>	<u>215,399,656</u>
18. Gross Elec Ener (MWH)	<u>656,509</u>	<u>3,281,846</u>	<u>70,103,360</u>
19. Net Elec Ener (MWH)	<u>633,742</u>	<u>3,150,715</u>	<u>67,259,580</u>
20. Unit Service Factor	<u>100.0</u>	<u>64.5</u>	<u>69.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>64.5</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>62.6</u>	<u>66.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>62.1</u>	<u>65.0*</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>12,013.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
EXAM OF S.G. TUBES - OCT 21, 1989 - 5 WEEK DURATION.

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

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

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

NONE

* SUMMARY *

MILLSTONE 2 OPERATED ROUTINELY DURING AUGUST 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)

* MILLSTONE 2 *

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

Report Period AUG 1989

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.....W. RAYMOND
LICENSING PROJ MANAGER.....G. VISSING
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

CONTRARY TO PLANT SURVEILLANCE TECHNICAL SPECIFICATION 4.3.2.1.1, LICENSEE SURVEILLANCE PROCEDURE SP-2403A DID NOT FULFILL THE REQUIREMENTS OF TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT TABLE 4.3-2 ITEM 2C. THE REQUIREMENT WAS AMENDED TO LICENSEE'S TECHNICAL SPECIFICATIONS ON APRIL 9, 1981.

MILLSTONE 2 (8901 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

Report Period AUG 1989

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

* MILLSTONE 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-423 OPERATING STATUS

2 Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: A. ELMS (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>744.0</u>	<u>5,831.0</u>	<u>29,447.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,987.6</u>	<u>22,947.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>29.0</u>	<u>723.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,931.0</u>	<u>22,477.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,463,752</u>	<u>12,766,519</u>	<u>78,304,659</u>
18. Gross Elec Ener (MWH)	<u>843,867</u>	<u>4,346,341</u>	<u>25,605,731</u>
19. Net Elec Ener (MWH)	<u>808,463</u>	<u>4,133,452</u>	<u>24,412,158</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.4</u>	<u>76.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.4</u>	<u>76.3</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>62.1</u>	<u>72.6</u>
23. Unit Cap Factor (DER Net)	<u>94.2</u>	<u>61.4</u>	<u>71.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.2</u>	<u>9.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>447.9</u>	<u>2,395.9</u>

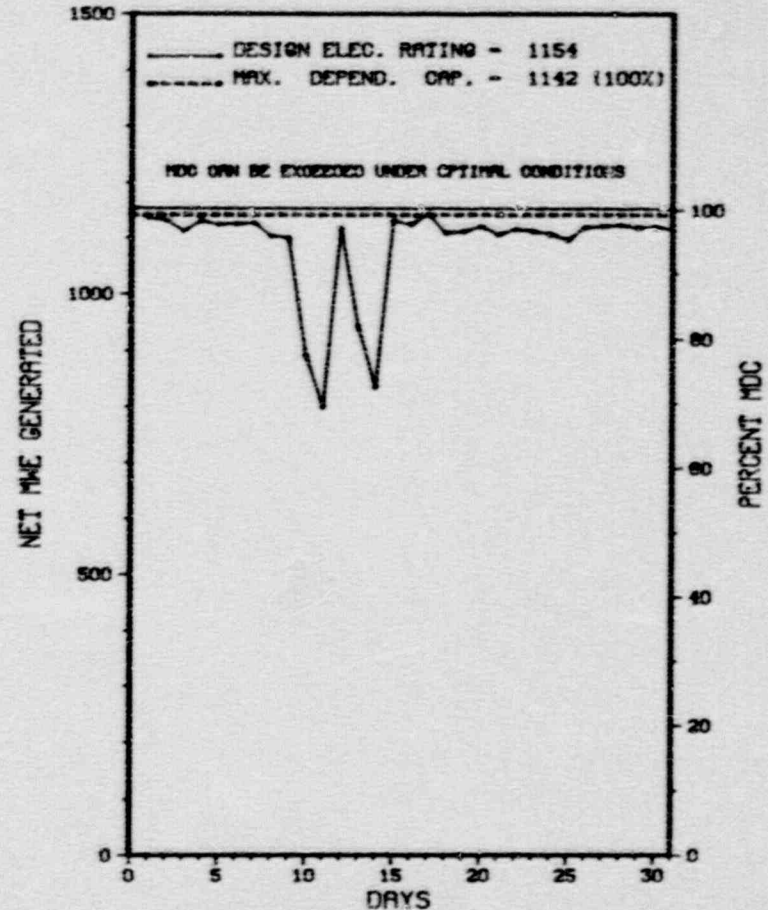
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* MILLSTONE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 3 *

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

NONE

* SUMMARY *

MILLSTONE 3 OPERATED ROUTINELY DURING AUGUST 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)

* MILLSTONE 3 *

FACILITY DATA

Report Period AUG 1989

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...NIANTIC BAY
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.....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

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: 50-263 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: H. H. PAUSTIAN (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

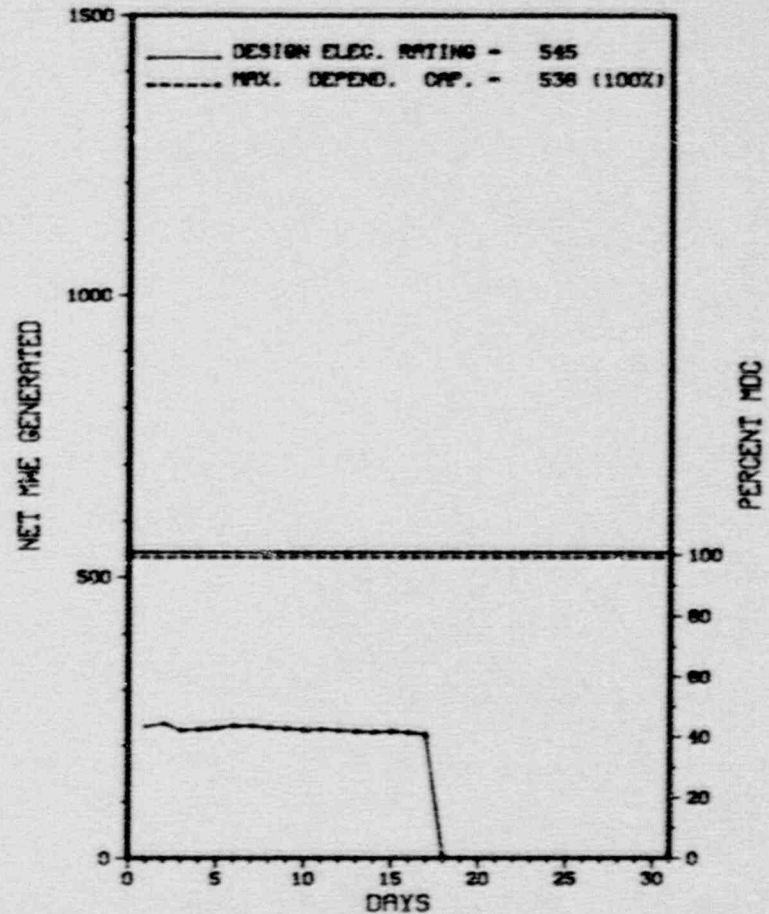
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>159,288.0</u>
13. Hours Reactor Critical	<u>413.4</u>	<u>5,391.2</u>	<u>126,396.9</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>411.0</u>	<u>5,355.1</u>	<u>124,128.0</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MkWh)	<u>336,989</u>	<u>6,489,132</u>	<u>196,421,216</u>
18. Gross Elec Ener (MWh)	<u>102,102</u>	<u>2,116,570</u>	<u>63,762,282</u>
19. Net Elec Ener (MWh)	<u>92,802</u>	<u>2,007,907</u>	<u>60,952,603</u>
20. Unit Service Factor	<u>55.2</u>	<u>91.8</u>	<u>77.9</u>
21. Unit Avail Factor	<u>55.2</u>	<u>91.8</u>	<u>77.9</u>
22. Unit Cap Factor (MDC Net)	<u>23.3</u>	<u>64.2</u>	<u>71.4</u>
23. Unit Cap Factor (DER Net)	<u>22.9</u>	<u>63.2</u>	<u>70.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>4.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>98.9</u>	<u>1,621.9</u>

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

27. If Currently Shutdown Estimated Startup Date: 11/05/89

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MONTICELLO



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/18/89	S	333.0	C	1				PLANT SHUTDOWN FOR 1989 (EOC13) REFUELING OUTAGE

* SUMMARY *

MONTICELLO ENTERED AUGUST IN END-OF-CYCLE COASTDOWN FOR SCHEDULED REFUELING OUTAGE.
THE UNIT ENTERED REFUELING OUTAGE ON AUGUST 18 AND REMAINED SHUTDOWN THE REMAINDER OF THE MONTH.

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

* MONTICELLO *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

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

DATE COMMERCIAL OPERATE...JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER.. GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....P. HARTMAN

LICENSING PROJ MANAGER.....W. LONG
DOCKET NUMBER.....50-263

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

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

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

INSPECTION SUMMARY

INSPECTION ON JULY 17-21 (89018): A SPECIAL SAFETY ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS ASSOCIATED WITH A RCIC STEAM TURBINE TRANSIENT ANALYSIS (92701) AND THE SEISMIC QUALIFICATION OF TORUS INSTRUMENT PIPING (37700). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. DURING THE COURSE OF THE INSPECTION, THE FOLLOWING STRENGTHS OF LICENSEE ACTIVITIES WERE NOTED. LICENSEE STRENGTHS: THE ENGINEERING ANALYSES APPEARED TO BE WELL DOCUMENTED AND REFERENCED. THE LICENSEE'S STAFF APPEARED TO BE TECHNICALLY COMPETENT, KNOWLEDGEABLE AND TO HAVE A POSITIVE ATTITUDE TOWARD SAFE OPERATION OF THE PLANT.

INSPECTION ON JULY 24-28 (89015): A ROUTINE, ANNOUNCED INSPECTION OF THE MONTICELLO ANNUAL EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SIX NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE (IP 82310). A REVIEW OF THE METEOROLOGICAL MONITORING PROGRAM (IP 80724 AND 84750) WAS ALSO PERFORMED. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE DEMONSTRATED AN ADEQUATE RESPONSE TO A HYPOTHETICAL SCENARIO INVOLVING MULTIPLE EQUIPMENT FAILURES AND A LARGE RADIOLOGICAL RELEASE. EXERCISE PERFORMANCE WAS VERY GOOD, EXCEPT THAT THE ENGINEERING GROUP IN THE TECHNICAL SUPPORT CENTER NEEDS TO BE BETTER INTEGRATED INTO THE OVERALL RESPONSE PROGRAM, AND SIZE/LOCATION AND OPERABILITY CONCERNS WITH THE OSC NEED TO BE ADDRESSED.

1. Docket: 5J-220 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: K. DAHLBERG (315) 349-2443

4. Licensed Thermal Power (Mwt): 1850

5. Nameplate Rating (Gross MWe): 640

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

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

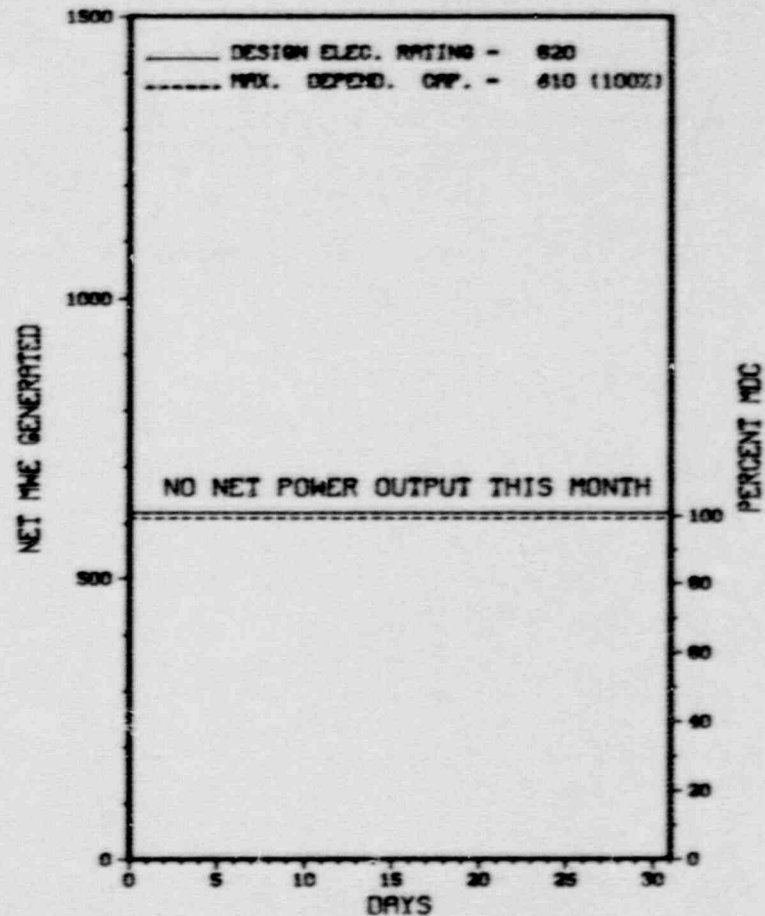
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>173,855.0</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>-2,957</u>	<u>-33,076</u>	<u>60,491,303</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>64.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>64.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>22.1</u>
25. Forced Outage Hours	<u>744.0</u>	<u>5,831.0</u>	<u>27,118.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>10/15/89</u>			

* NINE MILE POINT 1 *

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



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-01	04/16/88	F	744.0	F	4			THE DECISION WAS MADE TO START THE REFUEL OUTAGE SINCE THE PLANT WAS ALREADY SHUTDOWN DUE TO PROBLEMS WITHIN THE FEEDWATER SYSTEM. RECLASSIFIED AS FORCED OUTAGE STARTING 4/16/88.

 * SUMMARY *

 NINE MILE POINT 1 REMAINED SHUTDOWN DURING AUGUST FOR REFUELING AND TO CORRECT PROBLEMS WITH THE FEEDWATER SYSTEM.

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

* NINE MILE POINT 1 *

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

Report Period AUG 1989

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 EMER 1ST GENER...NOVEMBER 9, 1969
DATE COMMERCIAL OPERATE...DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COORDIL.....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. MARTIN
DOCKET NUMBER.....50-220
LICENSE & DATE ISSUANCE...DPR-63, DECEMBER 26, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period AUG 1989

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

* NINE MILE POINT 1 *

OTHER ITEMS

NO INPUT PROVIDED.

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: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: E. S. TOMLINSON (315) 349-2761
4. Licensed Thermal Power (MWT): 3323
5. Nameplate Rating (Gross MWe): 1214
6. Design Electrical Rating (Net MWe): 1091
7. Maximum Dependable Capacity (Gross MWe): 1112
8. Maximum Dependable Capacity (Net MWe): 1049
9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 6 8 7 RECALCULATED MONTHLY.
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>12,335.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,508.1</u>	<u>6,490.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,377.5</u>	<u>6,180.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,363,573</u>	<u>10,673,447</u>	<u>18,992,736</u>
18. Gross Elec Ener (MWH)	<u>779,500</u>	<u>3,545,800</u>	<u>6,279,100</u>
19. Net Elec Ener (MWH)	<u>733,160</u>	<u>3,288,890</u>	<u>5,790,730</u>
20. Unit Service Factor	<u>100.0</u>	<u>57.9</u>	<u>50.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>57.9</u>	<u>50.1</u>
22. Unit Cap Factor (MDC Net)	<u>93.9</u>	<u>52.6</u>	<u>44.8</u>
23. Unit Cap Factor (DER Net)	<u>90.3</u>	<u>51.7</u>	<u>43.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.2</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>260.5</u>	<u>1,019.3</u>

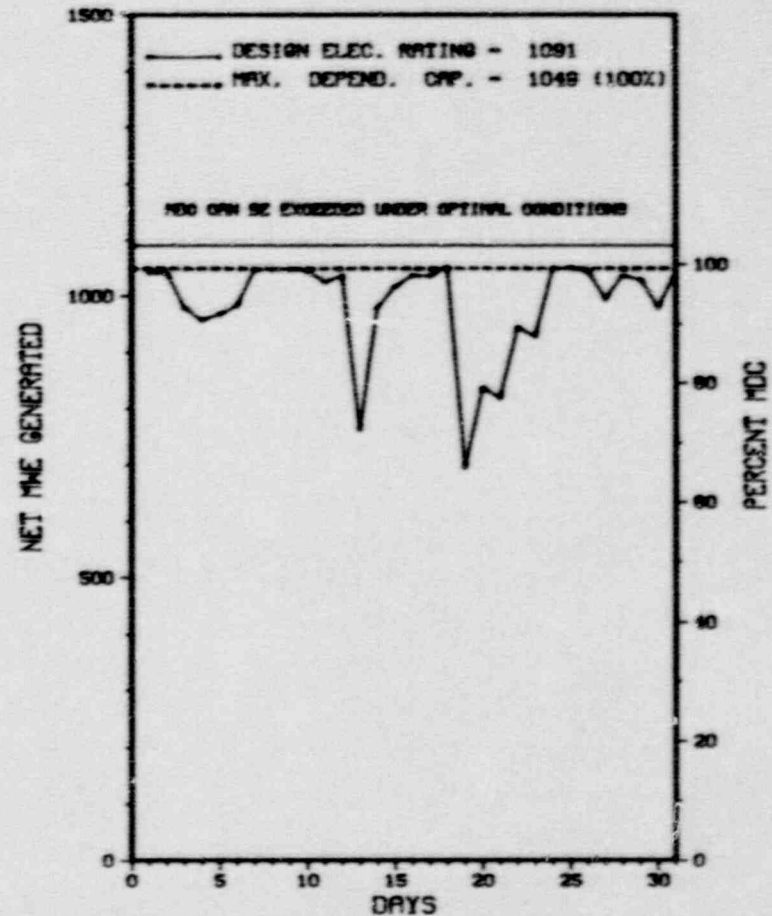
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

TEST/MAINT - SEPT 9, 1989 - 14 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



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8908	08/13/89	F	0.0	A	5				REDUCED POWER TO APPROXIMATELY 65% DUE TO BAD FLOW CONTROL VALVE CONTROLLER ON FEEDWATER PUMP "B". SWAPPED OVER TO FEEDWATER PUMP "C".
8909	08/19/89	F	0.0	A	5				REDUCED POWER TO SWAP FEEDWATER PUMP "C" OVER TO PUMP "B".

 * SUMMARY *

 NINE MILE POINT 2 INCURRED TWO FORCED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

FACILITY DATA

Report Period AUG 1989

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...APRIL 5, 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 PRDJ MANAGER.....R. MARTIN
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

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period AUG 1989

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

* NINE MILE POINT 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: BOB TILLACK (703) 894-5151 X2632

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>744.0</u>	<u>5,831.0</u>	<u>98,520.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,454.4</u>	<u>67,905.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>94.8</u>	<u>5,925.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,416.8</u>	<u>65,947.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,151,425</u>	<u>6,420,468</u>	<u>174,584,580</u>
18. Gross Elec Ener (MWH)	<u>711,150</u>	<u>2,117,186</u>	<u>57,291,531</u>
19. Net Elec Ener (MWH)	<u>676,069</u>	<u>2,006,381</u>	<u>54,198,273</u>
20. Unit Service Factor	<u>100.0</u>	<u>41.4</u>	<u>66.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>41.4</u>	<u>66.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.3</u>	<u>37.6</u>	<u>60.1</u>
23. Unit Cap Factor (DER Net)	<u>100.2</u>	<u>37.9</u>	<u>60.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.0</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>181.8</u>	<u>10,911.2</u>

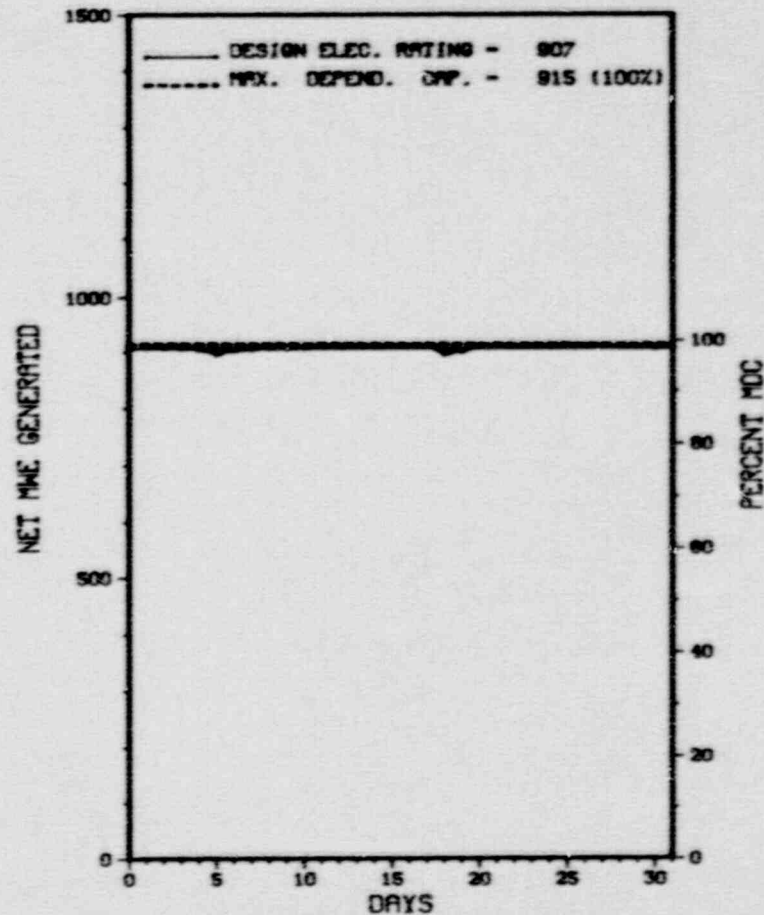
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



AUGUST 1989

Report Period AUG 1989

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 DURING AUGUST 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 1 *

FACILITY DATA

Report Period AUG 1989

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 JUNE 1 - JULY 14 (89-22): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, MAINTENANCE, SURVEILLANCE, ENGINEERED SAFETY FEATURE WALKDOWN, OPERATIONAL SAFETY VERIFICATION, REVIEW OF INSPECTOR FOLLOWUP ITEMS, GENERIC LETTER 88-17 AND PLANT STARTUP. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS: JUNE 5, 7, 14, 20-23, 25-26, 28-30, JULY 1, 11-12 AND 14. WITHIN THE AREAS INSPECTED, ONE UNRESOLVED ITEM WAS IDENTIFIED PENDING THE LICENSEE'S DETERMINATION OF A SAFETY EVALUATION CONCERNING A JUMPER INSTALLED ON A RADIATION MONITOR. A WEAKNESS WAS IDENTIFIED CONCERNING THE LICENSEE'S ABILITY TO MAINTAIN THE OPERABILITY OF VARIOUS RADIATION MONITORS. THE INOPERABILITY OF THESE MONITORS REDUCES THE OPERATOR'S ABILITY TO DETECT, DIAGNOSE AND ISOLATE RADIOACTIVE LEAKS.

INSPECTION JULY 10-14 (89-24): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS. SEVERAL FUNCTIONAL AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM WERE REVIEWED TO DETERMINE IF THE PROGRAM WAS BEING MAINTAINED IN A STATE OF OPERATIONAL READINESS FOR RESPONDING TO EMERGENCIES. THIS INCLUDED A REVIEW OF TRAINING, CHANGES TO THE EMERGENCY ORGANIZATION AND/OR MANAGEMENT CONTROL SYSTEM, DISTRIBUTION OF CHANGES TO THE EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPS), AUDIT REPORTS, STAFF AUGMENTATION, AND THE MAINTENANCE OF KEY SELECTED EMERGENCY KITS OR EQUIPMENT. WITHIN THE AREAS INSPECTED, ONE NON-CITED VIOLATION (NCV) WAS IDENTIFIED FOR FAILURE TO REPLACE RESPIRATORY PROTECTION EQUIPMENT IN ACCORDANCE WITH SECTION 3.3 OF PERIODIC TEST PROCEDURE 1-PT-114 "EMERGENCY KIT INSPECTION". NOTED PROGRAM STRENGTHS WERE AS FOLLOWS: (1) THERE APPEARS TO BE A STRONG COMMITMENT BY PLANT MANAGEMENT IN SUPPORT OF THE EMERGENCY RESPONSE PROGRAM; (2) THE TESTING, MAINTENANCE, AND UPGRADES TO THE EARLY WARNING SIREN SYSTEM (EWS); (3) TIMELY DISTRIBUTION OF EPIP CHANGES TO COPY HOLDERS; AND (4) THE ONSITE EMERGENCY ORGANIZATION WAS ADEQUATELY STAFFED AND TRAINED IN ACCORDANCE WITH THE EMERGENCY PLAN.

Report Period AUG 1989

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

* NORTH ANNA 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-014	07/19/89	08/10/89	REACTOR TRIP DUE TO A LOSS OF EHC SYSTEM PRESSURE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-339 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: BOB TILLACK (703)894-5151 X2632

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>744.0</u>	<u>5,831.0</u>	<u>76,391.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,969.9</u>	<u>61,165.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>152.8</u>	<u>4,245.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,958.7</u>	<u>60,095.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,152,159</u>	<u>10,335,389</u>	<u>159,685,279</u>
18. Gross Elec Ener (MWH)	<u>710,713</u>	<u>3,415,347</u>	<u>52,943,862</u>
19. Net Elec Ener (MWH)	<u>675,144</u>	<u>3,233,067</u>	<u>50,175,401</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.9</u>	<u>78.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.9</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>60.6</u>	<u>71.8</u>
23. Unit Cap Factor (DER Net)	<u>100.0</u>	<u>61.1</u>	<u>72.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.4</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):

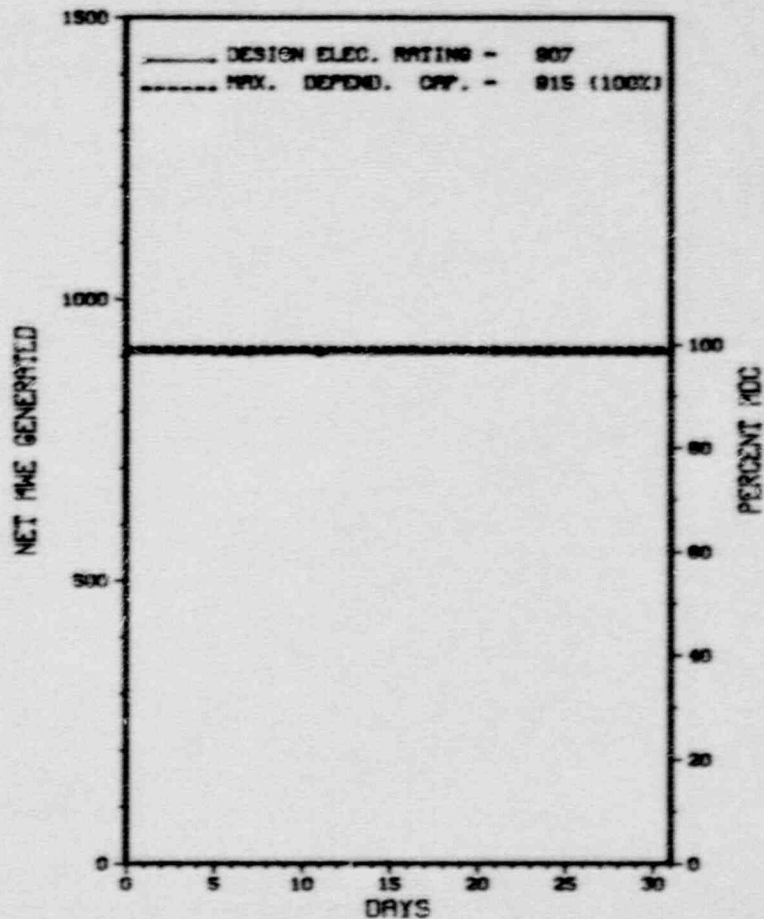
NONE

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



AUGUST 1989

Report Period AUG 1989

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-359
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 JUNE 1 - JULY 14 (89-22): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, MAINTENANCE, SURVEILLANCE, ENGINEERED SAFETY FEATURE WALKDOWN, OPERATIONAL SAFETY VERIFICATION, REVIEW OF INSPECTOR FOLLOWUP ITEMS, GENERIC LETTER 88-17 AND PLANT STARTUP. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS: JUNE 5, 7, 14, 20-23, 25-26, 28-30, JULY 1, 11-12 AND 14. WITHIN THE AREAS INSPECTED, ONE UNRESOLVED ITEM WAS IDENTIFIED PENDING THE LICENSEE'S DETERMINATION OF A SAFETY EVALUATION CONCERNING A JUMPER INSTALLED ON A RADIATION MONITOR. A WEAKNESS WAS IDENTIFIED CONCERNING THE LICENSEE'S ABILITY TO MAINTAIN THE OPERABILITY OF VARIOUS RADIATION MONITORS. THE INOPERABILITY OF THESE MONITORS REDUCES THE OPERATOR'S ABILITY TO DETECT, DIAGNOSE AND ISOLATE RADIOACTIVE LEAKS.

INSPECTION JULY 10-14 (89-24): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS. SEVERAL FUNCTIONAL AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM WERE REVIEWED TO DETERMINE IF THE PROGRAM WAS BEING MAINTAINED IN A STATE OF OPERATIONAL READINESS FOR RESPONDING TO EMERGENCIES. THIS INCLUDED A REVIEW OF TRAINING, CHANGES TO THE EMERGENCY ORGANIZATION AND/OR MANAGEMENT CONTROL SYSTEM, DISTRIBUTION OF CHANGES TO THE EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPS), AUDIT REPORTS, STAFF AUGMENTATION, AND THE MAINTENANCE OF KEY SELECTED EMERGENCY KITS OR EQUIPMENT. WITHIN THE AREAS INSPECTED, ONE NON-CITED VIOLATION (NCV) WAS IDENTIFIED FOR FAILURE TO REPLACE RESPIRATORY PROTECTION EQUIPMENT IN ACCORDANCE WITH SECTION 3.3 OF PERIODIC TEST PROCEDURE 1-PT-114 "EMERGENCY KIT INSPECTION". NOTED PROGRAM STRENGTHS WERE AS FOLLOWS: (1) THERE APPEARS TO BE A STRONG COMMITMENT BY PLANT MANAGEMENT IN SUPPORT OF THE EMERGENCY RESPONSE PROGRAM; (2) THE TESTING, MAINTENANCE, AND UPGRADES TO THE EARLY WARNING SIREN SYSTEM (EWS); (3) TIMELY DISTRIBUTION OF EPIP CHANGES TO COPY HOLDERS; AND (4) THE ONSITE EMERGENCY ORGANIZATION WAS ADEQUATELY STAFFED AND TRAINED IN ACCORDANCE WITH THE EMERGENCY PLAN.

INSPECTION SUMMARY

INSPECTION JULY 31 - AUGUST 4 (89-27): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED TO FOLLOWUP ON LICENSEE'S ACTION IN REGARD TO PREVIOUS INSPECTION FINDINGS. CERTAIN ITEMS (VIOLATION AND DEVIATION) DISCUSSED IN THIS REPORT REQUIRED LICENSEE WRITTEN RESPONSES. THESE WERE PROMPT AND COMPLETE AND WERE RECEIVED BEFORE THE INSPECTION. DURING THE INSPECTION, LICENSEE REPRESENTATIVES HANDLED ALL REQUESTS AND INQUIRIES APPLICABLE TO THE INSPECTION IN A RESPONSIBLE AND PROFESSIONAL MANNER. THE INSPECTION OF THESE LICENSEE ACTIONS WERE CONSIDERED TO BE SATISFACTORY AND NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. HOWEVER, SOME WEAKNESSES WERE OBSERVED AS INDICATED BELOW: (1) AN INTERNAL LICENSEE MEMORANDUM NO. GOV 0-54-02 WAS ISSUED ON MARCH 31, 1986, AS INTERIM REPORTABILITY AND ACTION STATEMENT GUIDELINES FOR APPENDIX R SYSTEMS AND EQUIPMENT. THIS DOCUMENT HAS NOT BEEN FACTORED INTO STATION PROCEDURES TO-DATE. (2) LABELLING OF INSTRUMENTS FOR RG 1.97 CRITERIA IN THE CONTROL ROOM ALSO APPEARS TO BE TAKING AN INORDINATE AMOUNT OF TIME. THIS ITEM FALLS UNDER THE LICENSEE'S CRDR PROJECT CORRECTIVE ACTION (CA) 29E DISCUSSED IN VEPCO'S LETTER 85-268C OF JUNE 30, 1986 TO THE NRC.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE. +

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION. R+

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, 1989 +

INSPECTION REPORT NO: 50-339/89-29 +

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: 50-269 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. A. WILLIAMS (704)373-5987

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): 886

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>744.0</u>	<u>5,831.0</u>	<u>141,384.0</u>
13. Hours Reactor Critical	<u>738.5</u>	<u>4,755.1</u>	<u>106,833.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>730.9</u>	<u>4,679.5</u>	<u>103,119.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,824,912</u>	<u>11,763,072</u>	<u>250,304,329</u>
18. Gross Elec Ener (MWH)	<u>615,828</u>	<u>4,017,925</u>	<u>86,660,856</u>
19. Net Elec Ener (MWH)	<u>585,940</u>	<u>3,824,589</u>	<u>82,227,881</u>
20. Unit Service Factor	<u>98.2</u>	<u>80.3</u>	<u>72.9</u>
21. Unit Avail Factor	<u>98.2</u>	<u>80.3</u>	<u>72.9</u>
22. Unit Cap Factor (MDC Net)	<u>93.1</u>	<u>77.5</u>	<u>67.6*</u>
23. Unit Cap Factor (DER Net)	<u>88.8</u>	<u>73.9</u>	<u>65.6*</u>
24. Unit Forced Outage Rate	<u>1.8</u>	<u>2.8</u>	<u>12.4</u>
25. Forced Outage Hours	<u>13.1</u>	<u>135.8</u>	<u>13,691.8</u>

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

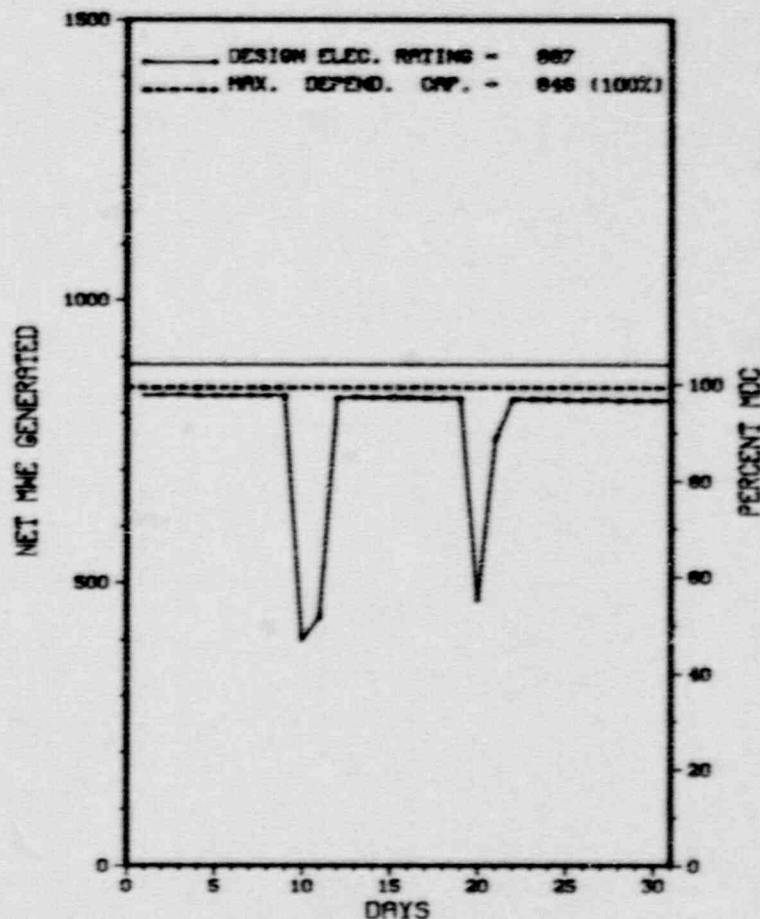
NONE

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

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16-P	08/10/89	F	0.0	A	5		CB	PUMPXX	LOW OIL POT LEVEL FOR '1A2' REACTOR COOLANT PUMP
6	08/10/89	F	13.1	H	3		ZZ	XXXXXX	A REACTOR PROTECTION SYSTEM CHANNEL WAS INADVERTENTLY TAKEN OUT WHILE ONE WAS ALREADY OUT
17-P	08/20/89	F	0.0	A	5		CB	PUMPXX	LOW OIL POT LEVEL FOR '1B2' REACTOR COOLANT PUMP
18-P	08/20/89	F	0.0	A	5		RC	XXXXXX	HIGH FLUX TRIP SETPOINT ADJUSTMENTS

 * SUMMARY *

 OCONEE 1 INCURRED ONE FORCED OUTAGE AND THREE FORCED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* OCONEE 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE....JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....D. HOOD
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 JULY 24-26 (89-26): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE PHYSICAL SECURITY PROGRAM FOR POWER REACTORS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF THE SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROL AND COMPENSATORY MEASURES.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.4.1 THE STATION WAS NOT OPERATED IN ACCORDANCE WITH ADEQUATE PROCEDURES IN THAT, OP O/A/1107/03, 100KV POWER SUPPLY, CONTAINED STEPS WHICH REMOVED SPECIFIC FUNCTIONAL UNITS FROM EPSL CIRCUITS PLACING THE PLANT IN AN UNANALYZED CONDITION AND PT 2/A/0610/01J, EPSL ES ACTUATION KEOWEE EMERGENCY POWER START TESTS SETUP CONDITIONS THAT VIOLATED TS REQUIREMENTS.
OCONEE 1 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. A. WILLIAMS (704) 373-5987

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): 886

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): _____

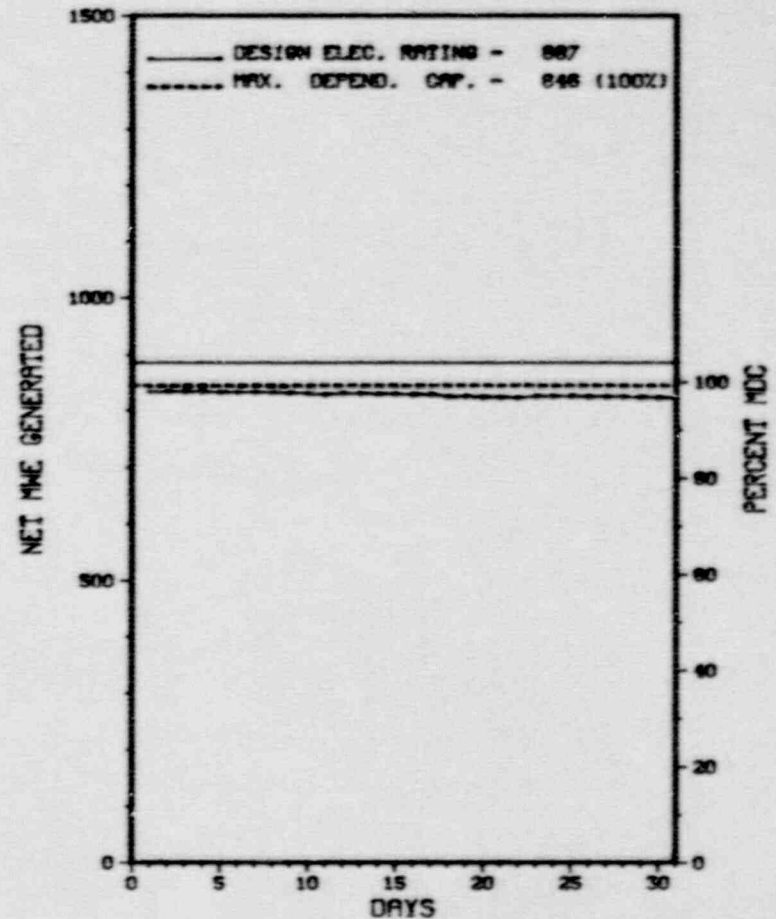
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>131,304.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,723.2</u>	<u>100,409.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>4,621.4</u>	<u>98,796.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,910,592</u>	<u>11,671,224</u>	<u>236,471,541</u>
18. Gross Elec Ener (MWH)	<u>646,351</u>	<u>3,985,063</u>	<u>80,478,607</u>
19. Net Elec Ener (MWH)	<u>617,122</u>	<u>3,800,927</u>	<u>76,536,279</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.3</u>	<u>75.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.3</u>	<u>75.2</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>77.1</u>	<u>67.8*</u>
23. Unit Cap Factor (DER Net)	<u>93.5</u>	<u>73.5</u>	<u>65.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.6</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>121.7</u>	<u>11,155.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 2



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 2 *

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

NONE

* SUMMARY *

OCONEE 2 OPERATED ROUTINELY DURING AUGUST 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)

* OCONEE 2 *

FACILITY DATA

Report Period AUG 1989

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.....D. HOOD
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 JULY 24-26 (89-26): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE PHYSICAL SECURITY PROGRAM FOR POWER REACTORS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF THE SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROL AND COMPENSATORY MEASURES.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.4.1 THE STATION WAS NOT OPERATED IN ACCORDANCE WITH ADEQUATE PROCEDURES IN THAT, OP O/A/1107/83, 100KV POWER SUPPLY, CONTAINED STEPS WHICH REMOVED SPECIFIC FUNCTIONAL UNITS FROM EPSL CIRCUITS PLACING THE PLANT IN AN UNANALYZED CONDITION AND PT 2/A/0610/01J, EPSL ES ACTUATION KEOWEE EMERGENCY POWER START TESTS SETUP CONDITIONS THAT VIOLATED TS REQUIREMENTS.
OCONEE 2 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. A. WILLIAMS (704) 373-5987

4. Licensed Thermal Power (MWh): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 886

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

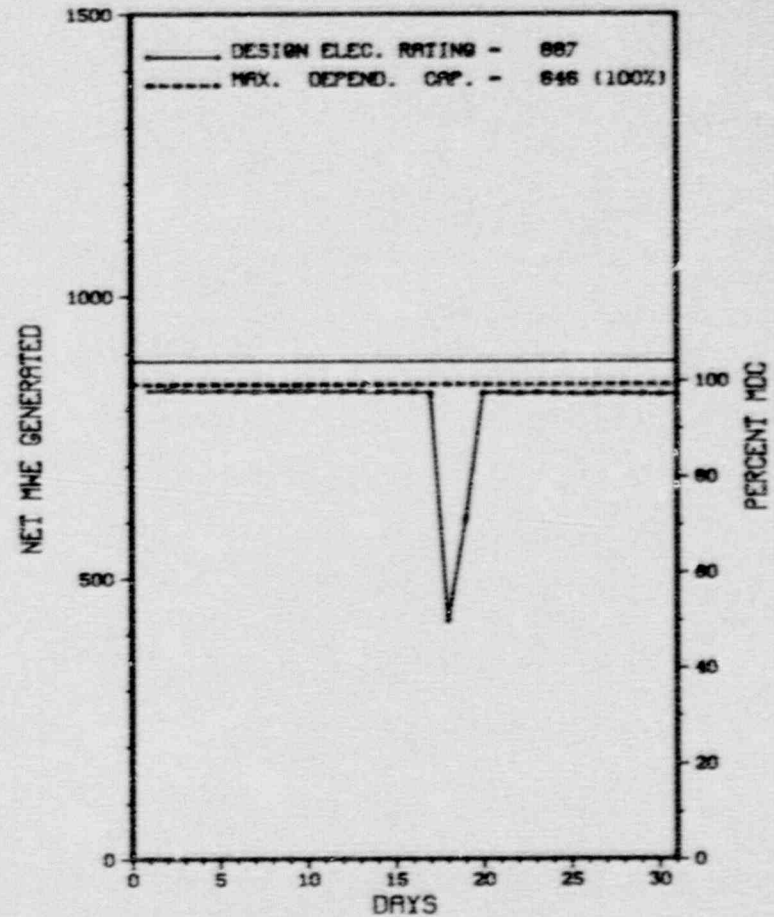
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>128,951.0</u>
13. Hours Reactor Critical	<u>738.8</u>	<u>5,759.4</u>	<u>96,338.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>733.9</u>	<u>5,734.0</u>	<u>94,911.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,868,064</u>	<u>14,723,280</u>	<u>233,623,000</u>
18. Gross Elec Ener (MWH)	<u>632,143</u>	<u>5,039,320</u>	<u>80,482,763</u>
19. Net Elec Ener (MWH)	<u>603,621</u>	<u>4,826,565</u>	<u>76,720,945</u>
20. Unit Service Factor	<u>98.6</u>	<u>98.3</u>	<u>73.6</u>
21. Unit Avail Factor	<u>98.6</u>	<u>98.3</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.9</u>	<u>97.8</u>	<u>69.2*</u>
23. Unit Cap Factor (DER Net)	<u>91.5</u>	<u>93.3</u>	<u>67.1*</u>
24. Unit Forced Outage Rate	<u>1.4</u>	<u>1.7</u>	<u>12.1</u>
25. Forced Outage Hours	<u>10.1</u>	<u>97.0</u>	<u>13,270.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - NOVEMBER 16, 1989 - 6 WEEK DURATION

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

 * OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 OCONEE 3



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	08/18/89	F	10.1	A	3		EC	XXXXXX	WATER IN EHC CABINET CAUSED LOW EHC PRESSURE TRIP

***** OCONEE 3 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.
* SUMMARY *

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

 * OCONEE 3 *

FACILITY DATA

Report Period AUG 1989

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.....I?
 IE RESIDENT INSPECTOR.....J. BRYANT
 LICENSING PROJ MANAGER.....D. HOOD
 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 JULY 24-26 (89-26): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE PHYSICAL SECURITY PROGRAM FOR POWER REACTORS. BASED ON DISCUSSION WITH THE LICENSEE AND REVIEW OF THE SECURITY EVENT LOGS SINCE OCTOBER 1987, IT WAS DETERMINED THAT THERE WERE SEVERAL APPARENT REPETITIVE VIOLATIONS IN THE AREAS OF ACCESS CONTROL AND COMPENSATORY MEASURES.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.4.1 THE STATION WAS NOT OPERATED IN ACCORDANCE WITH ADEQUATE PROCEDURES IN THAT, OP O/A/1107/05, 100KV POWER SUPPLY, CONTAINED STEPS WHICH REMOVED SPECIFIC FUNCTIONAL UNITS FROM EPSL CIRCUITS PLACING THE PLANT IN AN UNANALYZED CONDITION AND PT 2/A/0610/01J, EPSL ES ACTUATION KEOWEE EMERGENCY POWER START TESTS SETUP CONDITIONS THAT VIOLATED TS REQUIREMENTS.
 OCONEE 3 (8901 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): 410

11. Reasons for Restrictions, If Any:
ONLY 1 OUTPUT TRANSFORMERS AVAILABLE.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>172,607.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,451.5</u>	<u>109,392.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,208.0</u>
15. Hrs Generator On-Line	<u>729.0</u>	<u>2,247.8</u>	<u>105,790.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,761.4</u>
17. Gross Therm Ener (MWH)	<u>950,000</u>	<u>3,336,670</u>	<u>176,974,178</u>
18. Gross Elec Ener (MWH)	<u>288,580</u>	<u>1,048,660</u>	<u>59,652,844</u>
19. Net Elec Ener (MWH)	<u>275,600</u>	<u>982,889</u>	<u>57,244,649</u>
20. Unit Service Factor	<u>98.0</u>	<u>38.5</u>	<u>61.3</u>
21. Unit Avail Factor	<u>98.0</u>	<u>38.5</u>	<u>62.3</u>
22. Unit Cap Factor (MDC Net)	<u>59.7</u>	<u>27.2</u>	<u>53.5*</u>
23. Unit Cap Factor (DER Net)	<u>57.0</u>	<u>25.9</u>	<u>51.0</u>
24. Unit Forced Outage Rate	<u>2.0</u>	<u>40.2</u>	<u>16.0</u>
25. Forced Outage Hours	<u>15.0</u>	<u>1,513.1</u>	<u>18,249.0</u>

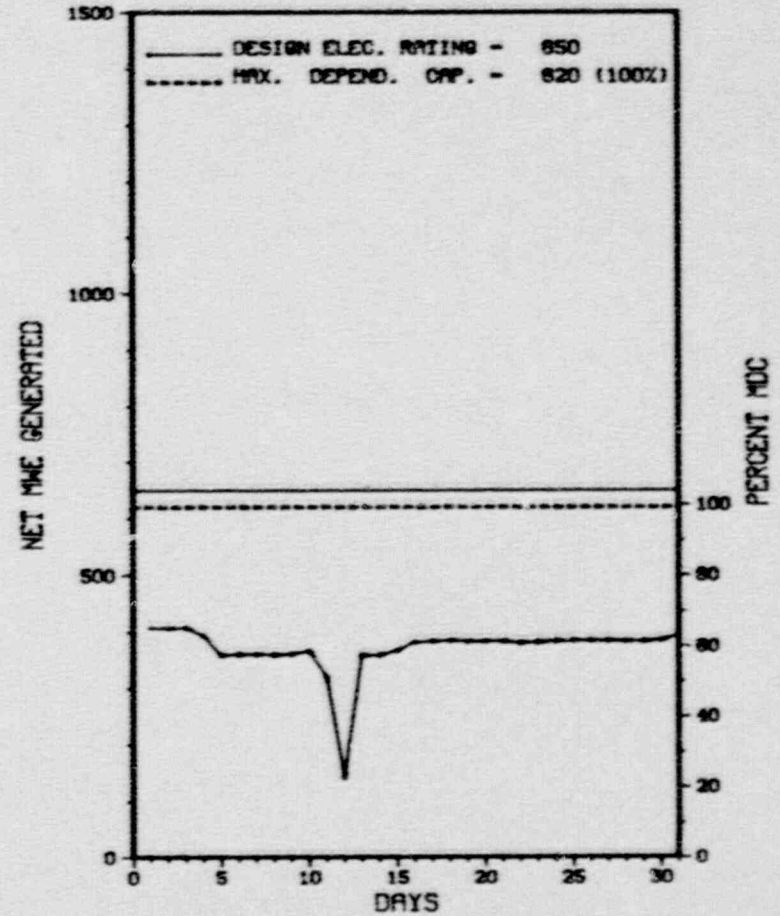
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81	08/04/89	F	0.0	A	5				A REACTOR SHUTDOWN WAS COMMENCED DUE TO THE FAILURES OF MAIN STEAM LINE RADIATION MONITORS RN06B AND RN06C. THE MONITORS WERE RECALIBRATED AND TESTED SATISFACTORILY AND THE SHUTDOWN WAS TERMINATED. GENERATOR LOAD WAS DECREASED FROM 425 MWE TO 366 MWE.
82	08/11/89	F	15.0	A	9				REMOVED THE GENERATOR FROM SERVICE DUE TO THE REMOVAL OF THE M1A MAIN TRANSFORMER FROM SERVICE DUE TO RISING TRANSFORMER OIL TEMPERATURES. ALL CORRECTIVE ACTIONS WERE COMPLETED AND THE TRANSFORMER AND GENERATOR WERE RETURNED TO SERVICE. DURING THIS TIME, REACTOR POWER WAS REDUCED TO APPROXIMATELY 33% BYPASSING THE STEAM TO THE MAIN CONDENSER.

 * SUMMARY *

 OYSTER CREEK INCURRED ONE FORCED OUTAGE AND ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE WHILE OPERATING AT AN ADMINISTRATIVELY IMPOSED REDUCED POWER LEVEL.

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

* OYSTER CREEK 1 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....OCEAN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 3, 1969
DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969
DATE COMMERCIAL OPERATE...DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...BARNEGAT BAY
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION
CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BURNS & ROE
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

1. Docket: 50-255 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M.G MLYNAREK (616) 764-8913

4. Licensed Thermal Power (Mwt): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 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): 623

11. Reasons for Restrictions, If Any:
80% POWER LIMIT IMPLEMENTED ADMIN. IMPROVE STEAM GEN RELIA

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>155,174.0</u>
13. Hours Reactor Critical	<u>687.6</u>	<u>5,059.5</u>	<u>84,067.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>679.2</u>	<u>5,034.2</u>	<u>80,156.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,341,864</u>	<u>10,108,320</u>	<u>168,659,325</u>
18. Gross Elec Ener (MWH)	<u>425,250</u>	<u>3,249,250</u>	<u>52,790,735</u>
19. Net Elec Ener (MWH)	<u>397,517</u>	<u>3,047,505</u>	<u>49,699,754</u>
20. Unit Service Factor	<u>91.3</u>	<u>86.3</u>	<u>51.7</u>
21. Unit Avail Factor	<u>91.3</u>	<u>86.3</u>	<u>51.7</u>
22. Unit Cap Factor (MDC Net)	<u>73.2</u>	<u>71.6</u>	<u>43.9</u>
23. Unit Cap Factor (DER Net)	<u>66.4</u>	<u>64.9</u>	<u>39.8</u>
24. Unit Forced Outage Rate	<u>8.7</u>	<u>13.7</u>	<u>34.0</u>
25. Forced Outage Hours	<u>64.8</u>	<u>796.8</u>	<u>27,283.2</u>

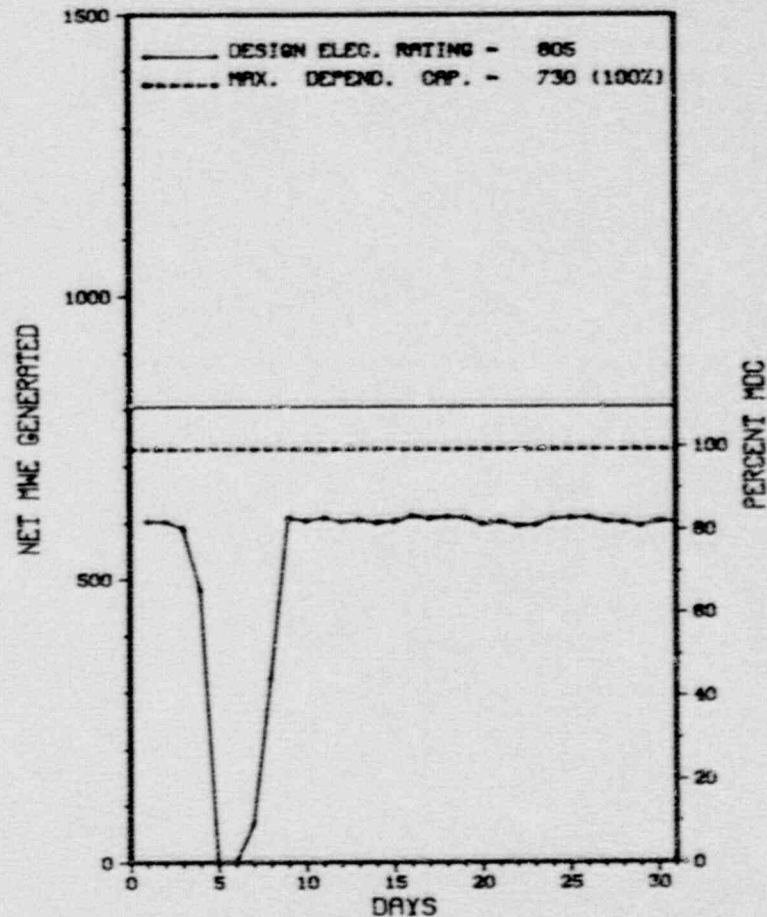
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINT - OCT 1, 1989 - 45 DAY DURATION.

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

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	08/04/89	F	64.8	A	3				BLOWN FUSE IN "B" STEAM GENERATOR LEVEL CONTROL CIRCUIT.

* SUMMARY *

PALISADES INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE. THE UNIT WAS OPERATING AT AN ADMINISTRATIVELY IMPOSED POWER LEVEL OF 80%.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

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.....A. DEGAZIO
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 MAY 16-18 AND JUNE 9 (89014): ROUTINE, UNANNOUNCED INSPECTION TO REVIEW THE IMPLEMENTATION OF THE LICENSEE'S FIRE PROTECTION PROGRAM INCLUDING A REVIEW OF THE FIRE PROTECTION ORGANIZATION; ADMINISTRATIVE CONTROLS; FIRE PROTECTION SYSTEM SURVEILLANCE TEST PROGRAM; FIRE PROTECTION FEATURES FOR SPECIFIC PLANT AREAS; INFORMATION NOTICES; PLANT MODIFICATIONS AND QUALITY ASSURANCE (30703, 64704 AND 92701). OF THE SEVEN AREAS INSPECTED, ONE DEVIATION WAS IDENTIFIED (FAILURE TO SEAL BUS 1C IN SWITCHGEAR ROOM 1-C TO PREVENT AN INADVERTENT SPRAYING OF THE INTERNAL COMPONENTS WITH WATER AND POTENTIALLY CAUSING AN EQUIPMENT OPERABILITY PROBLEM). THREE OPEN ITEMS AND ONE UNRESOLVED ITEM ARE IDENTIFIED IN THIS REPORT. THE FIRST OPEN ITEM REGARDS A SURVEILLANCE PROCEDURE TASK OF DETERMINING WHETHER A MODIFICATION HAD OCCURRED SINCE THE PREVIOUS SURVEILLANCE. THIS TASK DID NOT APPEAR ACHIEVABLE WITH THE GUIDANCE PROVIDED. THE SECOND OPEN ITEM REGARDS AN EVALUATION BY THE LICENSEE TO DETERMINE THE ADEQUACY OF THE SPRINKLER HEAD LOCATIONS IN THE CABLE SPREADING ROOM. THE THIRD OPEN ITEM HAS TWO EXAMPLES THAT REGARD A NEED FOR ADDITIONAL ENGINEERING DETAIL TO SUPPORT THE AS-INSTALLED FIRE DETECTION SYSTEM LOCATIONS FOR THE SPENT FUEL POOL AREA AND THE CABLEWAY TUNNEL. THE UNRESOLVED ITEM REGARDS DESIGN INPUT CHECKLISTS LACKING ACCURATE FIRE PROTECTION CRITERIA. OVERALL, THE IMPLEMENTATION OF THE LICENSEE'S FIRE PROTECTION PROGRAM WAS DETERMINED TO BE IN ACCORDANCE WITH NRC REQUIREMENTS.

INSPECTION ON JULY 31 THROUGH AUGUST 4 (89022): INCLUDED A REVIEW OF MANAGEMENT SUPPORT; PROTECTED AND VITAL AREA BARRIERS; ACCESS CONTROL PERSONNEL, PACKAGES, AND VEHICLES; ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING, MAINTENANCE AND COMPENSATORY MEASURES; TRAINING AND QUALIFICATIONS AND REVIEW OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. FOUR PREVIOUSLY IDENTIFIED ITEMS (50-255/88024-01, 88024-02, 88024-03 AND 89011-01) WERE REVIEWED AND ARE CONSIDERED CLOSED. LICENSEE MANAGEMENT ATTENTION TO AND INVOLVEMENT IN SECURITY ACTIVITIES IS EXCELLENT. THE LICENSEE'S PERFORMANCE GENERALLY MEETS REGULATORY REQUIREMENTS.

Report Period AUG 1989

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

* PALISADES *

INSPECTION SUMMARY

INSPECTION ON JULY 18-20 (89016): ROUTINE ANNOUNCED INSPECTION OF THE ANNUAL PALISADES EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY FOUR NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE (IP 82301). THE LICENSEE DEMONSTRATED A GOOD RESPONSE TO A SIMULATED ACCIDENT SCENARIO INVOLVING LOSS OF THE START-UP TRANSFORMER AND SUBSEQUENT LOSSES OF DIESEL GENERATOR BACKUP POWER. A SMALL RELEASE OF RADIOACTIVITY WAS ALSO SIMULATED TO BE PRESENT. ALL OBJECTIVES WERE DEMONSTRATED SATISFACTORILY BASED ON THE SCENARIO. NO EXERCISE WEAKNESSES WERE IDENTIFIED. ONE OPEN ITEM WAS IDENTIFIED RELATING TO TRAINING FOR THE SECURITY OFFICER POSITION AT THE EOF AND USE OF THE PROPER IMPLEMENTING PROCEDURE FOR EOF SECURITY OFFICER ASSIGNMENTS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT OPERATED NORMALLY THROUGHOUT THE MONTH AT 80% POWER.

LAST IE SITE INSPECTION DATE: 08/04/89

INSPECTION REPORT NO: 89022

Report Period AUG 1989

REPORTS FROM LICENSEE

* PALISADES *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-13	082388	083189	INOPERABLE CONTROL ROOM VENTILATION SYSTEM.
89-15	071889	081789	POTENTIAL BREAKER FAILURE RESULTS IN OPERATION OUTSIDE DESIGN BASIS.
89-16	071989	081889	UNTESTED PIPING ASSOCIATED WITH THE CONTAINMENT BOUNDARY.
89-17	072189	082189	INADEQUATE PROCEDURE RESULTS IN TESTING OF CONT. AIR COOLERS DURING PROHIBITED CONDITIONS.
89-18	072589	082489	COINCIDENT EQUIP. INOPERABILITY RESULTS IN OPERATIONAL CONDITION PROHIBITED BY TECH SPECS.
89-19	073189	083089	ANALYZED BORON DILUTION INCIDENT NOT BOUNDING FOR NEWLY IDENTIFIED POTENTIAL SINGLE FAILURE.
89-20	080489	090589	REACTOR TRIP DUE TO BLOWN FUSE AND SUBSEQUENT AUXILIARY FEEDWATER PUMP START.
84-21	091689	082489	FAILED PRIMARY COOLANT PUMP P-50C.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-528 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: K. F. PORTER (602)371-4187

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>5,832.0</u>	<u>31,488.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,522.0</u>	<u>17,262.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,522.0</u>	<u>16,826.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,565,298</u>	<u>60,931,221</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,933,716</u>	<u>21,163,116</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,796,575</u>	<u>19,793,379</u>
20. Unit Service Factor	<u>.0</u>	<u>26.1</u>	<u>53.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>26.1</u>	<u>53.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>25.2</u>	<u>51.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>24.3</u>	<u>49.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>34.6</u>	<u>27.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>806.0</u>	<u>6,466.7</u>

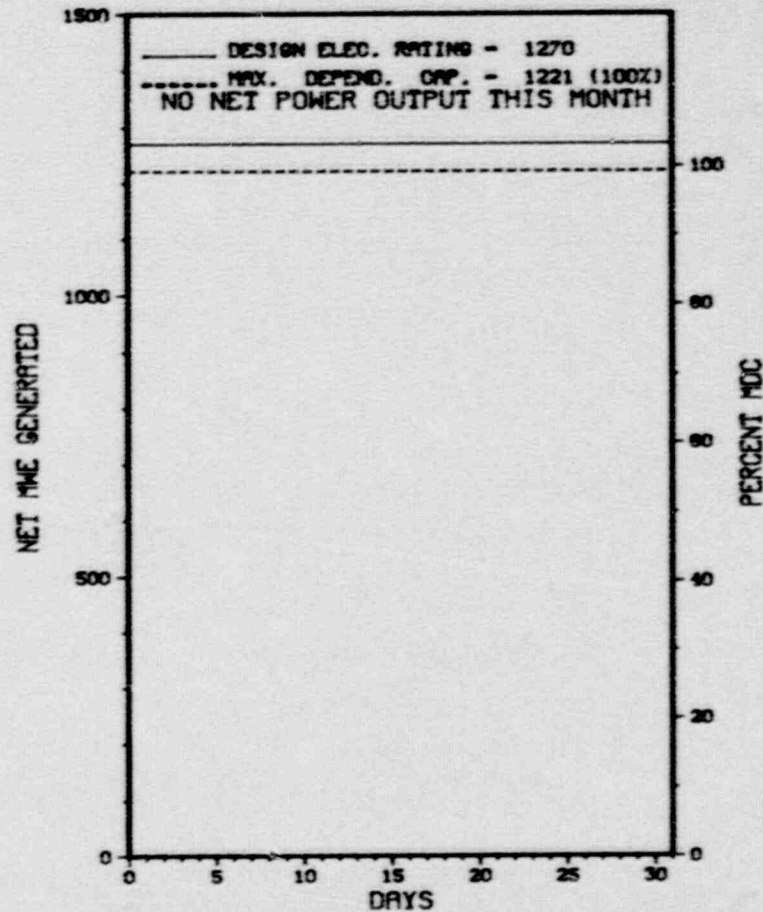
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/27/89

* PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89/03	04/08/89	S	744.0	C	4				2ND REFUELING OUTAGE.

***** PALO VERDE 1 REMAINED SHUTDOWN DURING AUGUST FOR SCHEDULED REFUELING OUTAGE.
* SUMMARY *

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

INSPECTION SUMMARY

- + INSPECTION ON JULY 17 - AUGUST 11, 1989 (REPORT NO. 50-528/89-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 17 - 21, 1989 (REPORT NO. 50-528/89-34) AREAS INSPECTED: REGIONAL INSPECTION UTILIZING VARIOUS INSPECTION PROCEDURES.
RESULTS: OF THE TWO AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. THIS VIOLATION IDENTIFIED A LACK OF TIMELY COMPLETION OF POST TRIP REVIEW CORRECTIVE ACTIONS.
- + INSPECTION ON JULY 31 - AUGUST 3, 1989 (REPORT NO. 50-528/89-35) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM. ONE INSPECTION PROCEDURE WAS UTILIZED.
RESULTS: IN THE AREAS INSPECTED, THE LICENSEE'S PROGRAM APPEARED FULLY CAPABLE OF ACCOMPLISHING THEIR SAFETY OBJECTIVES. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED.
- + INSPECTION ON AUGUST 7 - SEPTEMBER 10, 1989 (REPORT NO. 50-528/89-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 7 - 25, 1989 (REPORT NO. 50-528/89-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JUNE 19 - JULY 28, 1989 (REPORT NO. 50-528/89-38) AREAS INSPECTED: AN UNANNOUNCED INSPECTION BY A REGIONALLY-BASED INSPECTOR OF COMMERCIAL GRADE PROCUREMENT. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: THIS LICENSEE'S PROCUREMENT PROGRAM IS WEAK IN THE WAY COMMERCIAL GRADE ITEMS ARE DEDICATED FOR SAFETY-RELATED USE IN THAT THE CRITICAL CHARACTERISTICS OF THE ITEMS ARE NOT FULLY VERIFIED BY TESTING OR INSPECTIONS.
- + INSPECTION ON AUGUST 18, 1989 (REPORT NO. 50-528/89-39) 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:

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-529 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: K. F. PORTER (602)371-4187

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>744.0</u>	<u>5,832.0</u>	<u>25,872.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,813.0</u>	<u>17,838.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>699.2</u>	<u>2,649.1</u>	<u>17,389.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWT)	<u>2,576,391</u>	<u>9,742,385</u>	<u>63,669,162</u>
18. Gross Elec Ener (MWH)	<u>891,600</u>	<u>3,372,120</u>	<u>22,240,590</u>
19. Net Elec Ener (MWH)	<u>836,936</u>	<u>3,114,787</u>	<u>20,798,840</u>
20. Unit Service Factor	<u>94.0</u>	<u>45.4</u>	<u>67.2</u>
21. Unit Avail Factor	<u>94.0</u>	<u>45.4</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>92.1</u>	<u>43.7</u>	<u>65.8</u>
23. Unit Cap Factor (DER Net)	<u>88.6</u>	<u>42.1</u>	<u>63.3</u>
24. Unit Forced Outage Rate	<u>6.0</u>	<u>18.9</u>	<u>7.7</u>
25. Forced Outage Hours	<u>44.8</u>	<u>618.9</u>	<u>1,455.5</u>

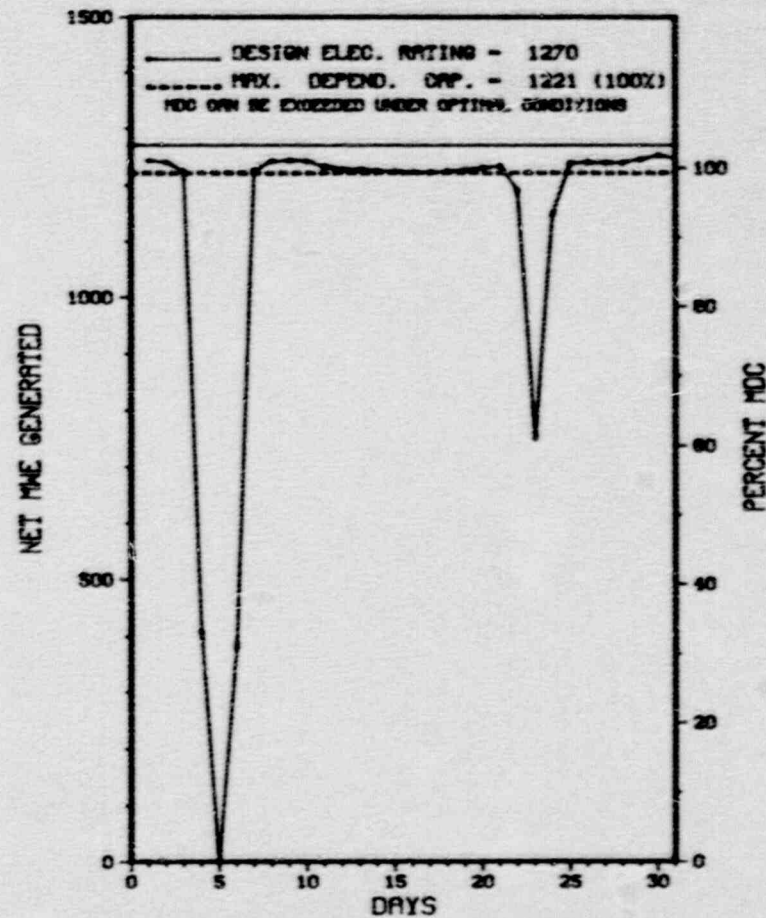
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JAN. 15, 1990 - 90 DAY DURATION.

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

* PALO VERDE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89/06	08/04/89	F	44.8	A	9				TURBINE TRIP ON FALSE RX TRIP SIGNAL.
89/07	08/22/89	S	0.0	B	5				POWER REDUCED TO 65% FOR FWPT MAINTENANCE.

* SUMMARY *

PALO VERDE 2 INCURRED ONE FORCED OUTAGE AND ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* PALO VERDE 2 *

FACILITY DATA

Report Period AUG 1989

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 ERER 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.....T. CHAN
DOCKET NUMBER.....50-529
LICENSE & DATE ISSUANCE...NPF-51, APRIL 24, 1986
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 JANUARY 30 - AUGUST 11, 1989 (REPORT NO. 50-529/89-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
 - + INSPECTION ON AUGUST 7 - SEPTEMBER 1, 1989 (REPORT NO. 50-529/89-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
 - + INSPECTION ON JUNE 12 - JULY 16, 1989 (REPORT NO. 50-529/89-30) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE TWO RESIDENT INSPECTORS, AND TWO REGIONAL INSPECTORS. AREAS INSPECTED INCLUDED: PREVIOUSLY IDENTIFIED ITEMS; REVIEW OF PLANT ACTIVITIES; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; MONTHLY SURVEILLANCE TESTING; MONTHLY PLANT MAINTENANCE; REVIEW OF LICENSEE CONTRACTOR QUALIFICATIONS - UNIT 2 STARTUP - UNIT 2; MISSED PROCEDURE STEP WHILE FLASHING GENERATOR FIELD - UNIT 2; FORCED OUTAGE DUE TO PIPE BREAK - UNIT 2; REACTOR TRIP AND SAFETY INJECTION - UNIT 2; MAIN FEEDWATER SUCTION PIPING OVERPRESSURIZATION - UNIT 2; LOAD REJECTION FROM 100% POWER - UNIT 2; IMPROPER MAINTENANCE ON ATMOSPHERIC DUMP VALVE NITROGEN SUPPLY REDUCING REGULATOR VALVES - UNIT 2; INTEGRATED SAFEGUARDS SURVEILLANCE TESTING - AND REVIEW OF PERIODIC AND SPECIAL REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. WERE UTILIZED.
- RESULTS: OF THE NINE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED. ONE VIOLATION PERTAINED TO FAILURE TO CONTROL WORK ON SAFETY-RELATED EQUIPMENT WITH AN APPROVED WORK ORDER. THE SECOND VIOLATION PERTAINS TO FIRE PROTECTION IN THAT FLAMMABLE LIQUID LOCKERS HAD EXPIRED STORAGE PERMITS.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-530 OPERATING STATUS
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: K. F. PORTER (602)371-4187
 4. Licensed Thermal Power (MWh): 3800
 5. Nameplate Rating (Gross MWe): 1403
 6. Design Electrical Rating (Net MWe): 1270
 7. Maximum Dependable Capacity (Gross MWe): 1305
 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>744.0</u>	<u>5,832.0</u>	<u>14,448.9</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,106.1</u>	<u>9,307.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,095.0</u>	<u>9,273.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,090,086</u>	<u>34,402,824</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,420,480</u>	<u>12,067,680</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,327,990</u>	<u>11,363,465</u>
20. Unit Service Factor	<u>.0</u>	<u>18.8</u>	<u>64.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>18.8</u>	<u>64.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>18.6</u>	<u>64.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>17.9</u>	<u>61.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>31.1</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>495.0</u>	<u>933.0</u>

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

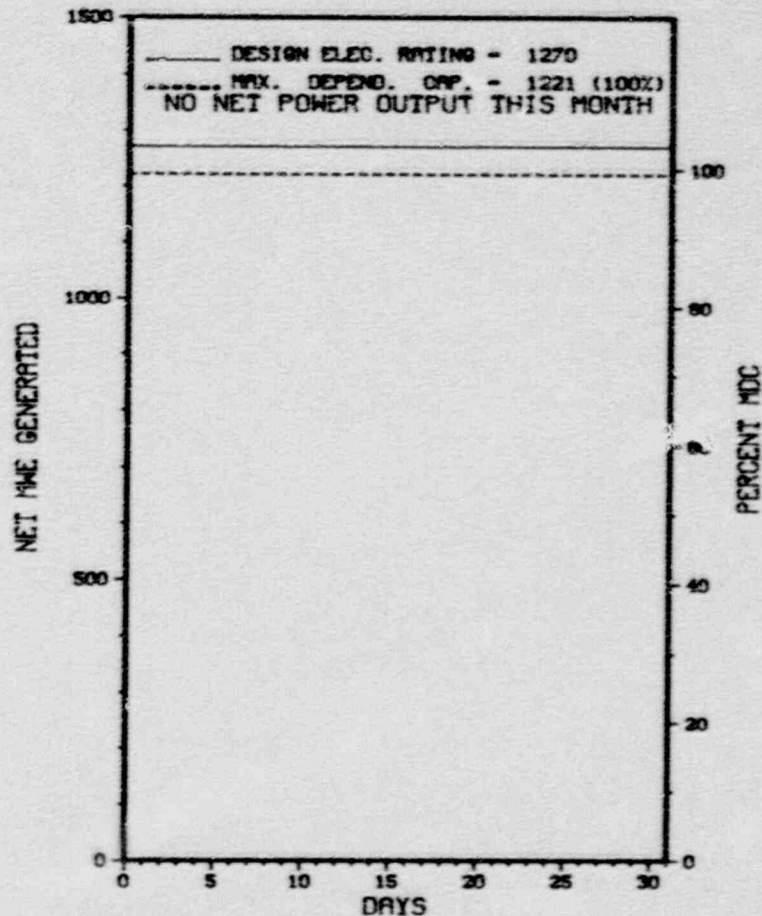
NONE

27. If Currently Shutdown Estimated Startup Date: 09/29/89

 * PALO VERDE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 3 *

No.	Date	Type	Hours	Reason	Method	LEK Number	System Component	Cause & Corrective Action to Prevent Recurrence
89/03	03/08/89	S	744.0	C	4			CONTINUATION OF UNIT REFUELING OUTAGE.

***** PALO VERDE 3 REMAINED SHUTDOWN DURING AUGUST FOR SCHEDULED REFUELING OUTAGE.
* SUMMARY *

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

Report Period AUG 1989

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

* PALO VERDE 3 *

INSPECTION SUMMARY

- + INSPECTION ON JULY 17 - AUGUST 11, 1989 (REPORT NO. 50-530/89-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 17-21, 1989 (REPORT NO. 50-530/89-34) AREAS INSPECTED: REGIONAL INSPECTION UTILIZING VARIOUS INSPECTION PROCEDURES.
RESULTS: OF THE TWO AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. THIS VIOLATION IDENTIFIED A LACK OF TIMELY COMPLETION OF POST TRIP REVIEW CORRECTIVE ACTIONS.
- + INSPECTION ON JULY 31 - AUGUST 3, 1989 (REPORT NO. 50-530/89-35) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM. ONE INSPECTION PROCEDURE WAS UTILIZED.
RESULTS: IN THE AREAS INSPECTED, THE LICENSEE'S PROGRAM APPEARED FULLY CAPABLE OF ACCOMPLISHING THEIR SAFETY OBJECTIVES. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED.
- + INSPECTION ON AUGUST 7 - SEPTEMBER 10, 1989 (REPORT NO. 50-530/89-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 7 - 25, 1989 (REPORT NO. 50-530/89-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JUNE 19 - JULY 28, 1989 (REPORT NO. 50-530/89-38) AREAS INSPECTED: AN UNANNOUNCED INSPECTION BY A REGIONALLY-BASED INSPECTOR OF COMMERCIAL GRADE PROCUREMENT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: THE LICENSEE'S PROCUREMENT IS WEAK IN THE WAY COMMERCIAL GRADE ITEMS ARE DEDICATED FOR SAFETY-RELATED USE IN THAT THE CRITICAL CHARACTERISTICS OF THE ITEMS ARE NOT FULLY VERIFIED BY TESTING OR INSPECTIONS.
- + INSPECTION ON AUGUST 18, 1989 (REPORT NO. 50-530/89-39) 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:

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Krs: 744.0

3. Utility Contact: M. J. BARON (717) 457-7014 EXT. 4805

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): 1998

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

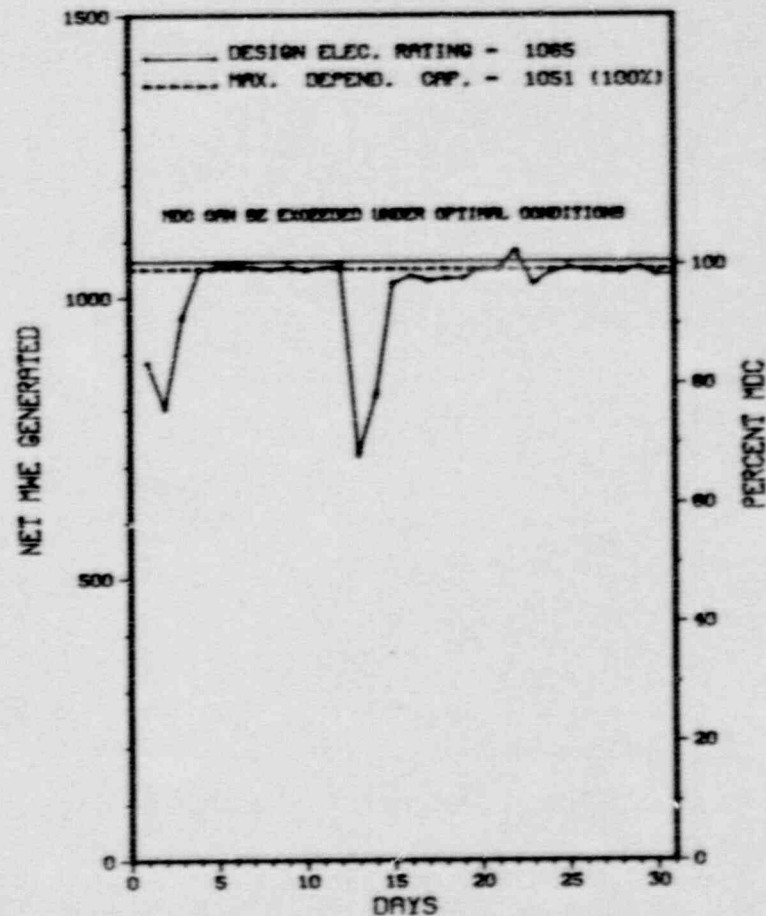
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>132,887.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,720.6</u>	<u>76,916.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,201.9</u>	<u>74,068.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,359,728</u>	<u>4,594,176</u>	<u>217,404,921</u>
18. Gross Elec Ener (MWH)	<u>782,690</u>	<u>1,428,360</u>	<u>71,447,590</u>
19. Net Elec Ener (MWH)	<u>754,153</u>	<u>1,341,793</u>	<u>68,333,771</u>
20. Unit Service Factor	<u>100.0</u>	<u>37.8</u>	<u>55.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>37.8</u>	<u>55.7</u>
22. Unit Cap Factor (MDC Net)	<u>96.4</u>	<u>21.9</u>	<u>48.9</u>
23. Unit Cap Factor (DER Net)	<u>95.2</u>	<u>21.6</u>	<u>48.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.6</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>233.0</u>	<u>12,537.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PEACH BOTTOM 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	08/01/89	S	0.0	B	5		RB	CONRAD	CONTROL ROD PATTERN ADJUSTMENT REACTOR WAS NOT SHUT DOWN
9	08/13/89	F	0.0	A	5		CC	INSTRU	EHC CONTROL CARD REPLACEMENT REACTOR WAS NOT SHUT DOWN

 * SUMMARY *

 PEACH BOTTOM 2 INCURRED TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE. THE UNIT HAS BEEN IN POWER ASCENSION SINCE APRIL 26, 1989.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE...JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. JOHNSON
LICENSING PROJ MANAGER....G. SHU
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 AUG 1989

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

* PEACH BOTTOM 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. J. BARON (717) 457-7014 EXT. 4805

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 3/18/87.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>128,783.0</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>73,929.3</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>-7,803</u>	<u>-40,214</u>	<u>67,611,046</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>57.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>50.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>49.3</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>11,372.7</u>

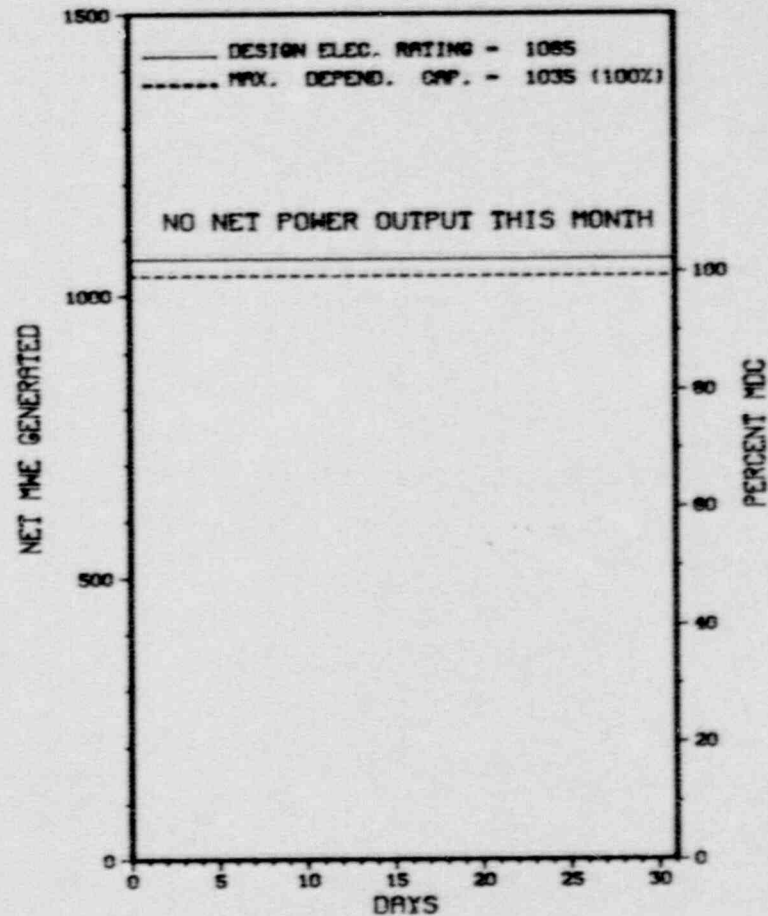
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/27/89

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



AUGUST 1989

Report Period AUG 1989

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	744.0	C	4		RC	FUELXX	CONTINUATION OF REFUEL OUTAGE

* SUMMARY *

PEACH BOTTOM 3 REMAINED SHUTDOWN DURING AUGUST UNDER NRC ORDER. MODIFICATION ACTIVITIES ARE 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)

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period AUG 1989

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.....G. SHU
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 AUG 1989

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.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-440 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. A. DUNN (216) 259-3737

4. Licensed Thermal Power (MWh): 3759

5. Nameplate Rating (Gross MWe): 1250

6. Design Electrical Rating (Net MWe): 1205

7. Maximum Dependable Capacity (Gross MWe): 1200

8. Maximum Dependable Capacity (Net MWe): 1141

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>15,659.0</u>
13. Hours Reactor Critical	<u>673.5</u>	<u>2,068.0</u>	<u>9,818.5</u>
14. Rx Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>634.8</u>	<u>1,859.6</u>	<u>9,299.6</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,044,800</u>	<u>6,052,443</u>	<u>30,930,898</u>
18. Gross Elec Ener (MWH)	<u>698,819</u>	<u>2,081,569</u>	<u>10,596,103</u>
19. Net Elec Ener (MWH)	<u>662,222</u>	<u>1,941,400</u>	<u>10,003,706</u>
20. Unit Service Factor	<u>85.3</u>	<u>31.9</u>	<u>59.4</u>
21. Unit Avail Factor	<u>85.3</u>	<u>31.9</u>	<u>59.4</u>
22. Unit Cap Factor (MDC Net)	<u>78.0</u>	<u>29.2</u>	<u>56.0</u>
23. Unit Cap Factor (DER Net)	<u>73.9</u>	<u>27.8</u>	<u>53.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.7</u>	<u>1,476.8</u>

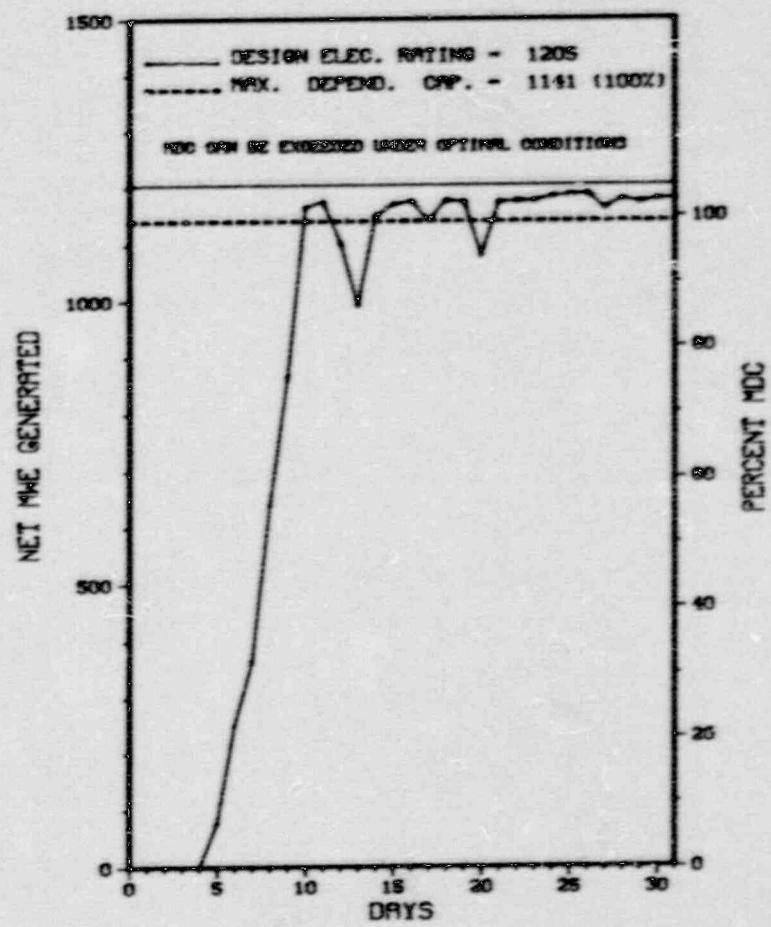
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PERRY 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * PERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-3	02/22/89	S	106.5	C	4				REFUELING OUTAGE, CONTINUED FROM PREVIOUS MONTH.
89-4	08/06/89	S	2.7	B	1				TURBINE OVERSPEED TEST AS PART OF POWER ASCENSION

***** PERRY 1 ENTERED AUGUST SHUTDOWN FOR SCHEDULED REFUELING OUTAGE. THE UNIT RETURNED TO
 * SUMMARY * SERVICE ON AUGUST 6 AND INCURRED ONE SCHEDULED OUTAGE FOR TURBINE OVERSPEED TEST.

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

* PERRY 1 *

FACILITY DATA

Report Period AUG 1989

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 1ST 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 JUNE 6 THROUGH AUGUST 11 (89017): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS; ALLEGATION FOLLOWUP; OPERATIONAL SAFETY VERIFICATION; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; ONSITE FOLLOWUP OF EVENTS; AND PLANT STATUS MEETING. OF THE SEVEN AREAS INSPECTED, ONE "LICENSEE-IDENTIFIED VIOLATION" FOR WHICH A NOTICE OF VIOLATION WAS NOT ISSUED WAS IDENTIFIED IN THE AREA OF ALLEGATION FOLLOWUP. THE LICENSEE-IDENTIFIED VIOLATION CONCERNED INADEQUATE PROCEDURES TO CONTROL MATERIAL IN THE CONTAINMENT POOL SWELL REGION. ONE VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED IN THE AREAS OF PREVIOUS INSPECTION FINDINGS AND ALLEGATION FOLLOWUP. THAT VIOLATION CONCERNED THE LICENSEE'S FAILURE TO REPORT EVENTS TO THE NRC WITHIN FOUR HOURS AS REQUIRED BY 10 CFR 50.72. ALL OF THE ABOVE ITEMS WERE RECEIVING MANAGEMENT ATTENTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES): NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT WAS OPERATING AT 100% POWER.

LAST IE SITE INSPECTION DATE: 08/24/89

INSPECTION REPORT NO: 89024

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
89-23	072589	082189	ENTRY INTO OPERATIONAL CONDITION 2 WITH AN INOPERABLE CONTROL ROD RESULTS* IN TECHNICAL SPECIFICATION VIOLATION DUE TO PROCEDURE DEFICIENCY AND OPERATOR ERROR.
89-24	072589	082489	PERSONNEL ERROR DURING VALVE LINE-UP AND INSTRUMENTATION DEFICIENCIES CAUSE TECHNICAL SPECIFICATION VIOLATION OF SUPPRESSION POOL MAKE-UP SYSTEM.
89-25	072689	082489	DESIGN LIMITATIONS AND OPERATIONAL CONSTRAINTS RESULTS IN INDICATED HIGH DIFFERENTIAL FLOW AND REACTOR WATER CLEANUP CONTAINMENT ISOLATIONS.

```
=====
```

1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: W. MUNRO (508) 747-8474

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): 505

11. Reasons for Restrictions, If Any:
ACTION LETTER 86-10.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>146,639.0</u>
13. Hours Reactor Critical	<u>715.3</u>	<u>3,505.3</u>	<u>83,284.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>715.3</u>	<u>2,896.2</u>	<u>80,113.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>810,960</u>	<u>2,104,334</u>	<u>137,584,382</u>
18. Gross Elec Ener (MWH)	<u>265,450</u>	<u>639,460</u>	<u>46,084,064</u>
19. Net Elec Ener (MWH)	<u>253,313</u>	<u>601,311</u>	<u>44,276,740</u>
20. Unit Service Factor	<u>96.1</u>	<u>49.7</u>	<u>54.6</u>
21. Unit Avail Factor	<u>96.1</u>	<u>49.7</u>	<u>54.6</u>
22. Unit Cap Factor (MDC Net)	<u>50.8</u>	<u>15.4</u>	<u>45.1</u>
23. Unit Cap Factor (DER Net)	<u>52.0</u>	<u>15.7</u>	<u>46.1</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>30.5</u>	<u>13.2</u>
25. Forced Outage Hours	<u>28.7</u>	<u>1,268.9</u>	<u>12,191.6</u>

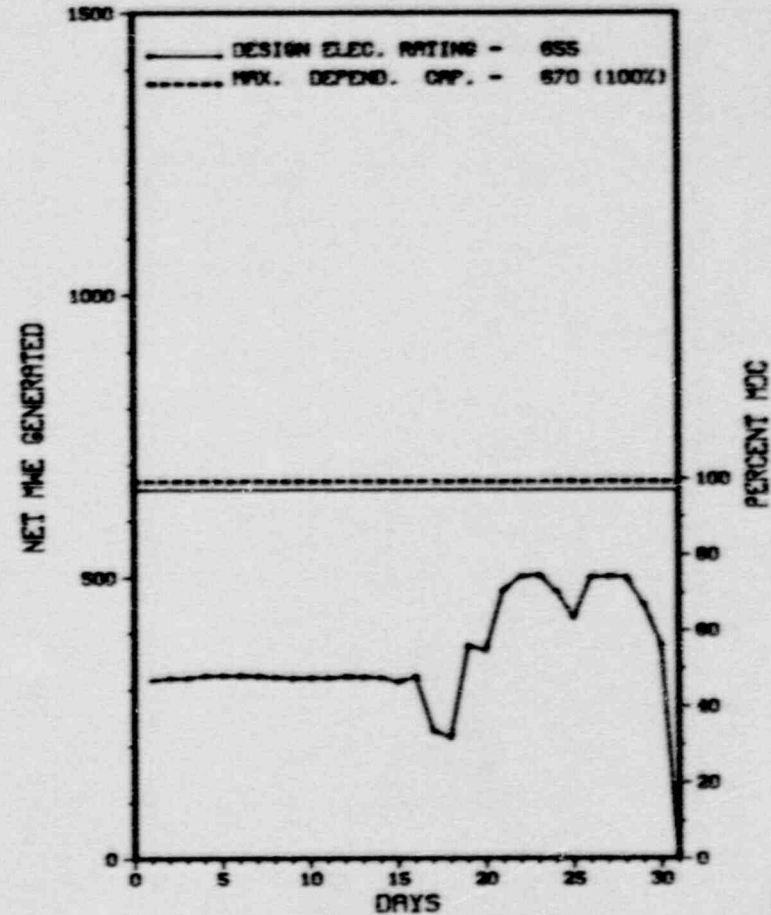
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINT - OCT 14, 1989 - 21 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 09/06/89

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	08/17/89	S	0.0	H	5		SG		POWER REDUCTION TO CLEAN WATER BOXES AND BACKWASH THE CONDENSER.
12	08/30/89	F	28.7	A	3	89-026-00	EL	60	MAIN GENERATOR VOLTAGE BALANCE RELAY WIRING ERROR. AUTOMATIC REACTOR SCRAM AT HIGH PRESSURE.

 * SUMMARY *

 PILGRIM 1 ENTERED AUGUST AT APPROXIMATELY 50% RATED THERMAL POWER. THE UNIT INCURRED ONE POWER REDUCTION AND RETURNED TO APPROXIMATELY 75% RATED THERMAL POWER WHEN IT INCURRED A FORCED OUTAGE AND REMAINED SHUTDOWN AT MONTHS END.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 AUG 1989

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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-266 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. 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

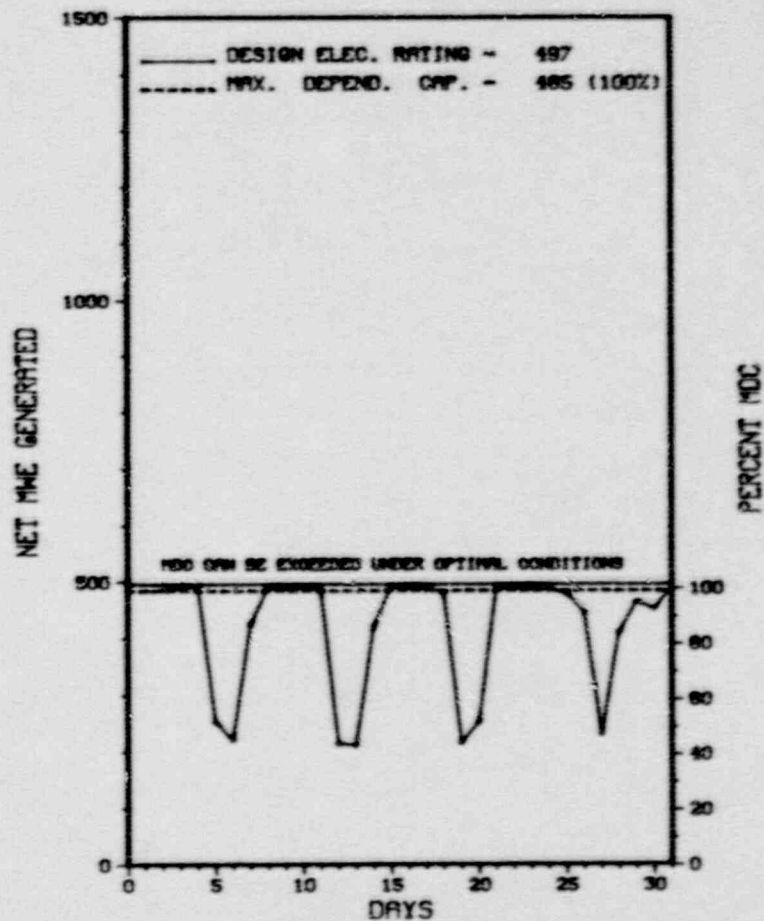
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>164,975.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,799.3</u>	<u>135,414.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>652.7</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>4,777.8</u>	<u>132,610.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>837.9</u>
17. Gross Therm Ener (MWH)	<u>985,053</u>	<u>6,875,689</u>	<u>184,218,513</u>
18. Gross Elec Ener (MWH)	<u>328,530</u>	<u>2,332,820</u>	<u>62,161,850</u>
19. Net Elec Ener (MWH)	<u>312,523</u>	<u>2,227,080</u>	<u>59,226,458</u>
20. Unit Service Factor	<u>100.0</u>	<u>81.9</u>	<u>80.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>81.9</u>	<u>80.9</u>
22. Unit Cap Factor (MDC Net)	<u>86.6</u>	<u>78.8</u>	<u>73.6*</u>
23. Unit Cap Factor (DER Net)	<u>84.5</u>	<u>76.8</u>	<u>72.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.0</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



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	08/05/89	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCED TO 48% DUE TO LOW ELECTRICAL DEMAND AND NUCLEAR FUEL CONSERVATION.
3	08/12/89	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCED TO 43% DUE TO LOW ELECTRICAL DEMAND AND NUCLEAR FUEL CONSERVATION.
4	08/19/89	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCED TO 47% DUE TO LOW ELECTRICAL DEMAND AND NUCLEAR FUEL CONSERVATION.
5	08/27/89	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCED TO 47% DUE TO LOW ELECTRICAL DEMAND AND NUCLEAR FUEL CONSERVATION.

 * SUMMARY *

 POINT BEACH 1 OPERATED AT APPROXIMATELY 490 MWE DURING AUGUST WITH THE EXCEPTION OF FOUR POWER REDUCTIONS AS A RESULT OF LOW ELECTRICAL DEMAND IN CONJUNCTION WITH FUEL CONSERVATION.

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

* POINT BEACH 1 *

FACILITY DATA

Report Period AUG 1989

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.....W. SWENSON
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 FROM JUNE 1 THROUGH JULY 15 (89020; 89019): A ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL CONTROLS; MAINTENANCE AND SURVEILLANCE; EMERGENCY PREPAREDNESS; SECURITY; ENGINEERING AND TECHNICAL SUPPORT; SAFETY ASSESSMENT/QUALITY VERIFICATION; AND TEMPORARY INSTRUCTION FOLLOWUP. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED AT FULL POWER WITH ONLY REQUESTED LOAD FOLLOWING POWER REDUCTIONS. ISSUES ADDRESSED IN THIS INSPECTION REPORT INCLUDE: STEAM GENERATOR BLOWDOWN SAMPLE ISOLATION VALVE FAILURE TO CLOSE; STEAM GENERATOR BLOWDOWN TANK MONITOR CALIBRATION; AND CORPORATE MANAGEMENT POSITION CHANGES. NEW ISSUES WHICH REMAIN UNRESOLVED INCLUDE: DIESEL GENERATOR TURBOCHARGER HOLDOWN BOLTS; STATION BATTERY D05; UNIT 2 SAFETY INJECTION ACCUMULATOR; AND RHR PIPING SUPPORT.

INSPECTION ON JUNE 19-30 (89019; 89018): SPECIAL ANNOUNCED SAFETY INSPECTION TO VERIFY THAT THE POINT BEACH EMERGENCY OPERATING PROCEDURES (EOPs) WERE TECHNICALLY CORRECT AND USABLE. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH 71 2515/92 (SIMS NO. HF 4.1). ONE VIOLATION WAS IDENTIFIED (FAILURE TO PROVIDE ADEQUATE CONTROL OF EOPs; HOWEVER, NO NOTICE OF VIOLATION WAS ISSUED SINCE THE LICENSEE HAD IDENTIFIED THE ISSUE AND WAS TAKING CORRECTIVE ACTION.

INSPECTION ON JULY 10-14 AND AUGUST 3 (89023; 89022): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED ITEMS (IP 92700); FOLLOWUP ON ACTUAL EMERGENCY PLAN ACTIVATIONS (IP 92701); OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM (IP 82701). THIS INSPECTION INVOLVED ONE NRC INSPECTOR. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED. ROUTINE MAINTENANCE OF THE EMERGENCY PREPAREDNESS PROGRAM APPEARS WELL IMPLEMENTED, WITH THE EXCEPTION OF THOSE TRAINING RELATED ITEMS CARRIED FROM PREVIOUS INSPECTIONS AS OPEN ITEMS. THE LICENSEE HAS NOT COMPLETED ACTION ON SEVERAL OUTSTANDING OPEN ITEMS, BUT PROGRESS IS BEING MADE

Report Period AUG 1989

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

* POINT BEACH 1 *

=====

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

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. 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>744.0</u>	<u>5,831.0</u>	<u>149,760.0</u>
13. Hours Reactor Critical	<u>725.3</u>	<u>5,796.6</u>	<u>131,898.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.6</u>	<u>.6</u>	<u>216.7</u>
15. Hrs Generator On-Line	<u>714.4</u>	<u>5,702.7</u>	<u>129,799.3</u>
16. Unit Reserve Shtdwn Hrs	<u>4.4</u>	<u>4.8</u>	<u>302.2</u>
17. Gross Therm Ener (MWH)	<u>1,078,103</u>	<u>8,596,529</u>	<u>184,542,363</u>
18. Gross Elec Ener (MWH)	<u>366,390</u>	<u>2,950,490</u>	<u>62,624,190</u>
19. Net Elec Ener (MWH)	<u>349,473</u>	<u>2,818,616</u>	<u>59,681,709</u>
20. Unit Service Factor	<u>96.0</u>	<u>97.8</u>	<u>86.7</u>
21. Unit Avail Factor	<u>96.6</u>	<u>97.9</u>	<u>86.9</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>99.7</u>	<u>81.4*</u>
23. Unit Cap Factor (DER Net)	<u>94.5</u>	<u>97.3</u>	<u>80.2</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>2.2</u>	<u>1.2</u>
25. Forced Outage Hours	<u>29.6</u>	<u>128.3</u>	<u>1,003.1</u>

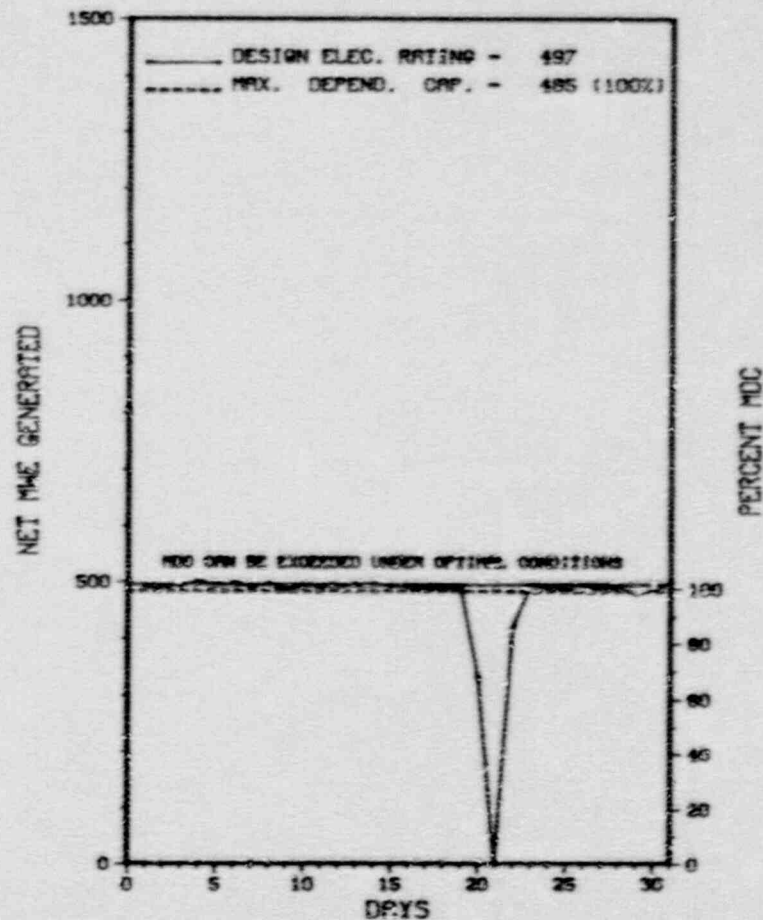
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINT-SEPT. 22, 1989 - 46 DAY DURATION

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

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	08/20/89	F	29.6	A	3	LER 89-004	EL	RELAYX	SPURIOUS ACTUATION OF "SUDDEN PRESSURE" RELAY CAUSED 2X01B MAIN TRANSFORMER LOCKOUT AND REACTOR/UNIT TRIP, RELAY TO BE REPLACED DURING SEPTEMBER 1989 MAINTENANCE OUTAGE.

 * SUMMARY *

 POINT BEACH 2 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period AUG 1989

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....W. SWENSON
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION FROM JUNE 1 THROUGH JULY 15 (89020; 89019): A ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL CONTROLS; MAINTENANCE AND SURVEILLANCE; EMERGENCY PREPAREDNESS; SECURITY; ENGINEERING AND TECHNICAL SUPPORT; SAFETY ASSESSMENT/QUALITY VERIFICATION; AND TEMPORARY INSTRUCTION FOLLOWUP. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED AT FULL POWER WITH ONLY REQUESTED LOAD FOLLOWING POWER REDUCTIONS. ISSUES ADDRESSED IN THIS INSPECTION REPORT INCLUDE: STEAM GENERATOR BLOWDOWN SAMPLE ISOLATION VALVE FAILURE TO CLOSE; STEAM GENERATOR BLOWDOWN TANK MONITOR CALIBRATION; AND CORPORATE MANAGEMENT POSITION CHANGES. NEW ISSUES WHICH REMAIN UNRESOLVED INCLUDE: DIESEL GENERATOR TURBOCHARGER HOLDOWN BOLTS; STATION BATTERY DO5; UNIT 2 SAFETY INJECTION ACCUMULATOR; AND RHR PIPING SUPPORT.

INSPECTION ON JUNE 19-30 (89019; 89018): SPECIAL ANNOUNCED SAFETY INSPECTION TO VERIFY THAT THE POINT BEACH EMERGENCY OPERATING PROCEDURES (EOPS) WERE TECHNICALLY CORRECT AND USABLE. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH TI 2515/92 (SIMS NO. HF 4.1). ONE VIOLATION WAS IDENTIFIED (FAILURE TO PROVIDE ADEQUATE CONTROL OF EOPS; HOWEVER, NO NOTICE OF VIOLATION WAS ISSUED SINCE THE LICENSEE HAD IDENTIFIED THE ISSUE AND WAS TAKING CORRECTIVE ACTION.

INSPECTION ON JULY 10-14 AND AUGUST 3 (89023; 89022): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED ITEMS (IP 92700); FOLLOWUP ON ACTUAL EMERGENCY PLAN ACTIVATIONS (IP 92701); OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM (IP 82701). THIS INSPECTION INVOLVED ONE NRC INSPECTOR. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED. ROUTINE MAINTENANCE OF THE EMERGENCY PREPAREDNESS PROGRAM APPEARS WELL IMPLEMENTED, WITH THE EXCEPTION OF THOSE TRAINING RELATED ITEMS CARRIED FROM PREVIOUS INSPECTIONS AS OPEN ITEMS. THE LICENSEE HAS NOT COMPLETED ACTION ON SEVERAL OUTSTANDING OPEN ITEMS, BUT PROGRESS IS BEING MADE

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* POINT BEACH 2 *

INSPECTION SUMMARY

TOWARDS RESOLUTION OF THESE ITEMS.

INSPECTION ON JULY 25 THROUGH AUGUST 24 (89022; 89021): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM (IP 83750), INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; STAFFING; EXTERNAL AND INTERNAL EXPOSURE CONTROLS; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; AUDITS AND APPRAISALS; AND THE ALARA PROGRAM. ALSO REVIEWED WERE SEVERAL RECENT INCIDENTS REGARDING DEGRADATION AND BREACHING OF HIGH RADIATION AREA (HRA) BARRIERS (IP 93702) AND COMPLIANCE WITH CERTAIN TMI ACTION PLAN ITEMS (TI 2515/65). ALTHOUGH THE LICENSEE'S RADIATION PROTECTION PROGRAM GENERALLY CONTINUES TO BE EFFECTIVE IN PROTECTING OCCUPATIONAL WORKERS, THE INSPECTORS PERCEIVED WEAKNESSES IN THE KEYWAY (REACTOR CAVITY PIT) ENTRY CONTROL POLICY, THE PERSONAL CONTAMINATION CONTROL PROGRAM, AND THE ALARA PROGRAM. ONE PROCEDURAL VIOLATION WITH THREE EXAMPLES WAS IDENTIFIED (FAILURE TO SUITABLY BARRICADE A HRA ON TWO OCCASIONS AND FAILURE TO FOLLOW REQUIREMENTS FOR ENTRY INTO ANOTHER HRA). THE VIOLATION IS INDICATIVE OF A SIGNIFICANT RECURRENT PROGRAMMATIC PROBLEM REGARDING HRA ENTRY CONTROL. FOLLOWUP OF PREVIOUSLY IDENTIFIED PROBLEMS CONCERNING INABILITY TO MEET TMI ACTION ITEMS II.B.3 AND III.D.3.3 DURING AN EXERCISE IDENTIFIED TWO POTENTIAL VIOLATIONS FOR FAILURE TO COMPLY WITH TMI ACTION PLAN CONFIRMATORY ORDERS. AN ENFORCEMENT CONFERENCE WILL BE HELD TO DETERMINE APPROPRIATE ENFORCEMENT ACTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 09/01/89

INSPECTION REPORT NO: 89025

Report Period AUG 1989

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

* POINT BEACH 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-03	071289	080989	SAFETY INJECTION ACCUMULATOR LEVEL DETECTOR INSTRUMENT FAILURE.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>137,711.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,811.7</u>	<u>116,190.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,808.7</u>	<u>114,719.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,224,529</u>	<u>9,504,179</u>	<u>180,852,393</u>
18. Gross Elec Ener (MWH)	<u>402,070</u>	<u>3,143,320</u>	<u>59,278,800</u>
19. Net Elec Ener (MWH)	<u>377,685</u>	<u>2,965,101</u>	<u>55,626,155</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.6</u>	<u>83.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.6</u>	<u>83.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.9</u>	<u>101.1</u>	<u>80.3</u>
23. Unit Cap Factor (DER Net)	<u>95.8</u>	<u>95.9</u>	<u>76.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.4</u>	<u>6.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>22.3</u>	<u>3,785.2</u>

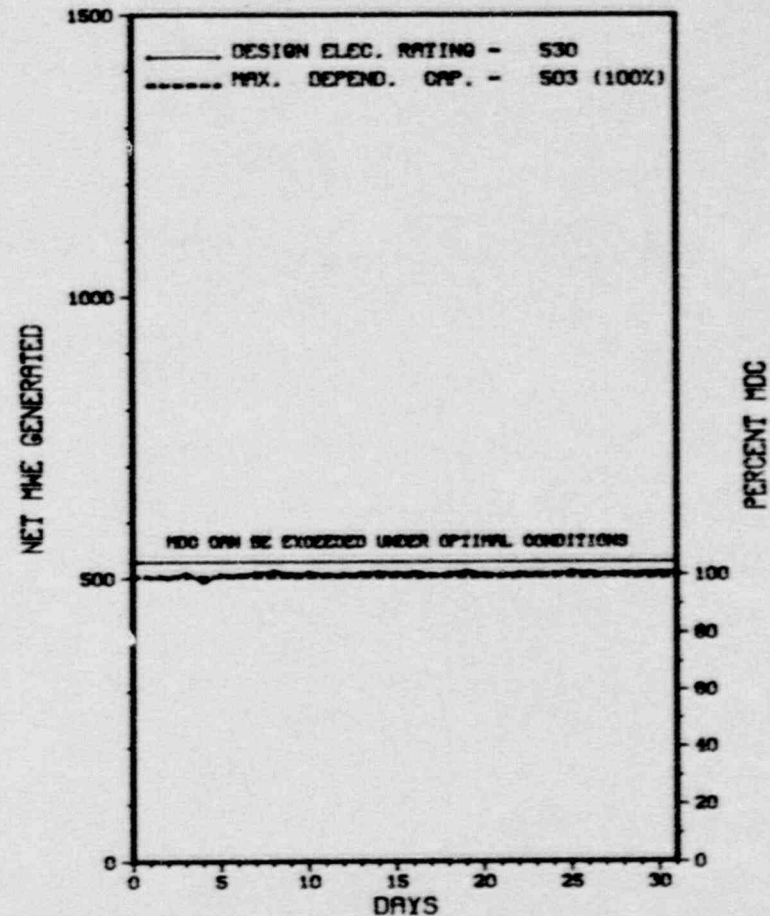
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JAN 10, 1990 - 33 DAY DURATION

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

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

NONE

* SUMMARY *

PRAIRIE ISLAND 1 OPERATED ROUTINELY DURING AUGUST WITH 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
	G-Oper Error	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period AUG 1989

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 14-18 (89022; 89022): ROUTINE ANNOUNCED INSPECTION OF THE LICENSEE'S IMPLEMENTATION OF THE ATWS RULE (10 CFR 50.62), INCLUDING THE DESIGN, INSTALLATION AND TESTING OF THE ATWS MITIGATION ACTUATION SYSTEM (25020). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. BASED ON THIS INSPECTION, THE INSPECTOR DETERMINED THAT THE LICENSEE HAS ADEQUATELY IMPLEMENTED THE REQUIREMENTS OF 10 CFR 50.62 AND GENERIC LETTER 85-06. THEIR PERFORMANCE IN THE ENGINEERING, CONSTRUCTION, MAINTENANCE, AND TRAINING AREAS WAS EXCELLENT.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, INSTRUCTIONS, PROCEDURES, AND DRAWINGS, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS AND PROCEDURES. ADMINISTRATIVE CONTROL DIRECTIVE 5ACD3.2, WORK CONTROL, REV. 15, STEP 6.14.3 REQUIRES WORK PROCEDURES TO BE AT THE JOB SITE AND THAT THE REQUIREMENTS AND/OR PRECAUTIONS SHALL BE FOLLOWED AND COMPLETION OF PROCEDURAL STEPS DOCUMENTED. CONTRARY TO THE ABOVE, ON JUNE 27, 1989, THE 480 VOLT BREAKER FOR THE 11 INVERTER INSTRUMENT BUS II WAS DEENERGIZED AND REMOVED FROM MOTOR CONTROL CENTER 1AC1, INSTEAD OF THE 480 VOLT BREAKER FOR THE 11 BATTERY CHARGER AS SPECIFIED BY WORK REQUEST N4669.
PRAIRIE ISLAND 1 (8901 4)

Report Period AUG 1989

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

* PRAIRIE ISLAND 1 *

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT 1 OPERATED CONTINUOUSLY DURING THE MONTH.

LAST IE SITE INSPECTION DATE: 08/18/89

INSPECTION REPORT NO: 89022

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
89-07	060689	081889	LACK OF CIRCUIT PROTECTION COORDINATION FOR ASSOCIATED CIRCUITS ON TWO APPENDIX R RELATED MOTOR CONTROL CENTERS.
89-09	071889	081789	AUTOMATIC CONTROL ROOM ISOLATION AND START OF CONTROL ROOM CLEANUP FAN DUE TO FAILURE OF A CHLORINE GAS MONITOR.
89-10	072189	081889	UNIT 1 REACTOR TRIP RESULTING FROM LOSS OF ONE REACTOR COOLANT PUMP DUE TO PERSONNEL ERROR.
89-11	072789	082589	DISCOVERY THAT A COMPANY EMPLOYEE HAD BEEN IMPROPERLY GRANTED UN ESCORTED ACCESS.
89-12	080489	090589	AUTOMATIC CONTROL ROOM ISOLATION AND START OF CONTROL ROOM CLEANUP FAN DUE TO FAILURE OF A CHLORINE GAS MONITOR.

```

=====

```


1. Docket: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (Mwt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>128,829.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,096.8</u>	<u>113,145.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,047.8</u>	<u>112,016.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,225,681</u>	<u>7,994,738</u>	<u>176,736,714</u>
18. Gross Elec Ener (MWH)	<u>399,980</u>	<u>2,622,100</u>	<u>57,579,590</u>
19. Net Elec Ener (MWH)	<u>376,705</u>	<u>2,472,555</u>	<u>54,143,186</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.6</u>	<u>86.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.6</u>	<u>86.9</u>
22. Unit Cap Factor (MDC Net)	<u>101.3</u>	<u>84.8</u>	<u>84.1</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>80.0</u>	<u>79.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.4</u>	<u>2.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>21.8</u>	<u>3,474.5</u>

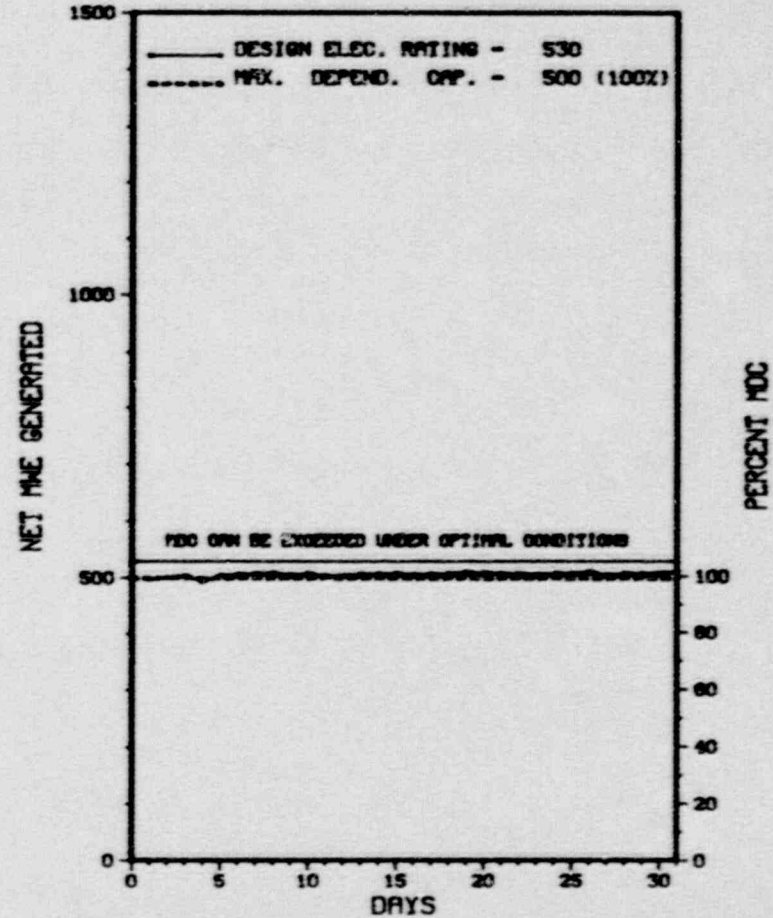
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

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

NONE

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED ROUTINELY DURING AUGUST 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)

 * PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period AUG 1989

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 AUGUST 14-18 (89022; 89022): ROUTINE ANNOUNCED INSPECTION OF THE LICENSEE'S IMPLEMENTATION OF THE ATWS RULE (10 CFR 50.62), INCLUDING THE DESIGN, INSTALLATION AND TESTING OF THE ATWS MITIGATION ACTUATION SYSTEM (25020). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. BASED ON THIS INSPECTION, THE INSPECTOR DETERMINED THAT THE LICENSEE HAS ADEQUATELY IMPLEMENTED THE REQUIREMENTS OF 10 CFR 50.62 AND GENERIC LETTER 85-06. THEIR PERFORMANCE IN THE ENGINEERING, CONSTRUCTION, MAINTENANCE, AND TRAINING AREAS WAS EXCELLENT.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, INSTRUCTIONS, PROCEDURES, AND DRAWINGS, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS AND PROCEDURES. ADMINISTRATIVE CONTROL DIRECTIVE 5ACDS.2, WORK CONTROL, REV. 15, STEP 6.14.3 REQUIRES WORK PROCEDURES TO BE AT THE JOB SITE AND THAT THE REQUIREMENTS AND/OR PRECAUTIONS SHALL BE FOLLOWED AND COMPLETION OF PROCEDURAL STEPS DOCUMENTED. CONTRARY TO THE ABOVE, ON JUNE 27, 1989, THE 480 VOLT BREAKER FOR THE 11 INVERTER INSTRUMENT BUS II WAS DEENERGIZED AND REMOVED FROM MOTOR CONTROL CENTER 1AC1, INSTEAD OF THE 480 VOLT BREAKER FOR THE 11 BATTERY CHARGER AS SPECIFIED BY WORK REQUEST N4669.
 PRAIRIE ISLAND 2 (8901 4)

Report Period AUG 1989

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

* PRAIRIE ISLAND 2 *

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT OPERATED CONTINUOUSLY DURING THE MONTH OF JUNE.

LAST IE SITE INSPECTION DATE: 08/18/89

INSPECTION REPORT NO: 89022

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: L. DEELSNYDER (309) 654-2241 X2185

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>151,703.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,550.1</u>	<u>123,092.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>735.2</u>	<u>5,438.2</u>	<u>119,096.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,451,592</u>	<u>11,883,237</u>	<u>253,573,316</u>
18. Gross Elec Ener (MNH)	<u>434,131</u>	<u>3,798,445</u>	<u>82,158,174</u>
19. Net Elec Ener (MWH)	<u>430,917</u>	<u>3,644,578</u>	<u>77,210,633</u>
20. Unit Service Factor	<u>98.8</u>	<u>93.3</u>	<u>78.5</u>
21. Unit Avail Factor	<u>98.8</u>	<u>93.3</u>	<u>79.1</u>
22. Unit Cap Factor (MDC Net)	<u>75.3</u>	<u>81.3</u>	<u>66.2</u>
23. Unit Cap Factor (DER Net)	<u>73.4</u>	<u>79.2</u>	<u>64.5</u>
24. Unit Forced Outage Rate	<u>1.2</u>	<u>6.7</u>	<u>5.2</u>
25. Forced Outage Hours	<u>8.8</u>	<u>392.8</u>	<u>4,190.1</u>

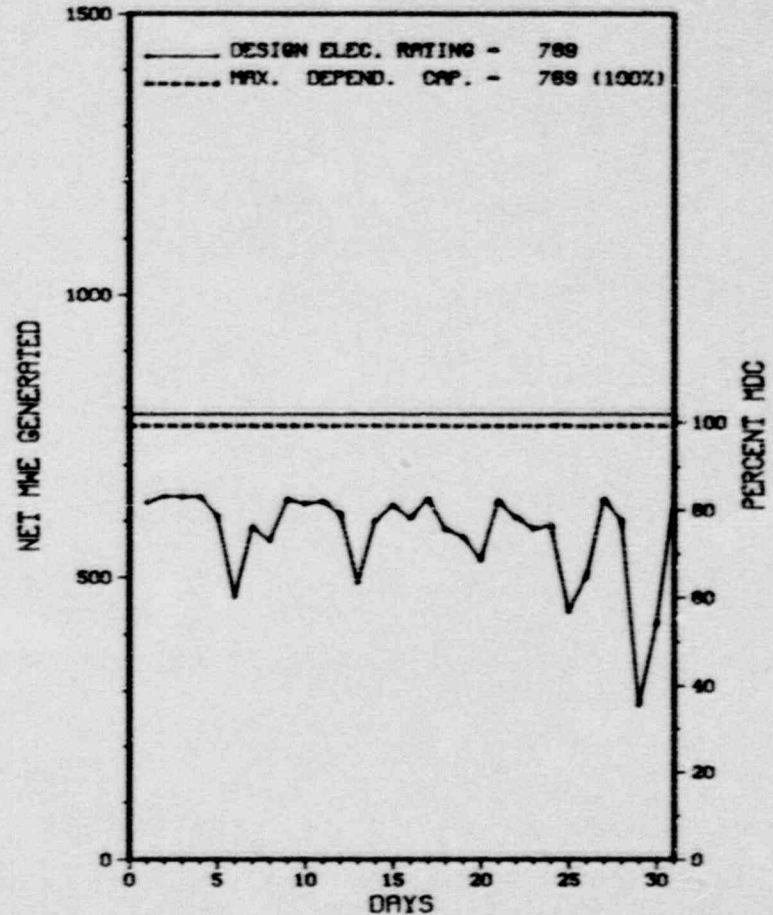
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-16	08/06/89	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN PER REQUEST OF CHICAGO LOAD DISPATCHER
89-17	08/13/89	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN PER REQUEST OF CHICAGO LOAD DISPATCHER
89-18	08/25/89	F	0.0	H	5	89-012	HE	VALVOP	POWER REDUCTION TAKEN DUE TO CONTROL VALVE FAST ACTING SOLENOID INOPERABLE
89-19	08/29/89	F	8.8	A	1		HC	HTEXCH	UNIT TO HOT STANDBY DUE TO CONDENSER AIR INLEAKAGE

 * SUMMARY *

 QUAD CITIES 1 INCURRED THREE POWER REDUCTIONS AND ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* QUAD CITIES 1 *

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

Report Period AUG 1989

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.....R. HIGGINS
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 MAY 14 THROUGH JUNE 24 (89012; 89012): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS ITEMS, PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE/SURVEILLANCE, EMERGENCY PREPAREDNESS, SECURITY, ENGINEERING/TECHNICAL SUPPORT AND SAFETY ASSESSMENT/QUALITY VERIFICATION. DURING THE INSPECTION PERIOD ONE APPARENT VIOLATION OF NRC REQUIREMENTS AND TWO UNRESOLVED ITEMS WERE DISCOVERED. THE ONE APPARENT VIOLATION WAS LICENSEE-IDENTIFIED: THE LOSS OF SECONDARY CONTAINMENT. THE UNRESOLVED ITEMS INVOLVED (1) THE INSTALLATION OF IMPROPER CHECK VALVES IN THE AIR SUPPLY TO THE ACTUATORS OF THE 18 INCH BUTTERFLY VALVES IN THE PURGE AND VENT SYSTEMS OF THE PRIMARY CONTAINMENT OF UNITS 1 AND 2 AND (2) MULTIPLE EXAMPLES OF ERRORS IN THE UFSAR. UNIT 1 SHUTDOWN TO REPAIR AN UNISOLABLE FEEDWATER LEAK ON MAY 16-19, EXPERIENCED MAIN TURBINE CONTROL VALVE FLUCTUATIONS ON MAY 31 AND JUNE 8, EXPERIENCED A TRIP OF THE 1A REACTOR RECIRCULATION PUMP ON JUNE 5, AND HAS BEEN OPERATING WITH A DEGRADED INNER SEAL ON THE 1B REACTOR RECIRCULATION PUMP SINCE EARLY JUNE. UNIT 2 REDUCED POWER ON MAY 22 TO REPAIR A LEAK IN THE DRYWELL, SHUT DOWN MAY 24-25 TO REPAIR ANOTHER LEAK IN THE DRYWELL, SHUT DOWN MAY 30 THROUGH JUNE 1 TO REPAIR THE TWO DRYWELL FLOOR DRAIN SUMP PUMPS, AND HAS OPERATED NORMALLY EVER SINCE. THE LICENSEE COMPLETED TWO MAJOR PLANT MODIFICATIONS WITHOUT INCIDENT: THE INSTALLATION OF A UNIT 2 125 VDC TEMPORARY BATTERY AND THE REPLACEMENT OF THE UNIT 2 125 VDC BATTERY, AND THE CONTROL ROOM CEILING AND HVAC MODIFICATION. THE OVERALL RADIOLOGICAL PERFORMANCE REMAINED NOTEWORTHY. THE NUMBER OF PERSONNEL CONTAMINATIONS AND AMOUNT OF RADIATION EXPOSURE WERE LESS THAN PROJECTED DESPITE EXTENSIVE UNANTICIPATED MAINTENANCE ACTIVITIES WHICH TOOK PLACE IN RADIATION AND CONTAMINATION AREAS. FOR MOST OF THE INSPECTION PERIOD BOTH UNITS WERE AT OR NEAR FULL POWER WITH ONLY TWO OR THREE ILLUMINATED ANNUNCIATORS ON EITHER UNIT. PLANT CLEANLINESS REMAINED NOTEWORTHY. AT THE END OF THE INSPECTION PERIOD UNIT 1 HAD OPERATED FOR 35 CONSECUTIVE DAYS AND UNIT 2 HAD OPERATED FOR 24 CONSECUTIVE DAYS.

INSPECTION ON JUNE 25 THROUGH AUGUST 19 (89016; 89016): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT, REGIONAL AND
PAGE 2-360

Report Period AUG 1989

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

* QUAD CITIES 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-10	062989	082989	REACTOR SCRAM FROM AN INDUCED VOLTAGE DUE TO LOOSE WIRE ON THE CONDENSER LOW VACUUM PRESSURE SWITCH INDICATING LAMP.
89-11	070789	080789	UNIT ONE DIESEL GENERATOR FIRE PROTECTION SYSTEM INOPERABLE DUE TO PLUGGED SOLENOID VALVE EXHAUST PORT CAUSING FAILURE OF DAMPER TO CLOSE.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-265 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: L. DEELSNYDER (309) 654-2241 X2185

4. Licensed Thermal Power (Mwt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>150,813.0</u>
13. Hours Reactor Critical	<u>581.3</u>	<u>5,551.9</u>	<u>116,502.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>576.5</u>	<u>5,505.1</u>	<u>113,236.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,278,545</u>	<u>12,012,221</u>	<u>242,942,296</u>
18. Gross Elec Ener (MWH)	<u>409,332</u>	<u>3,886,287</u>	<u>77,819,748</u>
19. Net Elec Ener (MWH)	<u>388,297</u>	<u>3,713,822</u>	<u>73,441,805</u>
20. Unit Service Factor	<u>77.5</u>	<u>94.4</u>	<u>75.1</u>
21. Unit Avail Factor	<u>77.5</u>	<u>94.4</u>	<u>75.6</u>
22. Unit Cap Factor (MDC Net)	<u>67.9</u>	<u>82.8</u>	<u>63.3</u>
23. Unit Cap Factor (DER Net)	<u>66.1</u>	<u>80.7</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>15.9</u>	<u>4.6</u>	<u>8.2</u>
25. Forced Outage Hours	<u>109.0</u>	<u>267.4</u>	<u>6,241.1</u>

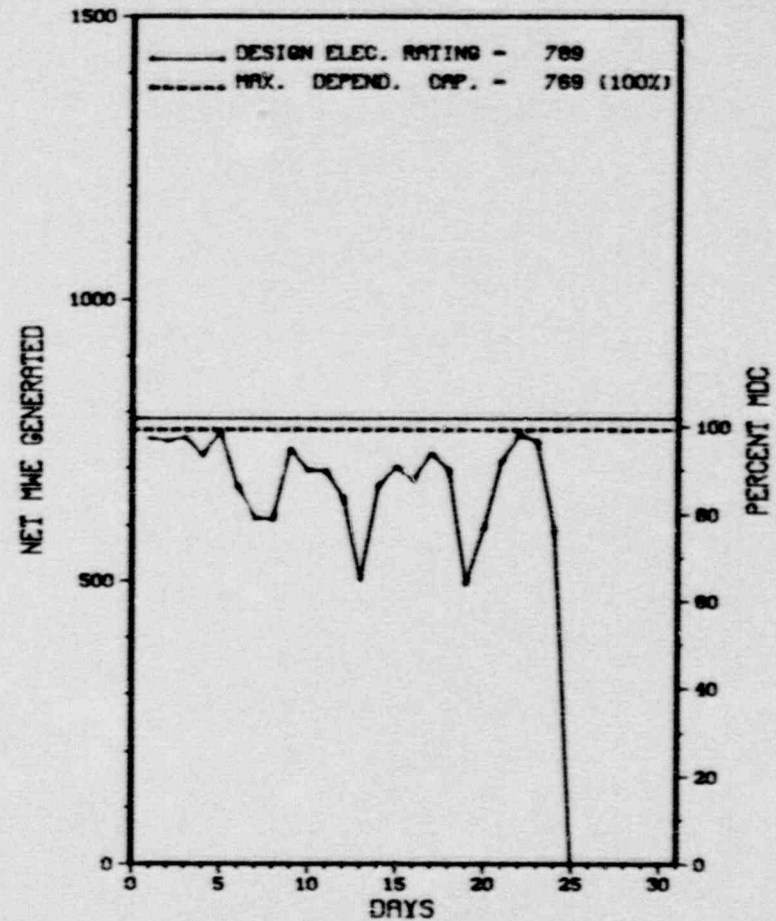
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* QUAD CITIES 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-16	08/13/89	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN PER REQUEST OF CHICAGO LOAD DISPATCHER.
89-17	08/19/89	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN PER REQUEST OF CHICAGO LOAD DISPATCHER.
89-18	08/24/89	S	58.5	B	2		CB	PUMPXX	UNIT SHUTDOWN FOR RECIRCULATION PUMP SEAL REPLACEMENT
89-19	08/27/89	F	109.0	A	9			PIPEXX	FORCED OUTAGE DUE TO RESIDUAL HEAT REMOVAL SERVICE WATER LINE BREAK

 * SUMMARY *

 QUAD CITIES 2 INCURRED TWO POWER REDUCTION AND TWO OUTAGES DURING AUGUST AS DESCRIBED ABOVE.

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

* QUAD CITIES 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...APRIL 26, 1972
DATE ELEC ENER 1ST GENER...MAY 23, 1972
DATE COMMERCIAL OPERATE...MARCH 10, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HIGGINS
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 MAY 14 THROUGH JUNE 24 (89012; 89012): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS ITEMS, PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE/SURVEILLANCE, EMERGENCY PREPAREDNESS, SECURITY, ENGINEERING/TECHNICAL SUPPORT AND SAFETY ASSESSMENT/QUALITY VERIFICATION. DURING THE INSPECTION PERIOD ONE APPARENT VIOLATION OF NRC REQUIREMENTS AND TWO UNRESOLVED ITEMS WERE DISCOVERED. THE ONE APPARENT VIOLATION WAS LICENSEE-IDENTIFIED: THE LOSS OF SECONDARY CONTAINMENT. THE UNRESOLVED ITEMS INVOLVED (1) THE INSTALLATION OF IMPROPER CHECK VALVES IN THE AIR SUPPLY TO THE ACTUATORS OF THE 18 INCH BUTTERFLY VALVES IN THE PURGE AND VENT SYSTEMS OF THE PRIMARY CONTAINMENT OF UNITS 1 AND 2 AND (2) MULTIPLE EXAMPLES OF ERRORS IN THE UFSAR. UNIT 1 SHUTDOWN TO REPAIR AN UNISOLABLE FEEDWATER LEAK ON MAY 16-19, EXPERIENCED MAIN TURBINE CONTROL VALVE FLUCTUATIONS ON MAY 31 AND JUNE 8, EXPERIENCED A TRIP OF THE 1A REACTOR RECIRCULATION PUMP ON JUNE 5, AND HAS BEEN OPERATING WITH A DEGRADED INNER SEAL ON THE 1B REACTOR RECIRCULATION PUMP SINCE EARLY JUNE. UNIT 2 REDUCED POWER ON MAY 22 TO REPAIR A LEAK IN THE DRYWELL, SHUT DOWN MAY 24-25 TO REPAIR ANOTHER LEAK IN THE DRYWELL, SHUT DOWN MAY 30 THROUGH JUNE 1 TO REPAIR THE TWO DRYWELL FLOOR DRAIN SUMP PUMPS, AND HAS OPERATED NORMALLY EVER SINCE. THE LICENSEE COMPLETED TWO MAJOR PLANT MODIFICATIONS WITHOUT INCIDENT: THE INSTALLATION OF A UNIT 2 125 VDC TEMPORARY BATTERY AND THE REPLACEMENT OF THE UNIT 2 125 VDC BATTERY, AND THE CONTROL ROOM CEILING AND HVAC MODIFICATION. THE OVERALL RADIOLOGICAL PERFORMANCE REMAINED NOTEWORTHY. THE NUMBER OF PERSONNEL CONTAMINATIONS AND AMOUNT OF RADIATION EXPOSURE WERE LESS THAN PROJECTED DESPITE EXTENSIVE UNANTICIPATED MAINTENANCE ACTIVITIES WHICH TOOK PLACE IN RADIATION AND CONTAMINATION AREAS. FOR MOST OF THE INSPECTION PERIOD BOTH UNITS WERE AT OR NEAR FULL POWER WITH ONLY TWO OR THREE ILLUMINATED ANNUNCIATORS ON EITHER UNIT. PLANT CLEANLINESS REMAINED NOTEWORTHY. AT THE END OF THE INSPECTION PERIOD UNIT 1 HAD OPERATED FOR 35 CONSECUTIVE DAYS AND UNIT 2 HAD OPERATED FOR 24 CONSECUTIVE DAYS.

INSPECTION ON JUNE 25 THROUGH AUGUST 19 (89016; 89016): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT, REGIONAL AND

INSPECTION SUMMARY

NUCLEAR REACTOR REGULATION (NRR) INSPECTORS OF PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE/ SURVEILLANCE, LICENSEE ACTION ON PREVIOUS ITEMS, EMERGENCY PREPAREDNESS, SECURITY, ENGINEERING/TECHNICAL SUPPORT AND SAFETY ASSESSMENT/QUALITY VERIFICATION. DURING THE INSPECTION PERIOD, ONE PREVIOUSLY-IDENTIFIED UNRESOLVED ITEM WAS DETERMINED TO BE A VIOLATION OF NRC REQUIREMENTS, AND ONE NEW UNRESOLVED ITEM WAS IDENTIFIED.

INSPECTION ON AUGUST 14-18 (89018; 89018): MANAGEMENT SUPPORT, SECURITY PROGRAM PLANS, AND AUDITS; PROTECTED AND VITAL AREA PHYSICAL BARRIERS, DETECTION AND ASSESSMENT AIDS; PROTECTED AND VITAL ACCESS CONTROL OF PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING, MAINTENANCE AND COMPENSATORY MEASURES; AND SECURITY TRAINING/QUALIFICATION. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. LICENSEE MANAGEMENT ATTENTION AND INVOLVEMENT ARE EVIDENT. EMPHASIS ON SUPERIOR PERFORMANCE OF SAFEGUARDS ACTIVITIES HAS RESULTED IN PERFORMANCE WHICH EXCEEDS REGULATORY REQUIREMENTS.

INSPECTION FROM AUGUST 16 TO AUGUST 2 (88024, 88024; 88015, 88014; 88020, 88021; 88023, 88022; 88022, 88022; 88017, 88017): SPECIAL UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF PROCEDURES AND DATA REGARDING CONTROL CONTROL OF OVERTIME IN ACCORDANCE WITH THE NRC POLICY STATEMENT "NUCLEAR POWER PLANT STAFF WORKING HOURS" AND AN ALLEGATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL CONCERNS WERE FORWARDED TO THE LICENSEE FOR RESPONSE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT CURRENTLY OPERATING AT 30% POWER DUE TO ILLINOIS EPA RESTRICTIONS ON DISCHARGE/DOWNSTREAM WATER TEMPERATURE.

LAST IE SITE INSPECTION DATE: 08/18/89

INSPECTION REPORT NO: 89018

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: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: MARLA MUELLER (916) 452-3211

4. Licensed Thermal Power (Mwt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>126,000.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,354.6</u>	<u>60,463.4</u>
14. Rx Reserve Shtdwn Hrs	<u>744.0</u>	<u>2,088.4</u>	<u>12,736.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,216.6</u>	<u>57,810.1</u>
16. Unit Reserve Shtdwn Hrs	<u>744.0</u>	<u>2,089.3</u>	<u>3,299.5</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,623,125</u>	<u>138,318,800</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,575,699</u>	<u>46,228,877</u>
19. Net Elec Ener (MWH)	<u>-4,318</u>	<u>1,430,401</u>	<u>43,231,424</u>
20. Unit Service Factor	<u>.0</u>	<u>38.0</u>	<u>45.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.8</u>	<u>48.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>28.1</u>	<u>39.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>26.7</u>	<u>37.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>40.8</u>	<u>42.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,525.1</u>	<u>43,287.6</u>

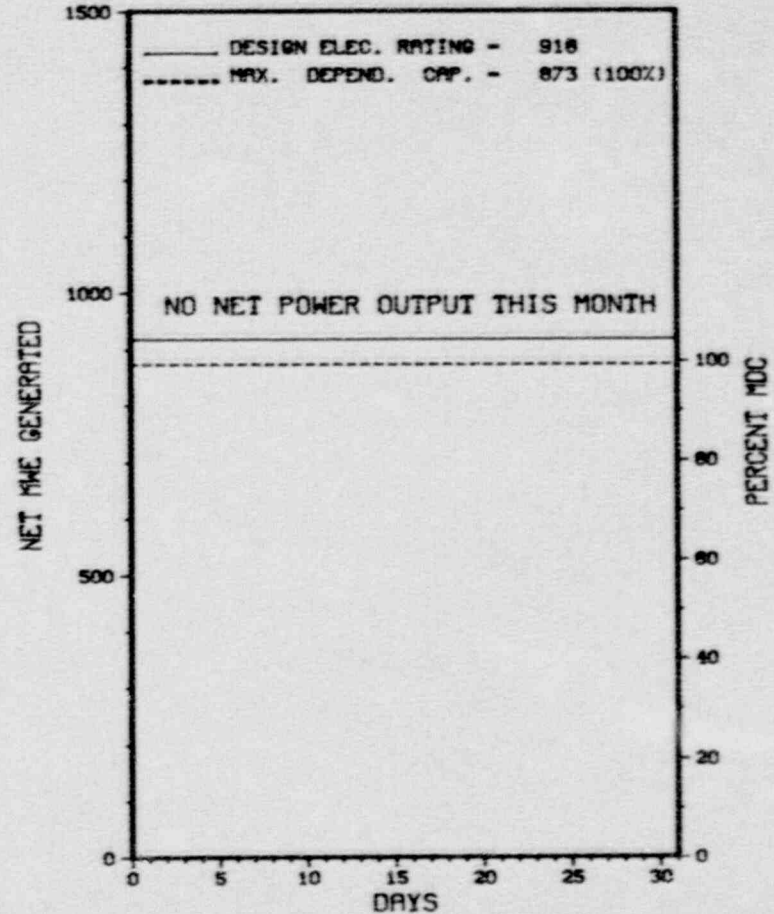
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
20	06/07/89	S	744.0	F	4			PLANT SHUT DOWN JUNE 7 FOLLOWING NEGATIVE OUTCOME OF PUBLIC VOTE REGARDING CONTINUED OPERATION OF RANCHO SECO BY SMUD

* SUMMARY *

RANCHO SECO REMAINED SHUTDOWN DURING AUGUST FOLLOWING NEGATIVE OUTCOME OF PUBLIC VOTE REGARDING CONTINUED OPERATION OF THE UNIT BY SMUD.

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

* RANCHO SECO 1 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. DANGLIO
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 JUNE 3 - JULY 31, 1989 (REPORT NO. 50-312/89-10) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS AND IN PART BY A NRR PROJECT MANAGER. INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, HEALTH PHYSICS AND SECURITY OBSERVATIONS, MAINTENANCE, SURVEILLANCE AND TESTING, QUALITY ASSURANCE AND FOLLOWUP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 8-18, 1989 (REPORT NO. 50-312/89-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 22 - SEPTEMBER 1, 1989 (REPORT NO. 50-312/89-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 28 - SEPTEMBER 1, 1989 (REPORT NO. 50-312/89-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

Report Period AUG 1989

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

* RANCHO SECO 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE PLANT WAS SHUT DOWN ON JUNE 7, 1989, FOLLOWING ELECTION RESULTS WHICH INDICATED THAT THE VOTERS WANTED COLD TO STOP OPERATING RANCHO SECO. THE LICENSEE IS RECONSIDERING PLANS TO DECOMMISSION THE PLANT AND REDUCE STAFFING IN CONJUNCTION WITH CONSIDERING OPTIONS TO SELL THE FACILITY.

PLANT STATUS:

THE PLANT IS IN COLD SHUTDOWN.

LAST IE SITE INSPECTION DATE: 08/28 - 09/01/89+

INSPECTION REPORT NO: 50-312/89-14+

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
89-06-L0	03-20-89	05-16-89	FLOW ESTIMATE OF EFFLUENT RELEASED FROM "A" RHUT NOT PERFORMED DUE TO PERSONNEL ERROR
89-07-L0	03-20-89	06-16-89	INOPERABLE RADIATION MONITORS DUE TO DEVIATION FROM PROCEDURES

1. Docket: 50-458 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R. E. COLE 635-6094 X4826

4. Licensed Thermal Power (Mwt): 2894

5. Nameplate Rating (Gross MWe): 0000

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>744.0</u>	<u>5,831.0</u>	<u>32,831.0</u>
13. Hours Reactor Critical	<u>664.4</u>	<u>3,268.3</u>	<u>23,262.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>650.5</u>	<u>3,098.8</u>	<u>21,782.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,738,774</u>	<u>7,507,783</u>	<u>55,475,394</u>
18. Gross Elec Ener (MWH)	<u>578,311</u>	<u>2,491,196</u>	<u>18,848,131</u>
19. Net Elec Ener (MWH)	<u>541,044</u>	<u>2,320,376</u>	<u>17,594,563</u>
20. Unit Service Factor	<u>87.4</u>	<u>53.1</u>	<u>66.3</u>
21. Unit Avail Factor	<u>87.4</u>	<u>53.1</u>	<u>66.3</u>
22. Unit Cap Factor (MDC Net)	<u>77.7</u>	<u>42.5</u>	<u>57.3</u>
23. Unit Cap Factor (DER Net)	<u>77.7</u>	<u>42.5</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>12.6</u>	<u>17.9</u>	<u>11.5</u>
25. Forced Outage Hours	<u>93.5</u>	<u>676.1</u>	<u>2,836.5</u>

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

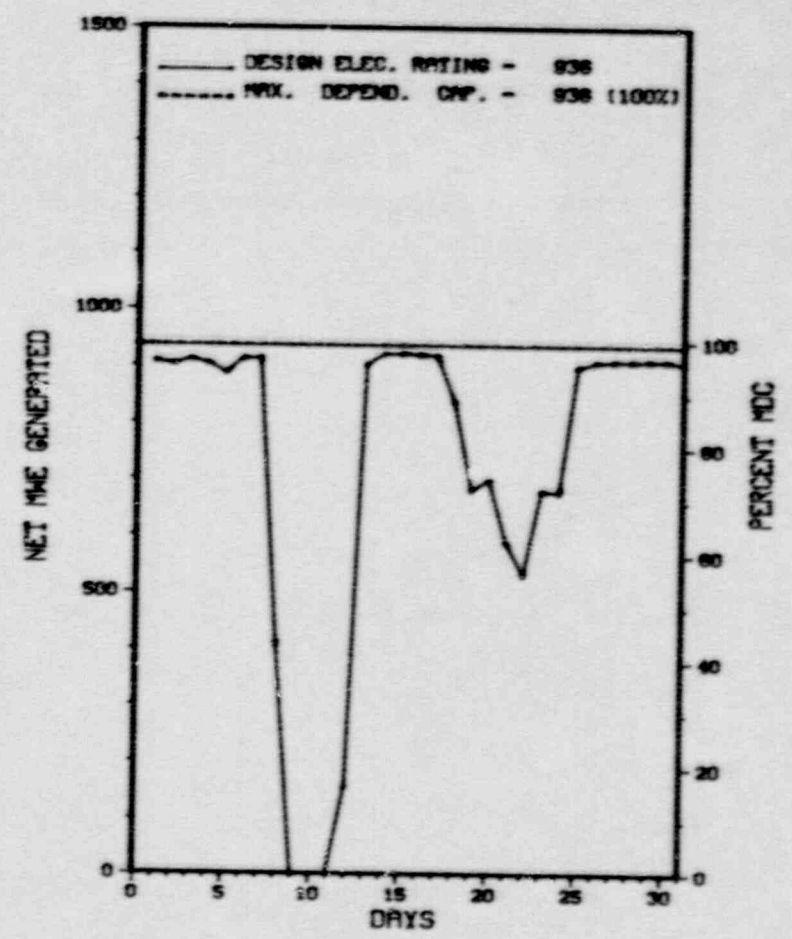
NONE

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

* R I V E R B E N D 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RIVER BEND 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* RIVER BEND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
89-11	08/08/89	F	93.5	A	1			RECIRCULATION PUMP "B" SEAL LEAKAGE

***** RIVER BEND 1 INCURRED ONE FORCED OUTAGE DURING AUGUST DUE TO RECIRCULATION PUMP "B" SEAL LEAKAGE.
* 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)

* RIVER BEND 1 *

FACILITY DATA

Report Period AUG 1989

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 77704
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
EJC 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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 19-23, 1989 (89-30) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM. THE AREAS INSPECTED WITHIN THE PHYSICAL SECURITY PROGRAM INCLUDED MANAGEMENT SUPPORT, SECURITY PROGRAM PLANS, AND AUDITS; PROTECTED AND VITAL AREA (VA) ACCESS CONTROL OF PERSONNEL; ALARM STATIONS AND COMMUNICATIONS; TESTING, MAINTENANCE, AND COMPENSATORY MEASURES; AND SECURITY PERSONNEL TRAINING AND QUALIFICATIONS. WITHIN THE AREAS INSPECTED, ONE APPARENT VIOLATION (SEE PARAGRAPH 4.B.), ONE UNRESOLVED ITEM (SEE PARAGRAPH 4.C), AND NO DEVIATIONS WERE IDENTIFIED. AS EVIDENCED BY THE APPARENT VIOLATION INVOLVING AN INADEQUATE COMPENSATORY MEASURE ARISING FROM SECURITY OFFICER INATTENTIVENESS, THE LICENSEE NEEDS TO STRENGTHEN ITS EFFORT TO ESTABLISH MEASURES TO IMPROVE PERSONNEL PERFORMANCE. AN UNRESOLVED ITEM THAT WAS IDENTIFIED RELATES TO THE ADEQUACY OF THE SECURITY OFFICER FIREARMS QUALIFICATION CERTIFICATION PROCESS. SPECIFICALLY, THE INSPECTOR COULD NOT ASCERTAIN FROM RECORDS WHICH SECURITY OFFICER FIRING ATTEMPTS WERE FOR QUALIFICATION CERTIFICATION AND WHICH WERE FOR PRACTICE.

INSPECTION CONDUCTED JULY 17-21, 1989 (89-32) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SURVEILLANCE TESTING PROGRAM AND PLANT INSTRUMENTATION CALIBRATION PROGRAM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE HAS DEVELOPED A COMPREHENSIVE PROGRAM FOR TRACKING REQUIRED SURVEILLANCE TESTS AND NON-TECHNICAL SPECIFICATION INSTRUMENTATION CALIBRATIONS, AND FOR DETERMINING THE STATUS OF EACH.

* RIVER BEND 1 *

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

Report Period AUG 1989

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 21, 1989

INSPECTION REPORT NO: 50-458/89-32

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 REPORT

NONE

=====

1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: V.F. HAYNESWORTH (803)383-4524

4. Licensed Thermal Power (Mwt): 2300

5. Nameplate Rating (Gross MWe): 739

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

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

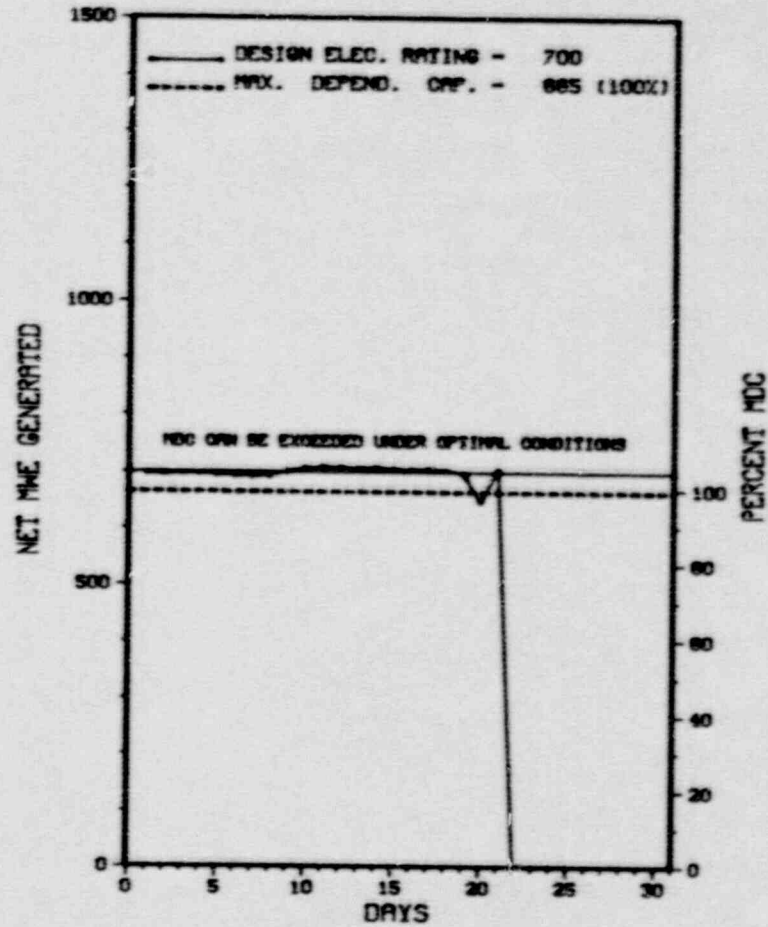
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>162,125.0</u>
13. Hours Reactor Critical	<u>506.3</u>	<u>4,024.2</u>	<u>115,344.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,159.6</u>
15. Hrs Generator On-Line	<u>505.8</u>	<u>3,907.9</u>	<u>112,654.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,153,829</u>	<u>8,455,328</u>	<u>227,164,811</u>
18. Gross Elec Ener (MWH)	<u>369,839</u>	<u>2,813,101</u>	<u>73,577,843</u>
19. Net Elec Ener (MWH)	<u>350,695</u>	<u>2,661,886</u>	<u>69,518,435</u>
20. Unit Service Factor	<u>68.0</u>	<u>67.0</u>	<u>69.5</u>
21. Unit Avail Factor	<u>68.0</u>	<u>67.0</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>70.9</u>	<u>68.6</u>	<u>64.5</u>
23. Unit Cap Factor (DER Net)	<u>67.3</u>	<u>65.2</u>	<u>61.3</u>
24. Unit Forced Outage Rate	<u>32.0</u>	<u>13.2</u>	<u>14.0</u>
25. Forced Outage Hours	<u>238.2</u>	<u>593.3</u>	<u>12,646.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/14/89

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ROBINSON 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0801	08/22/89	F	238.2	D	1	89-010	HG	PIPEXX	THE UNIT WAS FORCED OFFLINE DUE TO A 24-HOUR LCO INVOLVING THE AUXILIARY FEEDWATER SYSTEM. THIS OUTAGE IS EXTENDED INTO SEPTEMBER TO RESOLVE A DESIGN BASIS ISSUE CONCERNING THE NET POSITIVE SUCTION HEAD FOR THE AUXILIARY FEEDWATER PUMPS.

* SUMMARY *

ROBINSON 2 INCURRED ONE FORCED OUTAGE DURING AUGUST DUE TO A 24-HOUR LCO INVOLVING THE AUXILIARY FEEDWATER SYSTEM.

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

* ROBINSON 2 *

FACILITY DATA

Report Period AUG 1989

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 JUNE 11 - JULY 10 (89-12): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, ONSITE FOLLOWUP OF EVENTS, OPERATOR REQUALIFICATION EXAM FAILURE CONTROL, AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. ONE VIOLATION WITH TWO EXAMPLES WAS ISSUED INVOLVING INADEQUATE DESIGN CONTROLS FOR OT DELTA T AND OP DELTA T SETPOINTS. THIS IS INDICATIVE OF A LACK OF ATTENTION TO DETAILS FOR CONTROL OF REACTOR PROTECTION SYSTEM SETPOINTS. THE LICENSEE IS IN THE PROCESS OF VERIFYING THAT MANUAL ISOLATION OF SW TO NON-SAFETY RELATED COMPONENTS CAN BE ACCOMPLISHED IN A TIMELY MANNER IF REQUIRED. THE LICENSEE IS IN THE PROCESS OF DETERMINING WHY TWO SPENT FUEL ASSEMBLIES HAVE BECOME UNLATCHED FROM A FUEL HANDLING TOOL DURING SPENT FUEL POOL FUEL MOVEMENTS. PROCEDURE CONTROLS AND LICENSEE'S SENSITIVITY REGARDING REMOVAL OF LICENSED OPERATIONS FROM SHIFT DUTIES UPON FAILURE TO PASS REQUALIFICATION EXAMS ARE CONSIDERED ADEQUATE TO PRECLUDE THIS SITUATION FROM OCCURRING.

INSPECTION JULY 31 - AUGUST 4 (89-14): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF RADIOLOGICAL EFFLUENTS, PLANT CHEMISTRY, AND ENVIRONMENTAL MONITORING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE CHEMISTRY COUNTING ROOM QUALITY CONTROL PROGRAM WAS ADEQUATE IN ENSURING THE ACCURACY OF PLANT RADIOCHEMICAL MEASUREMENTS. PLANT CHEMISTRY HAD BEEN GENERALLY MAINTAINED WELL WITHIN THE GUIDELINES RECOMMENDED BY THE STEAM GENERATOR OWNER'S GROUP. THE ENVIRONMENTAL MONITORING PROGRAM APPEARED EFFECTIVE IN ASSESSING THE IMPACT OF RADIOLOGICAL RELEASES TO THE ENVIRONMENT. LIQUID AND GASEOUS EFFLUENTS WERE WELL WITHIN TECHNICAL SPECIFICATIONS, 10 CFR 20, AND 10 CFR 50 EFFLUENT LIMITATIONS FOR 1988.

1. Docket: 50-272 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 1158

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>106,704.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,573.3</u>	<u>68,205.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,387.7</u>	<u>66,023.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,486,186</u>	<u>11,221,389</u>	<u>206,860,383</u>
18. Gross Elec Ener (MWH)	<u>823,920</u>	<u>3,714,190</u>	<u>68,659,168</u>
19. Net Elec Ener (MWH)	<u>790,182</u>	<u>3,527,077</u>	<u>65,333,692</u>
20. Unit Service Factor	<u>100.0</u>	<u>58.1</u>	<u>61.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>58.1</u>	<u>61.9</u>
22. Unit Cap Factor (MDC Net)	<u>96.0</u>	<u>54.7</u>	<u>55.4</u>
23. Unit Cap Factor (DER Net)	<u>91.7</u>	<u>54.0</u>	<u>52.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.2</u>	<u>23.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>468.7</u>	<u>20,144.8</u>

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

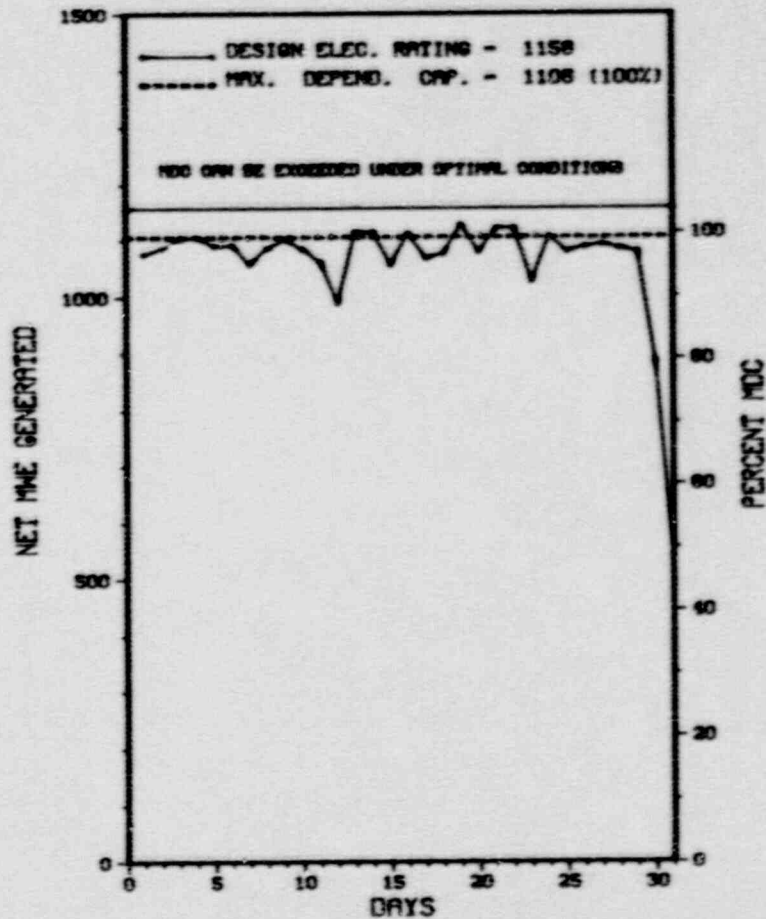
NONE

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0107	08/11/89	F	0.0	B	5		HH	FILTER	CONDENSATE PUMP STRAINERS
0110	08/30/89	F	0.0	A	5		HF	MOTORX	CIRC. WATER MOTORS TRIPPED

***** SALEM 1 INCURRED TWO FORCED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.
 * SUMMARY *

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

* SALEM 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE...JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....J. STONE
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 08/U1/89 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 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 MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>69,120.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,210.0</u>	<u>43,580.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,033.2</u>	<u>42,171.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,384,116</u>	<u>16,451,967</u>	<u>132,232,270</u>
18. Gross Elec Ener (MWH)	<u>788,870</u>	<u>5,480,734</u>	<u>43,337,984</u>
19. Net Elec Ener (MWH)	<u>755,162</u>	<u>5,259,727</u>	<u>41,252,553</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.3</u>	<u>61.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.3</u>	<u>61.0</u>
22. Unit Cap Factor (MDC Net)	<u>91.8</u>	<u>81.6</u>	<u>54.0</u>
23. Unit Cap Factor (DER Net)	<u>91.0</u>	<u>80.9</u>	<u>53.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.7</u>	<u>28.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>797.8</u>	<u>17,116.2</u>

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

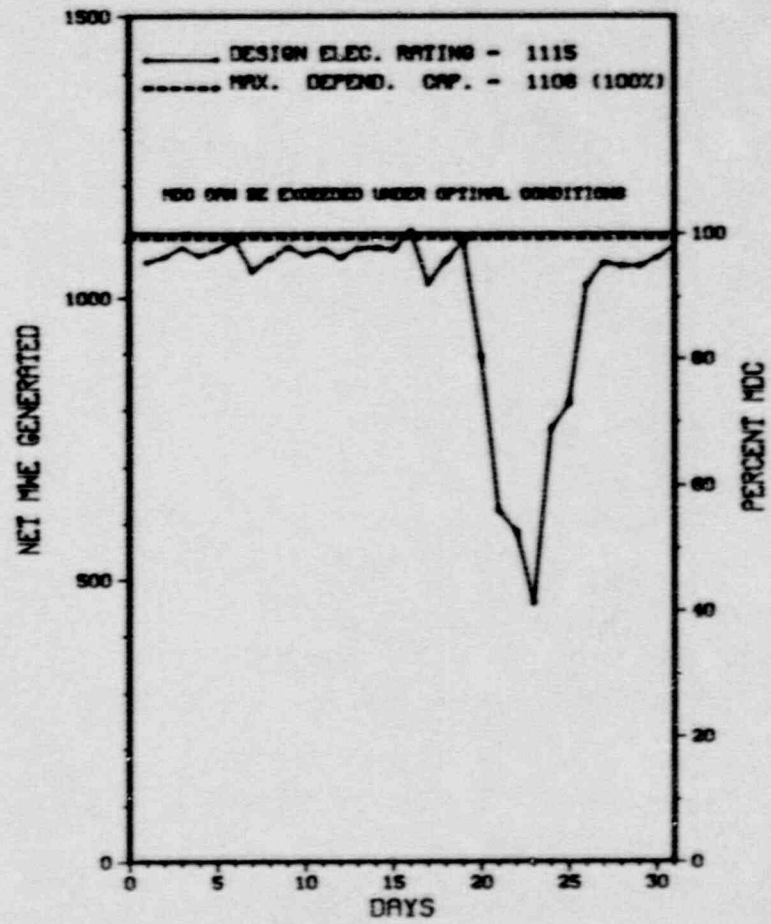
NONE

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

 * SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS - REDUCTIONS

 * SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0181	08/20/89	F	0.0	A	5		CH	XXXXXX	NO. 24 S.G. LEVEL
0182	08/20/89	F	0.0	A	5		WA	HTEXCH	NO. 21 SGFP COOLER LEAK (SERVICE WATER)
0183	08/21/89	F	0.0	A	5		CH	XXXXXX	NO. 21 SGFP CONTROLS
0184	08/21/89	F	0.0	A	5		CH	XXXXXX	NO. 21 SGFP CONTROLS
0185	08/22/89	F	0.0	B	5		CH	FILTER	BLOWDOWN NO. 21 AND NO. 22 SGFP STRAINERS
0186	08/24/89	F	0.0	A	5		CH	XXXXXX	NO. 21 SGFP CONTROLS
0187	08/25/89	F	0.0	A	5		CH	XXXXX	NO. 21 SGFP CONTROLS
0188	08/25/89	F	0.0	A	5		CH	XXXXXX	NO. 21 SGFP CONTROLS
0189	08/25/89	F	0.0	A	5		CH	XXXXXX	NO. 21 SGFP CONTROLS

 * SUMMARY *

 SALEM 2 INCURRED SEVERAL FORCED POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* SALEM 2 *

FACILITY DATA

Report Period AUG 1989

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 EMER 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.....J. STONE
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.

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

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: E. R. SIACDR (714) 368-6223

4. Licensed Thermal Power (Mwt): 1347

5. Nameplate Rating (Gross MWe): 456

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

10. Power Level To Which Restricted, If Any (Net MWe): 390

11. Reasons for Restrictions, If Any: STEAM GENERATOR TUBE CORROSION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>194,719.0</u>
13. Hours Reactor Critical	<u>694.8</u>	<u>1,221.0</u>	<u>111,510.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>690.8</u>	<u>1,104.7</u>	<u>107,338.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>780,852</u>	<u>1,095,818</u>	<u>134,750,447</u>
18. Gross Elec Ener (MWH)	<u>250,800</u>	<u>347,400</u>	<u>45,499,326</u>
19. Net Elec Ener (MWH)	<u>234,382</u>	<u>301,933</u>	<u>42,918,553</u>
20. Unit Service Factor	<u>92.8</u>	<u>18.9</u>	<u>55.1</u>
21. Unit Avail Factor	<u>92.8</u>	<u>18.9</u>	<u>55.1</u>
22. Unit Cap Factor (MDC Net)	<u>72.3</u>	<u>11.9</u>	<u>50.5</u>
23. Unit Cap Factor (DER Net)	<u>72.3</u>	<u>11.9</u>	<u>50.5</u>
24. Unit Forced Outage Rate	<u>7.2</u>	<u>53.5</u>	<u>20.1</u>
25. Forced Outage Hours	<u>53.2</u>	<u>1,270.2</u>	<u>14,410.6</u>

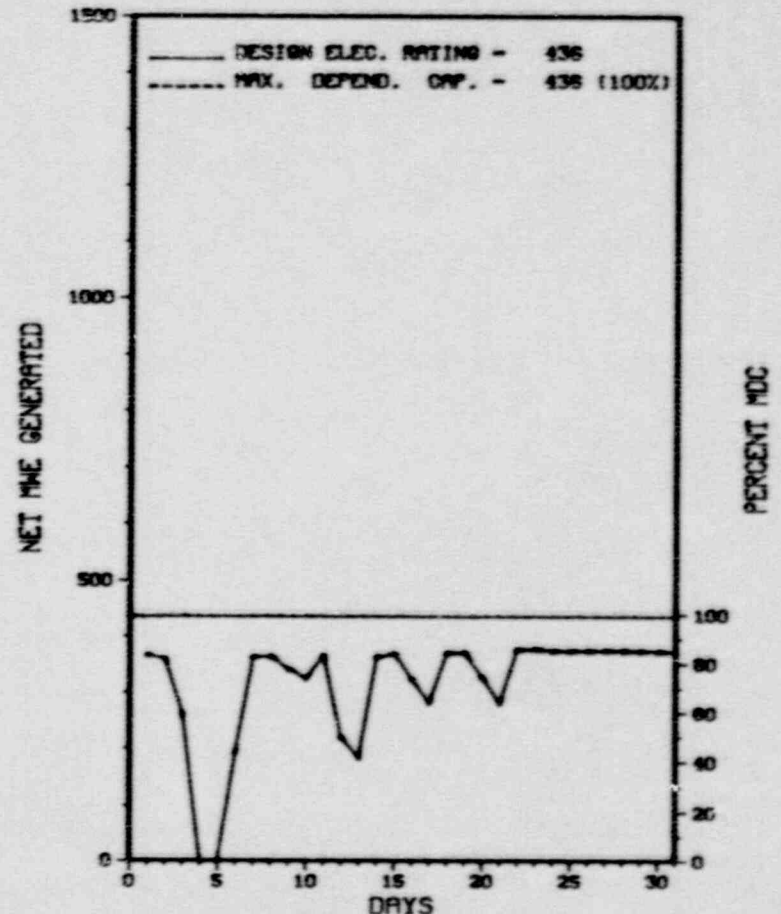
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
128	08/03/89	F	53.2	A	3	89-021	AB	FT/CBL	THE REACTOR AUTOMATICALLY TRIPPED FROM 91% POWER ON A LOW REACTOR COOLANT SYSTEM (RCS) FLOW IN ONE OF THE THREE RCS LOOPS. THE LOW FLOW SIGNAL WAS CAUSED BY A LOSS OF INSULATION RESISTANCE IN THE CABLING FOR THE FLOW TRANSMITTER. A MOIST FOREIGN SUBSTANCE FOUND TO HAVE INTRUDED INTO THE CABLING RESULTED IN INSULATION RESISTANCE DEGRADATION. THE CABLING WAS REPLACED AND THE FLOW INSTRUMENT WAS VERIFIED TO BE OPERATING PROPERLY. THE CABLING WILL BE PROVIDED WITH ADEQUATE PROTECTION TO PREVENT FOREIGN SUBSTANCE INTRUSION.
129	08/12/89	S	0.0	B	5		KE	COND	POWER REDUCTION OF 20% OR GREATER TO PERFORM CONDENSER WATER BOX CLEANING.

 * SUMMARY *

 SAN ONOFRE 1 INCURRED ONE FORCED OUTAGE AND ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE. THE UNIT OPERATED THE ENTIRE MONTH WITH A SELF IMPOSED POWER RESTRICTION OF 390 MWE.

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

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

Report Period AUG 1989

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 JUNE 6 - JULY 21, 1989 (REPORT NO. 50-206/89-16) AREAS INSPECTED: SPECIAL ANNOUNCED TEAM INSPECTION OF MAINTENANCE PROGRAM AND IMPLEMENTATION OF RELATED ACTIVITIES. THE INSPECTION TEAM UTILIZED NRC INSPECTION PROCEDURE TI-2515/97 AND RELATED PROCEDURES REFERENCED THEREIN. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 18 - JULY 29, 1989 (REPORT NO. 50-206/89-18) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF UNIT 1 OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION, SECURITY, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORTS, EVALUATION OF QA PROGRAM IMPLEMENTATION, ONSITE REVIEW COMMITTEE, NUCLEAR SAFETY GROUP REVIEW, MANAGEMENT SAFETY EVALUATION INVOLVEMENT, NONLICENSED STAFF TRAINING, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED, CONCERNING AN INADEQUATE PROCEDURE WHICH RESULTED IN TEMPORARY CABLES BEING ROUTED ACROSS REDUNDANT CLASS 1E 4KV CABLE TRAYS. THUS, APPROPRIATE TRAIN SEPARATION WAS NOT MAINTAINED.

+ INSPECTION ON OCTOBER 23-27, 1989 (REPORT NO. 50-206/89-20) INSPECTION TO BE CONDUCTED IN OCTOBER, 1989.

+ INSPECTION ON JUNE 26 - JULY 7, 1989 (REPORT NO. 50-206/89-21) AREAS INSPECTED: A ROUTINE UNANNOUNCED INSPECTION OF LICENSEE

INSPECTION SUMMARY

PERFORMANCE TO CLOSE OUT NRC OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON AUGUST 14 - 18, 1989 (REPORT NO. 50-206/89-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 30 - SEPTEMBER 2, 1989 (REPORT NO. 50-206/89-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 16 - 25, 1989 (REPORT NO. 50-206/89-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 28 - SEPTEMBER 1, 1989 (50-206/89-26) 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 UNIT WAS RESTARTED ON JUNE 28, 1989, AFTER COMPLETION OF REPAIRS TO STEAM GENERATOR LEVEL INSTRUMENTS WHICH RESULTED IN UNPLANNED AUXILIARY FEEDWATER ACTUATIONS.

LAST IE SITE INSPECTION DATE: 10/23 - 27/89

INSPECTION REPORT NO: 50-206/89-20

Report Period AUG 1989

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

* SAN ONDRE 1 *

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

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-361 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
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>744.0</u>	<u>5,831.0</u>	<u>53,184.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,520.9</u>	<u>38,599.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,491.0</u>	<u>37,916.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,500,054</u>	<u>14,890,074</u>	<u>123,346,359</u>
18. Gross Elec Ener (MWH)	<u>855,377</u>	<u>5,069,730</u>	<u>41,780,019</u>
19. Net Elec Ener (MWH)	<u>816,722</u>	<u>4,807,402</u>	<u>39,599,025</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.0</u>	<u>71.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.0</u>	<u>71.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>77.1</u>	<u>69.6</u>
23. Unit Cap Factor (DER Net)	<u>102.6</u>	<u>77.1</u>	<u>69.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>23.0</u>	<u>6.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,340.0</u>	<u>2,581.2</u>

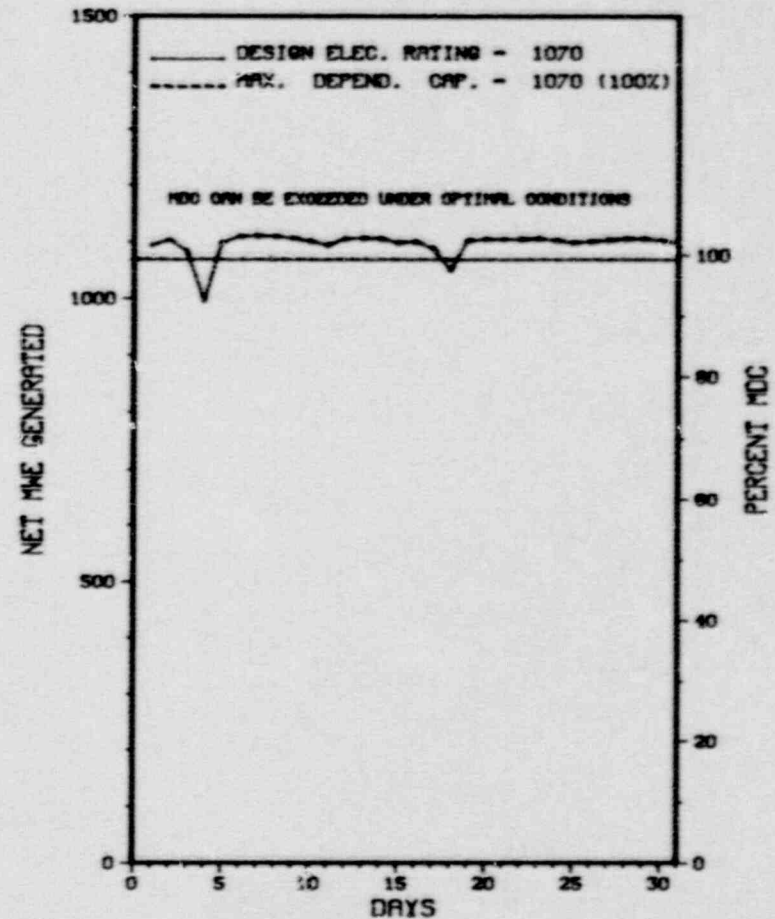
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - SEPT. 2, 1989 - 56 DAY DURATION

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SAN ONOFRE 2



AUGUST 1989

Report Period AUG 1989

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

* SAN ONOFRE 2 *

FACILITY DATA

Report Period AUG 1989

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.....L. KOKAJKO
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 JUNE 26 - JULY 21, 1989 (REPORT NO. 50-361/89-16) AREAS INSPECTED: SPECIAL ANNOUNCED TEAM INSPECTION OF MAINTENANCE PROGRAM AND IMPLEMENTATION OF RELATED ACTIVITIES. THE INSPECTION TEAM UTILIZED NRC INSPECTION PROCEDURE TI 2515/97 AND RELATED PROCEDURES REFERENCED THEREIN. A SPECIAL REVIEW OF EMERGENCY LIGHTING WAS ALSO INCLUDED. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. UNIT-2 FAILURE TO IMPLEMENT EQUIPMENT STATUS CONTROL (TAGGING) IN ACCORDANCE WITH PROCEDURES.

+ INSPECTION ON JUNE 18 - JULY 29, 1989 (REPORT NO. 50-361/89-18) AREAS INSPECTED: ROUTINE INSPECTION OF UNIT 2 OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION, SECURITY, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORTS, EVALUATION OF QA PROGRAM IMPLEMENTATION, ONSITE REVIEW COMMITTEE, NUCLEAR SAFETY GROUP REVIEW, MANAGEMENT SAFETY EVALUATION INVOLVEMENT, NONLICENSED STAFF TRAINING, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. ONE VIOLATION, APPLICABLE TO UNIT 2, CONCERNED INATTENTION TO DETAIL BY OPERATIONS PERSONNEL WHICH RESULTED IN A ATMOSPHERIC DUMP VALVE (ADV) BEING INOPERABLE.

+ INSPECTION ON OCTOBER 23 - 27, 1989 (REPORT NO. 50-361/89-20) INSPECTION TO BE CONDUCTED IN OCTOBER, 1989.

Report Period AUG 1989

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

* SAN ONOFRE 2 *

INSPECTION SUMMARY

+ INSPECTION ON JUNE 26 - JULY 28, 1989 (REPORT NO. 50-361/89-21) AREAS INSPECTED: A ROUTINE UNANNOUNCED INSPECTION OF LICENSEE PERFORMANCE TO CLOSE OUT NRC OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 14 - 18, 1989 (REPORT NO. 50-361/89-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 30 - SEPTEMBER 2, 1989 (REPORT NO. 50-361/89-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 16 - 25, 1989 (REPORT NO. 50-361/89-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 28 - SEPTEMBER 1, 1989 (REPORT NO. 50-361/89-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

THE LICENSEE MONITORED A STEAM GENERATOR TUBE LEAK WHICH SUDDENLY DEVELOPED ON MAY 10. THE LEAK RATE JUMPED RAPIDLY FROM 80 GPD TO 117 GPD ON MAY 13 AND THE REACTOR WAS SHUT DOWN TO FACILITATE REPAIRS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT RESTARTED ON JUNE 7, AFTER COMPLETION OF REPAIRS FROM A STEAM GENERATOR TUBE RUPTURE. THE UNIT IS OPERATING AT 100% POWER.

LAST IE SITE INSPECTION DATE: 10/23 - 27/89

INSPECTION REPORT NO: 50-361/89-20

Report Period AUG 1989

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

* SAN ONOFRE 2 *

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

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-362 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

11. Reasons for Restrictions, If Any:
NONE

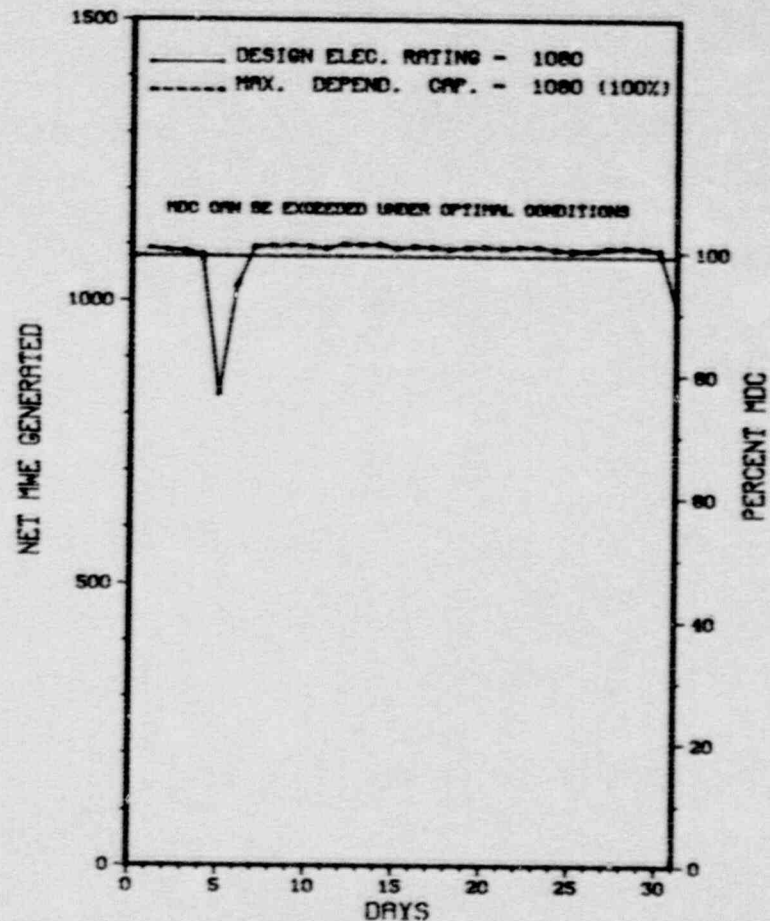
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>47,495.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,322.6</u>	<u>34,975.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,297.0</u>	<u>33,886.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,480,029</u>	<u>17,535,329</u>	<u>105,913,473</u>
18. Gross Elec Ener (MWH)	<u>845,036</u>	<u>5,988,189</u>	<u>35,956,271</u>
19. Net Elec Ener (MWH)	<u>804,705</u>	<u>5,678,910</u>	<u>33,898,384</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.8</u>	<u>71.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.8</u>	<u>71.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>90.2</u>	<u>66.1</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>90.2</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.2</u>	<u>8.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>534.0</u>	<u>3,303.4</u>

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

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

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
50	08/05/89	S	0.0	B	5		KE	COND	POWER REDUCTION OF 20% OR GREATER TO PERFORM HEAT TREATING OPERATIONS AND CONDENSER WATER BOX CLEANING.

* SUMMARY *

SAN ONOFRE 3 INCURRED ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* SAN ONOFRE 3 *

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

Report Period AUG 1989

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.....L. KOKAJKO
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 JUNE 26 - JULY 21, 1989 (REPORT NO. 50-362/89-16) AREAS INSPECTED: SPECIAL ANNOUNCED TEAM INSPECTION OF MAINTENANCE PROGRAM AND IMPLEMENTATION OF RELATED ACTIVITIES. THE INSPECTION TEAM UTILIZED NRC INSPECTION PROCEDURE T1-2515/97 AND RELATED PROCEDURES REFERENCED THEREIN. A SPECIAL REVIEW EMERGENCY LIGHTING WAS ALSO INCLUDED. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. UNIT-3 LPSI PUMP SEAL LEAKAGE DRAIN PIPING WAS NOT INSTALLED AS INDICATED IN THE UFSAR.

+ INSPECTION ON JUNE 18 - JULY 29, 1989 (REPORT NO. 50-362/89-18) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF UNIT 3 OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION, SECURITY, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORTS, EVALUATION OF QA PROGRAM IMPLEMENTATION, ONSITE REVIEW COMMITTEE, NUCLEAR SAFETY GROUP REVIEW, MANAGEMENT SAFETY EVALUATION INVOLVEMENT, NONLICENSED STAFF TRAINING, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 23 - 27, 1989 (REPORT NO. 50-362/89-20) INSPECTION TO BE CONDUCTED IN OCTOBER, 1989.

1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (MWh): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>71,616.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,782.3</u>	<u>30,606.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,756.7</u>	<u>29,910.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,532,690</u>	<u>19,311,881</u>	<u>96,888,767</u>
18. Gross Elec Ener (MWH)	<u>862,310</u>	<u>6,632,440</u>	<u>32,769,716</u>
19. Net Elec Ener (MWH)	<u>833,483</u>	<u>6,405,327</u>	<u>31,326,755</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.7</u>	<u>41.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.7</u>	<u>41.8</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>95.7</u>	<u>38.1</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>95.7</u>	<u>38.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>52.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>74.3</u>	<u>32,368.2</u>

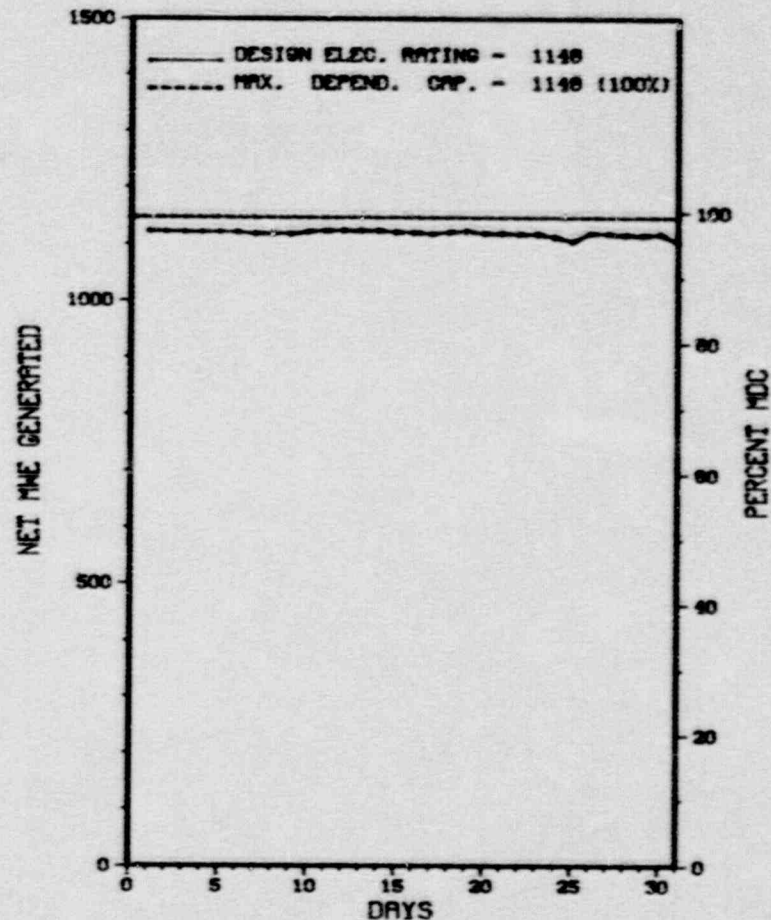
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

ICE CONDENSER - OCT 15, 1989 - 12 DAY DURATION.

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

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

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

NONE

* SUMMARY *

SEQUOYAH 1 OPERATED ROUTINELY DURING AUGUST 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)

* SEQUOYAH 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 5, 1980
DATE ELEC ENER 1ST GENER...JULY 22, 1980
DATE COMMERCIAL OPERATE...JULY 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....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.....J. DONOHEW
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 JUNE 26-30 (89-11): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION PROGRAM FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS AND IE INFORMATION NOTICES. BASED ON INTERVIEWS WITH LICENSEE MANAGEMENT, SUPERVISOR AND PERSONNEL FROM STATION DEPARTMENTS, AND RECORDS REVIEW, THE INSPECTOR FOUND THAT THE RADIATION PROTECTION PROGRAM WAS GENERALLY ADEQUATE. HOWEVER, ONE VIOLATION WAS IDENTIFIED: (1) FAILURE TO ADEQUATELY TRAIN PERSONNEL IN USE OF RADIATION PROTECTION EQUIPMENT AND FAILURE TO EVACUATE AN AREA WHEN A RADIATION MONITOR ALARMED AS REQUIRED BY RADIOLOGICAL CONTROL INSTRUCTIONS.

INSPECTION MAY 22-26 (89-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM FOR POWER REACTORS. SPECIFICALLY, THE INSPECTOR REVIEWED PROTECTED AREA ALARMS, ASSESSMENT AIDS, ACCESS CONTROLS, TRAINING, ALARM STATIONS, POWER SUPPLIES, TRAINING AND CONTINGENCY. ADDITIONALLY, INSPECTOR FOLLOWUP ITEM NO. 88-32-01 WAS REVIEWED (BUT NOT CLOSED), NRC NOTICE NO. 89-05 WAS CLOSED, AND GENERIC LETTER NO. 89-07 WAS REVIEWED (BUT NOT CLOSED). IN THE AREAS INSPECTED, VIOLATIONS WERE IDENTIFIED AS FOLLOWS: INADEQUATE METAL DETECTOR TEST SOURCE; INADEQUATE TAMPER INDICATION (NON-CITED VIOLATION); AND INADEQUATE FENCE GATE LOCKS (NON-CITED VIOLATION).

INSPECTION JUNE 6 - JULY 5 (89-18): THIS ANNOUNCED INSPECTION INVOLVED INSPECTION EFFORT BY THE RESIDENT INSPECTORS IN THE AREA OF OPERATIONAL SAFETY VERIFICATION INCLUDING CONTROL ROOM OBSERVATIONS, OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS, AND HOUSEKEEPING INSPECTIONS. OTHER AREAS INSPECTED INCLUDED MAINTENANCE OBSERVATIONS, SURVEILLANCE TESTING OBSERVATIONS, REVIEW OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF EVENTS, REVIEW OF LICENSEE IDENTIFIED ITEMS, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, AND SURVEILLANCE OBSERVATION APPEARED TO

INSPECTION SUMMARY

BE ADEQUATE AND THE LICENSEE WAS FULLY CAPABLE OF SUPPORTING CURRENT PLANT OPERATIONS. OPERATORS WERE NOT AGGRESSIVE IN RESOLVING CONTINUOUSLY ALARMED INDICATIONS. MAINTENANCE ACTIVITIES AT THE CRAFT AND FIRST LINE SUPERVISOR LEVEL CONTINUED TO IMPROVE. WEAKNESSES WERE IDENTIFIED IN SITE SECURITY PRACTICES. MAINTENANCE DEPARTMENT, SITE LICENSING, SITE SECURITY, AND SITE WORK CONTROL MANAGEMENT WERE QUICK TO RESPOND AND CORRECT WEAKNESSES WHICH WERE IDENTIFIED TO THEM. OPERATIONS MANAGEMENT WAS SLOW TO RESPOND TO PLANT CONDITIONS IN TWO INSTANCES RELATED TO ICE CONDENSER TEMPERATURE MONITORING AND COLD LEG ACCUMULATOR LEVEL INDICATION AND IN ONE OF THE INSTANCES RESPONDED IN A NONCONSERVATIVE FASHION. THREE VIOLATIONS, ONE INSPECTOR FOLLOWUP ITEM, FOUR UNRESOLVED ITEMS, AND TWO NON-CITED VIOLATIONS WERE IDENTIFIED. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 17-20 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS THE OBSERVATION AND EVALUATION OF THE ANNUAL EMERGENCY EXERCISE. SELECTED STAFFING AND RESPONSE OF THE EMERGENCY ORGANIZATIONS IN THE CONTROL ROOM, TECHNICAL SUPPORT CENTER, AND OPERATIONAL SUPPORT CENTER WAS OBSERVED. THE INSPECTION ALSO INCLUDED A REVIEW OF THE EXERCISE OBJECTIVES AND SCENARIO, AS WELL AS OBSERVATION OF THE LICENSEE'S CRITIQUE TO MANAGEMENT. IN THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. BASED UPON THE SCENARIO USED, THE LICENSEE'S PERFORMANCE WAS SATISFACTORY TO DETERMINE THAT THEY COULD IMPLEMENT THEIR EMERGENCY PLAN AND PROCEDURES TO ADEQUATELY PROVIDE FOR THE HEALTH AND SAFETY OF THE PUBLIC AND PLANT PERSONNEL. NO EXERCISE WEAKNESSES WERE IDENTIFIED, HOWEVER, INSPECTOR FOLLOWUP WILL EXAMINE THE TIME REQUIRED TO ACTIVATE THE EMERGENCY FACILITIES, CONTROL OF SCENARIO DATA, INFORMING ONSITE PERSONNEL OF ACCIDENT STATUS, AND MAKING PROTECTIVE ACTION RECOMMENDATIONS ACCORDING TO PROCEDURES.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 19.12, TS 6.8.1 AND THE RADIOLOGICAL CONTROL INSTRUCTION, RCI-1, RADIOLOGICAL CONTROL PROGRAM, REV. 36, DATED AUGUST 13, 1988, SECTION 4.15, THE LICENSEE FAILED TO INSTRUCT WORKERS IN THE USE AND OPERATION OF A RADIATION MONITOR (LUDLUM-300) IN THAT ON FEBRUARY 2, 1989, TWO AUXILIARY UNIT OPERATORS WERE WORKING IN A PIPE CHASE ON UNIT 2. ELEVATION 690 AND THE RADIATION MONITOR ALARMED. THE TWO AUXILIARY UNIT OPERATORS CONTINUED TO WORK IN THE AREA AND DID NOT EVACUATE OR CONTACT RADCON IMMEDIATELY. CONTRARY TO TS 6.8.1 AND IMI-134, CONFIGURATION CONTROL OF INSTRUMENT MAINTENANCE ACTIVITIES, THE CONFIGURATION OF RM 90-404 WITH RESPECT TO THE DETECTOR CABLE WAS NOT CORRECTLY CONTROLLED AS REQUIRED BY IMI-134 IN THAT CONFIGURATION CHANGES HAD BEEN MADE WITHOUT INITIATING THE CHANGES ON THE IMI-134 DATA SHEET. INADEQUATE METAL DETECTOR TEST SOURCE CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, DURING THE PERIOD OF JUNE 25 TO JUNE 29, 1989, SEQUOYAH PLANT MANAGEMENT FAILED TO TAKE ADEQUATE CORRECTIVE ACTION TO RESOLVE PROBLEMS WITH CONTROL ROOM ICE BED TEMPERATURE MONITOR OPERABILITY. CONTRARY TO 10 CFR 50.59, THE LICENSEE FAILED TO PERFORM A 50.59 REVIEW PRIOR TO THE IMPLEMENTATION OF A TEMPORARY MODIFICATION ON THE CONTROL ROOM ICE BED MONITOR. CONTRARY TO TS 3.6.5.2, FROM MAY 4, 1989 TO JUNE 29, 1989, UNIT 2 OPERATED AT 100% POWER WITHOUT AN OPERABLE ICE BED TEMPERATURE MONITOR/RECORDER IN THE CONTROL ROOM AND FAILED TO DETERMINE ICE BED TEMPERATURE AT THE LOCAL ICE CONDENSER TEMPERATURE MONITORING PANEL.
SEQUOYAH 1 (8901 4)

CONTRARY TO TS 6.8.1, THE LICENSEE FAILED TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES FOR POWER OPERATION TO MAINTAIN THERMAL POWER WITHIN LICENSE LIMITS DURING STEADY STATE OPERATION.
SEQUOYAH 1 (8901 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACTILITY ITEMS (PLANS AND PROCEDURES):

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

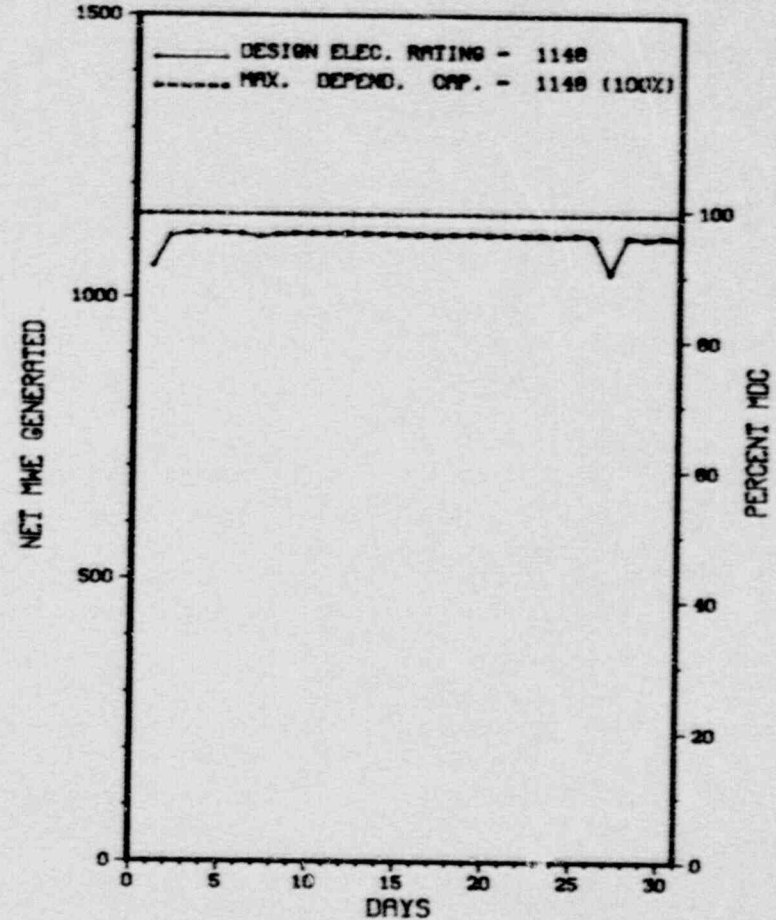
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>63,576.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,537.7</u>	<u>30,724.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,365.2</u>	<u>29,957.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,532,338</u>	<u>10,247,382</u>	<u>91,972,475</u>
18. Gross Elec Ener (MWH)	<u>855,310</u>	<u>3,475,830</u>	<u>31,164,550</u>
19. Net Elec Ener (MWH)	<u>825,041</u>	<u>3,314,264</u>	<u>29,705,361</u>
20. Unit Service Factor	<u>100.0</u>	<u>57.7</u>	<u>47.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>57.7</u>	<u>47.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.6</u>	<u>49.5</u>	<u>40.7</u>
23. Unit Cap Factor (DER Net)	<u>96.6</u>	<u>49.5</u>	<u>40.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.8</u>	<u>47.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>408.1</u>	<u>26,736.2</u>

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

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

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



AUGUST 1988

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

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

NONE

* SUMMARY *

SEQUOYAH 2 OPERATED ROUTINELY DURING AUGUST WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

* SEQUOYAH 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...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
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.....J. DONOHEW
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 JUNE 26-30 (89-11): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION PROGRAM FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS AND IE INFORMATION NOTICES. BASED ON INTERVIEWS WITH LICENSEE MANAGEMENT, SUPERVISOR AND PERSONNEL FROM STATION DEPARTMENTS, AND RECORDS REVIEW, THE INSPECTOR FOUND THAT THE RADIATION PROTECTION PROGRAM WAS GENERALLY ADEQUATE. HOWEVER, ONE VIOLATION WAS IDENTIFIED: (1) FAILURE TO ADEQUATELY TRAIN PERSONNEL IN USE OF RADIATION PROTECTION EQUIPMENT AND FAILURE TO EVACUATE AN AREA WHEN A RADIATION MONITOR ALARMED AS REQUIRED BY RADIOLOGICAL CONTROL INSTRUCTIONS.

INSPECTION MAY 22-26 (89-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE LICENSEE'S PHYSICAL SECURITY PROGRAM FOR POWER REACTORS. SPECIFICALLY, THE INSPECTOR REVIEWED PROTECTED AREA ALARMS, ASSESSMENT AIDS, ACCESS CONTROLS, TRAINING, ALARM STATIONS, POWER SUPPLIES, TRAINING AND CONTINGENCY. ADDITIONALLY, INSPECTOR FOLLOWUP ITEM NO. 88-32-01 WAS REVIEWED (BUT NOT CLOSED), NRC NOTICE NO. 89-05 WAS CLOSED, AND GENERIC LETTER NO. 89-07 WAS REVIEWED (BUT NOT CLOSED). IN THE AREAS INSPECTED, VIOLATIONS WERE IDENTIFIED AS FOLLOWS: INADEQUATE METAL DETECTOR TEST SOURCE; INADEQUATE TAMPER INDICATION (NON-CITED VIOLATION); AND INADEQUATE FENCE GATE LOCKS (NON-CITED VIOLATION).

INSPECTION JUNE 6 - JULY 5 (89-18): THIS ANNOUNCED INSPECTION INVOLVED INSPECTION EFFORT BY THE RESIDENT INSPECTORS IN THE AREA OF OPERATIONAL SAFETY VERIFICATION INCLUDING CONTROL ROOM OBSERVATIONS, OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS, AND HOUSEKEEPING INSPECTIONS. OTHER AREAS INSPECTED INCLUDED MAINTENANCE OBSERVATIONS, SURVEILLANCE TESTING OBSERVATIONS, REVIEW OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF EVENTS, REVIEW OF LICENSEE IDENTIFIED ITEMS, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, AND SURVEILLANCE OBSERVATION APPEARED TO

INSPECTION SUMMARY

BE ADEQUATE AND THE LICENSEE WAS FULLY CAPABLE OF SUPPORTING CURRENT PLANT OPERATIONS. OPERATORS WERE NOT AGGRESSIVE IN RESOLVING CONTINUOUSLY ALARMED INDICATIONS. MAINTENANCE ACTIVITIES AT THE CRAFT AND FIRST LINE SUPERVISOR LEVEL CONTINUED TO IMPROVE. WEAKNESSES WERE IDENTIFIED IN SITE SECURITY PRACTICES. MAINTENANCE DEPARTMENT, SITE LICENSING, SITE SECURITY, AND SITE WORK CONTROL MANAGEMENT WERE QUICK TO RESPOND AND CORRECT WEAKNESSES WHICH WERE IDENTIFIED TO THEM. OPERATIONS MANAGEMENT WAS SLOW TO RESPOND TO PLANT CONDITIONS IN TWO INSTANCES RELATED TO ICE CONDENSER TEMPERATURE MONITORING AND COLD LEG ACCUMULATOR LEVEL INDICATION AND IN ONE OF THE INSTANCES RESPONDED IN A NONCONSERVATIVE FASHION. THREE VIOLATIONS, ONE INSPECTOR FOLLOWUP ITEM, FOUR UNRESOLVED ITEMS, AND TWO NON-CITED VIOLATIONS WERE IDENTIFIED. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 17-20 (89-20): THIS ROUTINE, ANNOUNCED INSPECTION WAS THE OBSERVATION AND EVALUATION OF THE ANNUAL EMERGENCY EXERCISE. SELECTED STAFFING AND RESPONSE OF THE EMERGENCY ORGANIZATIONS IN THE CONTROL ROOM, TECHNICAL SUPPORT CENTER, AND OPERATIONAL SUPPORT CENTER WAS OBSERVED. THE INSPECTION ALSO INCLUDED A REVIEW OF THE EXERCISE OBJECTIVES AND SCENARIO, AS WELL AS OBSERVATION OF THE LICENSEE'S CRITIQUE TO MANAGEMENT. IN THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. BASED UPON THE SCENARIO USED, THE LICENSEE'S PERFORMANCE WAS SATISFACTORY TO DETERMINE THAT THEY COULD IMPLEMENT THEIR EMERGENCY PLAN AND PROCEDURES TO ADEQUATELY PROVIDE FOR THE HEALTH AND SAFETY OF THE PUBLIC AND PLANT PERSONNEL. NO EXERCISE WEAKNESSES WERE IDENTIFIED, HOWEVER, INSPECTOR FOLLOWUP WILL EXAMINE THE TIME REQUIRED TO ACTIVATE THE EMERGENCY FACILITIES, CONTROL OF SCENARIO DATA, INFORMING ONSITE PERSONNEL OF ACCIDENT STATUS, AND MAKING PROTECTIVE ACTION RECOMMENDATIONS ACCORDING TO PROCEDURES.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 19.12, TS 6.8.1 AND THE RADIOLOGICAL CONTROL INSTRUCTION, RCI-1, RADIOLOGICAL CONTROL PROGRAM, REV. 36, DATED AUGUST 13, 1988, SECTION 4.15, THE LICENSEE FAILED TO INSTRUCT WORKERS IN THE USE AND OPERATION OF A RADIATION MONITOR (LUDLUM-300) IN THAT ON FEBRUARY 2, 1989, TWO AUXILIARY UNIT OPERATORS WERE WORKING IN A PIPE CHASE ON UNIT 2, ELEVATION 690 AND THE RADIATION MONITOR ALARMED. THE TWO AUXILIARY UNIT OPERATORS CONTINUED TO WORK IN THE AREA AND DID NOT EVACUATE OR CONTACT RADCON IMMEDIATELY. CONTRARY TO TS 6.8.1 AND IMI-134, CONFIGURATION CONTROL OF INSTRUMENT MAINTENANCE ACTIVITIES, THE CONFIGURATION OF RM 90-404 WITH RESPECT TO THE DETECTOR CABLE WAS NOT CORRECTLY CONTROLLED AS REQUIRED BY IMI-134 IN THAT CONFIGURATION CHANGES HAD BEEN MADE WITHOUT INITIATING THE CHANGES ON THE IMI-134 DATA SHEET. INADEQUATE METAL DETECTOR TEST SOURCE CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, DURING THE PERIOD OF JUNE 25 TO JUNE 29, 1989, SEQUOYAH PLANT MANAGEMENT FAILED TO TAKE ADEQUATE CORRECTIVE ACTION TO RESOLVE PROBLEMS WITH CONTROL ROOM ICE BED TEMPERATURE MONITOR OPERABILITY. CONTRARY TO 10 CFR 50.59, THE LICENSEE FAILED TO PERFORM A 50.59 REVIEW PRIOR TO THE IMPLEMENTATION OF A TEMPORARY MODIFICATION ON THE CONTROL ROOM ICE BED MONITOR. CONTRARY TO TS 3.6.5.2, FROM MAY 4, 1989 TO JUNE 29, 1989, UNIT 2 OPERATED AT 100% POWER WITHOUT AN OPERABLE ICE BED TEMPERATURE MONITOR/RECORDER IN THE CONTROL ROOM AND FAILED TO DETERMINE ICE BED TEMPERATURE AT THE LOCAL ICE CONDENSER TEMPERATURE MONITORING PANEL.
 SEQUOYAH 2 (8901 4)

CONTRARY TO TS 6.8.1, THE LICENSEE FAILED TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES FOR POWER OPERATION TO MAINTAIN THERMAL POWER WITHIN LICENSE LIMITS DURING STEADY STATE OPERATION.
 SEQUOYAH 2 (8901 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* SEQUOYAH 2 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 1.

LAST IE SITE INSPECTION DATE: SEPTEMBER 9, 1989 +

INSPECTION REPORT NO: 50-328/89-21 +

REPORTS FROM LICENSEE

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

NONE.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-498 O P E R A T I N G S T A T U S
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: A.P. KENT (512) 972-7786
 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>744.0</u>	<u>5,831.0</u>	<u>8,928.0</u>
13. Hours Reactor Critical	<u>97.8</u>	<u>4,094.4</u>	<u>6,591.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>96.3</u>	<u>4,021.4</u>	<u>6,427.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>313,757</u>	<u>14,590,404</u>	<u>23,395,850</u>
18. Gross Elec Ener (MWH)	<u>106,730</u>	<u>4,963,740</u>	<u>7,955,970</u>
19. Net Elec Ener (MWH)	<u>91,207</u>	<u>4,625,550</u>	<u>7,417,042</u>
20. Unit Service Factor	<u>12.9</u>	<u>69.0</u>	<u>72.0</u>
21. Unit Avail Factor	<u>12.9</u>	<u>69.0</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>9.8</u>	<u>63.5</u>	<u>66.5</u>
23. Unit Cap Factor (DER Net)	<u>9.8</u>	<u>63.5</u>	<u>66.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.2</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>221.2</u>	<u>526.7</u>

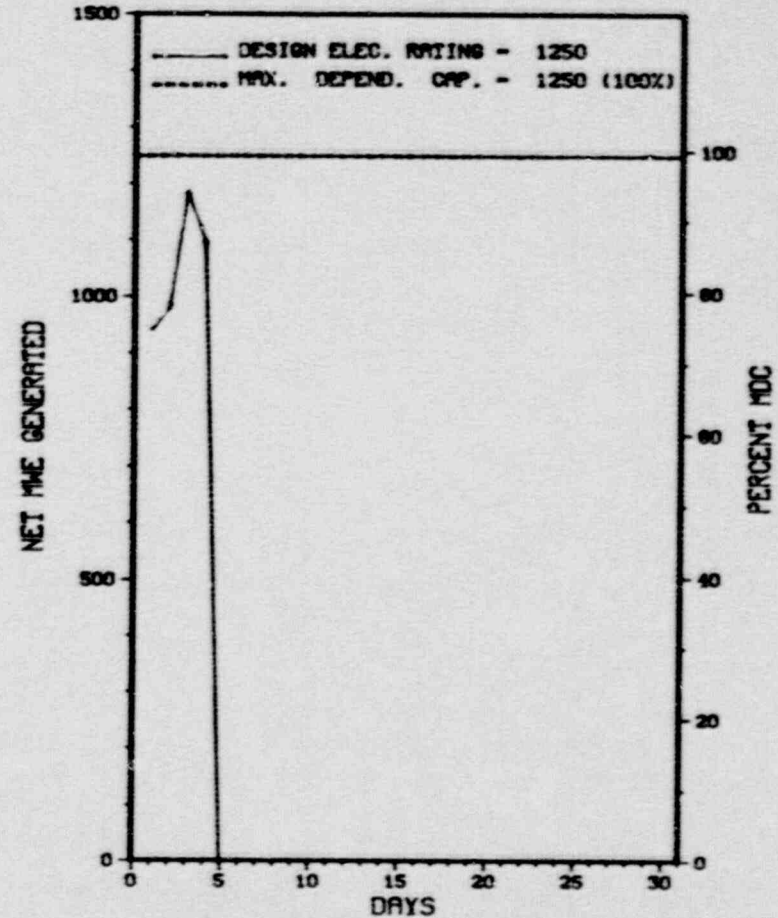
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): _____

NONE

27. If Currently Shutdown Estimated Startup Date: 09/28/89

 * SOUTH TEXAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SOUTH TEXAS 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SOUTH TEXAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-09	07/29/89	F	0.0	A	5		SJ	P	REACTOR POWER REDUCED DUE TO SEAL FAILURE ON A MOTOR DRIVEN FEED PUMP. THE PUMP WAS REPAIRED.
89-10	08/05/89	S	647.7	C	1				MANUAL SHUTDOWN FOR REFUELING AND SCHEDULE MAINTENANCE.

 * SUMMARY *

 SOUTH TEXAS 1 ENTERED AUGUST AT 80% POWER. ON AUGUST 5 THE UNIT WAS SHUTDOWN FOR SCHEDULED REFUELING AND MAINTENANCE OUTAGE. THE UNIT REMAINED SHUTDOWN AT MONTHS END.

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

* SOUTH TEXAS 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....TEXAS

COUNTY.....MATAGORDA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SSW 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...AUGUST 25, 1988

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...RESERVOIR

ELECTRIC RELIABILITY
CCJNCIL.....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.....J. BESS

LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-498

LICENSE & DATE ISSUANCE...NPF-76, MARCH 22, 1988

PUBLIC DOCUMENT ROOM.....J.M. HODGES LEARNING CENTER
WHARTON COUNTY JUNIOR COLLEGE
911 BOLING HIGHWAY
WHARTON, TX 77488

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 7-30, 1989 (89-15) ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS, OPERATIONS PROCEDURES, AND TWO AMENDMENTS TO THE TECHNICAL SPECIFICATIONS. WITHIN THE THREE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (INADEQUATE ABNORMAL OPERATING PROCEDURES, PARAGRAPH 3.4.6). THE OVERALL PROGRAM REGARDING SAFETY-RELATED PROCEDURES AT STP APPEARED TO BE ACCEPTABLE; HOWEVER, IN THE AREA OF ABNORMAL (ANNUNCIATOR AND OFF-NORMAL) PROCEDURES, THE LACK OF ADEQUATE PROCEDURES WAS IDENTIFIED (SCOPE AND CONTENT). THE LICENSEE WAS DEPENDING HEAVILY ON THE LICENSED OPERATOR'S BASIC KNOWLEDGE LEVEL IN ORDER TO RESPOND TO ABNORMAL PLANT TRANSIENTS. THE LICENSEE APPARENTLY HAD NOT FULLY ASSESSED THE PROCEDURES FOR ABNORMAL PLANT TRANSIENTS AT STP.

INSPECTION CONDUCTED JUNE 1-30, 1989 (89-17) ROUTINE, UNANNOUNCED INSPECTION OF PLANT STATUS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATIONS, POWER ASCENSION TEST, MONTHLY SURVEILLANCE OBSERVATIONS, AND STARTUP TEST WITNESSING AND OBSERVATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED REGARDING FIRE WATCHES (SEE PARAGRAPH 3). WEAKNESSES WERE NOTED IN THE LICENSEE'S PIPING AND INSTRUMENT DIAGRAMS (P&IDS) OF THE UNIT 1 STANDBY DIESEL GENERATOR (DG) SUPPORT SYSTEMS. THE P&IDS DID NOT CORRECTLY REFLECT THE AS-BUILT CONFIGURATION OF THE SUPPORT SYSTEMS. OTHER UNIT 1 DG SUPPORT SYSTEM WEAKNESSES INCLUDED IDENTIFICATION TAGS MISSING FROM COMPONENTS, VALVES MISSING FROM THE OPERATING PROCEDURES AND P&IDS, AND VALVE POSITIONS DIFFERENT BETWEEN P&ID AND OPERATING PROCEDURES (SEE PARAGRAPH 5). LICENSEE STRENGTHS WERE THAT ALL UNIT 1 DG SUPPORT SYSTEM VALVES AND POWER SUPPLIES WERE IN THEIR CORRECT POSITION TO SUPPORT DG OPERATION DESPITE THE PROCEDURE/P&ID WEAKNESSES AND THE FACT THAT THE LICENSEE HAD PREVIOUSLY IDENTIFIED THE DEFICIENCIES AND IMPLEMENTED A PROGRAM TO CORRECT THEM. ALSO, MAINTENANCE AND SURVEILLANCE ACTIVITIES WERE OBSERVED TO BE PERFORMED CAREFULLY AND IN ACCORDANCE

Report Period AUG 1989

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

* SOUTH TEXAS 1 *

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

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-499 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: A.P KENT (512) 972-7786

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>744.0</u>	<u>1,776.0</u>	<u>1,776.0</u>
13. Hours Reactor Critical	<u>711.5</u>	<u>1,624.8</u>	<u>1,624.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>646.7</u>	<u>1,544.1</u>	<u>1,544.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,794,876</u>	<u>4,792,382</u>	<u>4,792,382</u>
18. Gross Elec Ener (MWH)	<u>600,430</u>	<u>1,616,130</u>	<u>1,616,130</u>
19. Net Elec Ener (MWH)	<u>559,291</u>	<u>1,522,943</u>	<u>1,522,943</u>
20. Unit Service Factor	<u>86.9</u>	<u>86.9</u>	<u>86.9</u>
21. Unit Avail Factor	<u>86.9</u>	<u>86.9</u>	<u>86.9</u>
22. Unit Cap Factor (MDC Net)	<u>60.1</u>	<u>68.6</u>	<u>68.6</u>
23. Unit Cap Factor (DER Net)	<u>60.1</u>	<u>68.6</u>	<u>68.6</u>
24. Unit Forced Outage Rate	<u>6.1</u>	<u>10.3</u>	<u>10.3</u>
25. Forced Outage Hours	<u>42.2</u>	<u>176.8</u>	<u>176.8</u>

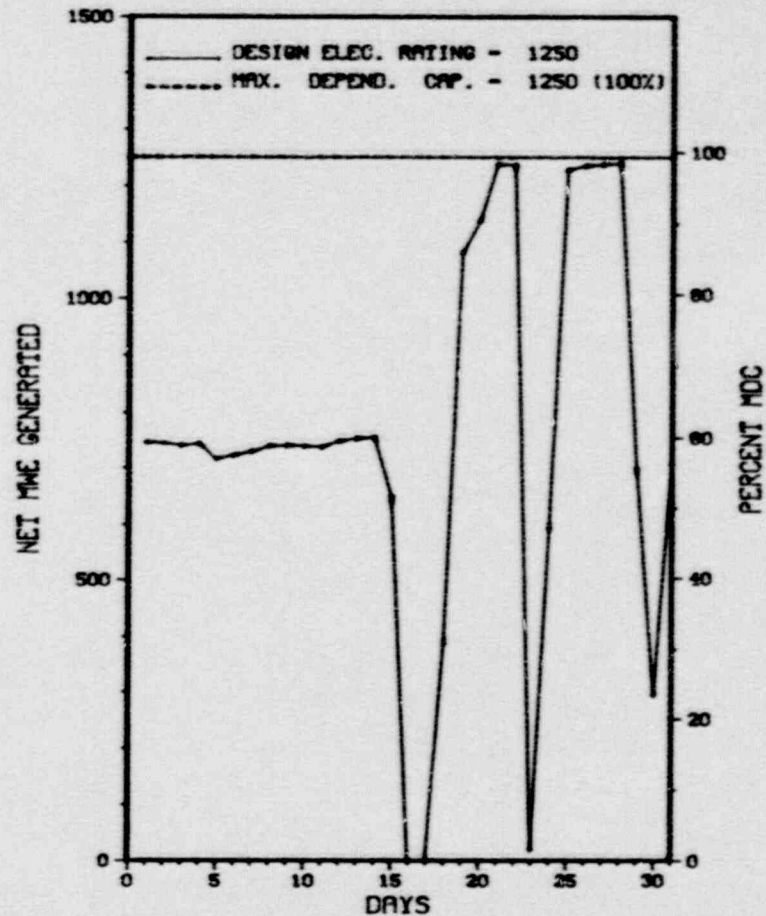
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): _____

INSTR. INSP - NOV 4, 1989 - 18 DAY DURATION.

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

* SOUTH TEXAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SOUTH TEXAS 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SOUTH TEXAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-02	07/19/89	F	0.0	A	5		EL	XFMR	REACTOR POWER REDUCED DUE TO THE LOSS OF MAIN TRANSFORMER 2A. TRANSFORMER WILL BE REPLACED.
89-03	08/15/89	S	55.1	B	9		EL	XFMR	GENERATOR WAS TAKEN OFF LINE TO INSTALL REPLACEMENT FOR MAIN TRANSFORMER 2A.
89-04	08/23/89	F	27.2	A	3	2-89-019	SJ	ZIS	REACTOR/TURBINE TRIP OCCURRED DUE TO CLOSURE OF TRAIN "C" FEEDWATER ISOLATION VALVE WHILE PERFORMING A FEEDWATER SYSTEM VALVE OPERABILITY TEST. FAILURE OCCURRED WHEN A SOLENOID OPERATED ISOLATION VALVE FAILED TO IMMEDIATELY ENERGIZE WHEN THE "INTLK SAT/VALVE TEST" BUTTON WAS RELEASED. REASON FOR FAILURE IS UNKNOWN AT THIS TIME.
89-05	08/29/89	F	15.0	A	2	2-89-020	JK	INVT	REACTOR/TURBINE TRIP OCCURRED WHEN THE CONTROL ROOM MANUALLY TRIPPED THE UNIT IN ANTICIPATION OF AN AUTOMATIC TRIP ON STEAM GENERATOR LOW LOW LEVEL DUE TO THE TRIP OF ALL THREE TURBINE DRIVEN FEEDWATER PUMPS. CAUSE WAS LOSS OF POWER SUPPLY TO THE FEEDWATER PUMPS OVERSPEED TRIP CIRCUITS. THE OVERSPEED TRIP CIRCUITS REACT AS IF A REAL OVERSPEED HAD OCCURRED ON LOSS OF POWER. THE POWER LOSS WAS A RESULT OF A FAILED CONTROLLER CARD IN AN INVERTER POWER SUPPLY.

 * SUMMARY *

 SOUTH TEXAS 2 ENTERED AUGUST AT 65% POWER LEVEL DURING THE REMAINDER OF THE MONTH THE UNIT INCURRED TWO FORCED OUTAGES AND ONE SCHEDULED OUTAGE AS DESCRIBED ABOVE.

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

* SOUTH TEXAS 2 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....TEXAS

COUNTY.....MATAGORDA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SSW OF
BAY CITY, TEX

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 12, 1989
DATE ELEC ENER 1ST GENER...APRIL 11, 1989
DATE COMMERCIAL OPERATE...JUNE 19, 1989

CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...RESERVOIR

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.....J. TAPI

LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-499

LICENSE & DATE ISSUANCE....NPF-80, MARCH 28, 1989

PUBLIC DOCUMENT ROOM.....J.M. HODGES LEARNING CENTER
WHARTON COUNTY JUNIOR COLLEGE
911 BOLING HIGHWAY
WHARTON, TX 77488

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 7-30, 1989 (89-15) ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS, OPERATIONS PROCEDURES, AND TWO AMENDMENTS TO THE TECHNICAL SPECIFICATIONS. WITHIN THE THREE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (INADEQUATE ABNORMAL OPERATING PROCEDURES, PARAGRAPH 3.4.6). THE OVERALL PROGRAM REGARDING SAFETY-RELATED PROCEDURES AT STP APPEARED TO BE ACCEPTABLE; HOWEVER, IN THE AREA OF ABNORMAL (ANNUNCIATOR AND OFF-NORMAL) PROCEDURES, THE LACK OF ADEQUATE PROCEDURES WAS IDENTIFIED (SCOPE AND CONTENT). THE LICENSEE WAS DEPENDING HEAVILY ON THE LICENSED OPERATOR'S BASIC KNOWLEDGE LEVEL IN ORDER TO RESPOND TO ABNORMAL PLANT TRANSIENTS. THE LICENSEE APPARENTLY HAD NOT FULLY ASSESSED THE PROCEDURES FOR ABNORMAL PLANT TRANSIENTS AT STP.

INSPECTION CONDUCTED JUNE 1-30, 1989 (89-17) ROUTINE, UNANNOUNCED INSPECTION OF PLANT STATUS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATIONS, POWER ASCENSION TEST, MONTHLY SURVEILLANCE OBSERVATIONS, AND STARTUP TEST WITNESSING AND OBSERVATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED REGARDING FIRE WATCHES (SEE PARAGRAPH 3). WEAKNESSES WERE NOTED IN THE LICENSEE'S PIPING AND INSTRUMENT DIAGRAMS (P&IDS) OF THE UNIT 1 STANDBY DIESEL GENERATOR (DG) SUPPORT SYSTEMS. THE P&IDS DID NOT CORRECTLY REFLECT THE AS-BUILT CONFIGURATION OF THE SUPPORT SYSTEMS. OTHER UNIT 1 DG SUPPORT SYSTEM WEAKNESSES INCLUDED IDENTIFICATION TAGS MISSING FROM COMPONENTS, VALVES MISSING FROM THE OPERATING PROCEDURES AND P&IDS, AND VALVE POSITIONS DIFFERENT BETWEEN P&ID AND OPERATING PROCEDURES (SEE PARAGRAPH 5). LICENSEE STRENGTHS WERE THAT ALL UNIT 1 DG SUPPORT SYSTEM VALVES AND POWER SUPPLIES WERE IN THEIR CORRECT POSITION TO SUPPORT DG OPERATION DESPITE THE PROCEDURE/P&ID WEAKNESSES AND THE FACT THAT THE LICENSEE HAD PREVIOUSLY IDENTIFIED THE DEFICIENCIES AND IMPLEMENTED A PROGRAM TO CORRECT THEM. ALSO, MAINTENANCE AND SURVEILLANCE ACTIVITIES WERE OBSERVED TO BE PERFORMED CAREFULLY AND IN ACCORDANCE

Report Period AUG 1989

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

* SOUTH TEXAS 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. M. BONETT (407) 694-6432

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): 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

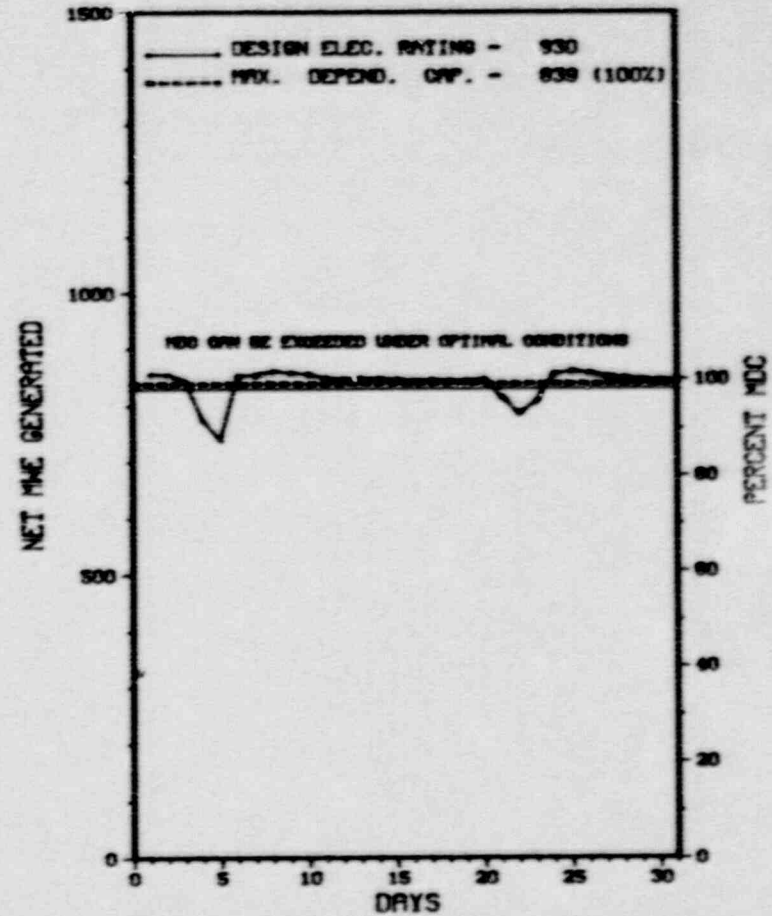
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>111,287.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,380.7</u>	<u>85,406.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,373.1</u>	<u>83,753.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,989,644</u>	<u>14,316,636</u>	<u>215,335,789</u>
18. Gross Elec Ener (MWH)	<u>657,755</u>	<u>4,798,375</u>	<u>70,916,970</u>
19. Net Elec Ener (MWH)	<u>624,258</u>	<u>4,552,380</u>	<u>66,994,332</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.1</u>	<u>75.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.1</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.0</u>	<u>93.1</u>	<u>71.8</u>
23. Unit Cap Factor (DER Net)	<u>101.1</u>	<u>94.1</u>	<u>72.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,058.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEB 18, 1990

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ST LUCIE 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

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

NONE

* SUMMARY *

ST. LUCIE 1 OPERATED ROUTINELY DURING AUGUST 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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* ST LUCIE 1 *

FACILITY DATA

Report Period AUG 1989

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.....J. NORRIS
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 10 - JUNE 12 (89-16): THIS ROUTINE RESIDENT INSPECTION WAS CONDUCTED ONSITE IN THE AREAS OF PLANT TOURS, PLANT OPERATIONS REVIEW, TECHNICAL SPECIFICATION COMPLIANCE, MAINTENANCE OBSERVATIONS, REVIEW OF NONROUTINE EVENTS, PHYSICAL PROTECTION, SURVEILLANCE OBSERVATIONS, OUTAGE ACTIVITIES, REVIEW OF SPECIAL REPORTS, DRAWING CONTROL, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. AN UNRESOLVED ITEM* IDENTIFIED IN A PREVIOUS REPORT, CONCERNING OPERABILITY OF CONTAINMENT COOLERS, REMAINED UNRESOLVED AFTER FURTHER INSPECTION DURING THIS PERIOD. SUBSEQUENT TO THE PREVIOUS INSPECTION OF UNIT 2 CONTAINMENT WHILE IN MODE 4, WHEN CONTAINMENT COOLER DOOR DISCREPANCIES WERE IDENTIFIED, DISCREPANCIES WERE ALSO IDENTIFIED ON UNIT 1 WHILE OPERATING. ADDITIONALLY, A FOLLOWUP INSPECTION OF UNIT 2 REVEALED THAT PREVIOUSLY NOTED DEFICIENCIES WERE NOT COMPLETELY CORRECTED PRIOR TO THE UNIT ENTERING MODE 3. WEAKNESSES WERE IDENTIFIED IN THE DESIGN AND IMPLEMENTATION ASPECTS OF THE DESIGN CHANGE PROGRAM. THESE CONCERNED THE CONSIDERATION OF MISSILE HAZARDS, THE DOCUMENTATION OF ITEMS CONSIDERED, THE IMPLEMENTATION OF THE COMPLETED DESIGN, AND INFORMAL DESIGN BY THE PLANT STAFF IN LIEU OF THE ENGINEERING STAFF. MANY OPERATIONAL ACTIVITIES RELATED TO ENDING A MAJOR OUTAGE WERE OBSERVED. MOST WERE WELL PLANNED AND EXECUTED. ONE VIOLATION REGARDING FAILURE TO PRECLUDE MISSILE HAZARDS RESULTING FROM THE INSTALLATION OF COMPRESSED GAS CYLINDERS. ONE NON-CITED VIOLATION REGARDING FAILURE TO FOLLOW PROCEDURES FOR EQUIPMENT CLEARANCE RELEASE AND INDEPENDENT VERIFICATION. ONE NON-CITED VIOLATION REGARDING FAILURE TO INSTALL CLASS 1E EQUIPMENT IN CONTAINMENT IN ACCORDANCE WITH DRAWINGS. UNRESOLVED ITEMS ARE MATTERS ABOUT WHICH MORE INFORMATION IS REQUIRED TO DETERMINE WHETHER THEY ARE ACCEPTABLE OR MAY INVOLVE VIOLATIONS OR DEVIATIONS.

Report Period AUG 1989

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

* ST LUCIE 1 *

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: SEPTEMBER 9, 1989 +

INSPECTION REPORT NO: 50-335/89-22 +

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
89-004	07/15/89	08/14/89	CONTAINMENT FAN COOLER FILTERS LEFT IN PLACE DURING UNIT POWER OPERATION DUE TO INADEQUATE PROCEDURES

1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. M. BONETT (407) 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>744.0</u>	<u>5,831.0</u>	<u>53,184.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,790.0</u>	<u>49,331.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,755.4</u>	<u>44,526.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,953,264</u>	<u>9,759,703</u>	<u>116,243,374</u>
18. Gross Elec Ener (MWH)	<u>642,190</u>	<u>3,247,800</u>	<u>38,754,640</u>
19. Net Elec Ener (MWH)	<u>608,332</u>	<u>3,063,752</u>	<u>36,638,645</u>
20. Unit Service Factor	<u>100.0</u>	<u>63.5</u>	<u>83.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>63.5</u>	<u>83.7</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>62.6</u>	<u>82.1</u>
23. Unit Cap Factor (DER Net)	<u>98.5</u>	<u>63.3</u>	<u>83.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>35.6</u>	<u>2,547.3</u>

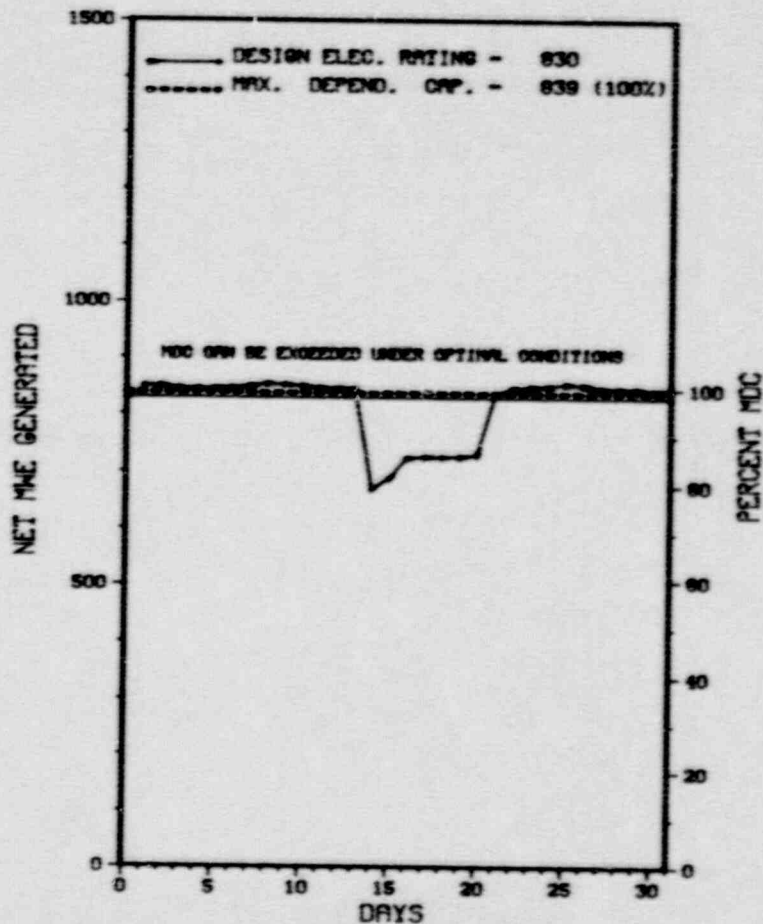
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

* ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ST LUCIE 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
09	08/14/89	F	0.0	A	5		HJ	HTEXCH	UNIT 2 REDUCED POWER FOR THE 2A DRAIN COOLER LEAK. FOLLOWING THE REPAIR, FULL POWER OPERATION WAS RESUMED.

***** ST. LUCIE 2 INCURRED ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.
* SUMMARY *

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

* ST LUCIE C *

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

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. CRELJAK
LICENSING PROJ MANAGER.....J. MORRIS
DOCKET NUMBER.....50-589
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 - JUNE 12 (89-16): THIS ROUTINE RESIDENT INSPECTION WAS CONDUCTED ONSITE IN THE AREAS OF PLANT TOURS, PLANT OPERATIONS REVIEW, TECHNICAL SPECIFICATION COMPLIANCE, MAINTENANCE OBSERVATIONS, REVIEW OF NONROUTINE EVENTS, PHYSICAL PROTECTION, SURVEILLANCE OBSERVATIONS, OUTAGE ACTIVITIES, REVIEW OF SPECIAL REPORTS, DRAWING CONTROL, AND LICENSE ACTION ON PREVIOUS INSPECTION FINDINGS. AN UNRESOLVED ITEM* IDENTIFIED IN A PREVIOUS REPORT, CONCERNING OPERABILITY OF CONTAINMENT COOLERS, REMAINED UNRESOLVED AFTER FURTHER INSPECTION DURING THIS PERIOD. SUBSEQUENT TO THE PREVIOUS INSPECTION OF UNIT 2 CONTAINMENT WHILE IN MODE 4, WHEN CONTAINMENT COOLER DOOR DISCREPANCIES WERE IDENTIFIED, DISCREPANCIES WERE ALSO IDENTIFIED ON UNIT 1 WHILE OPERATING. ADDITIONALLY, A FOLLOWUP INSPECTION OF UNIT 2 REVEALED THAT PREVIOUSLY NOTED DEFICIENCIES WERE NOT COMPLETELY CORRECTED PRIOR TO THE UNIT ENTERING MODE 3. WEAKNESSES WERE IDENTIFIED IN THE DESIGN AND IMPLEMENTATION ASPECTS OF THE DESIGN CHANGE PROGRAM. THESE CONCERNED THE CONSIDERATION OF MISSILE HAZARDS, THE DOCUMENTATION OF ITEMS CONSIDERED, THE IMPLEMENTATION OF THE COMPLETED DESIGN, AND INFORMAL DESIGN BY THE PLANT STAFF IN LIEU OF THE ENGINEERING STAFF. MANY OPERATIONAL ACTIVITIES RELATED TO ENDING A MAJOR OUTAGE WERE OBSERVED. MOST WERE WELL PLANNED AND EXECUTED. ONE VIOLATION REGARDING FAILURE TO PRECLUDE MISSILE HAZARDS RESULTING FROM THE INSTALLATION OF COMPRESSED GAS CYLINDERS. ONE NON-CITED VIOLATION REGARDING FAILURE TO FOLLOW PROCEDURES FOR EQUIPMENT CLEARANCE RELEASE AND INDEPENDENT VERIFICATION. ONE NON-CITED VIOLATION REGARDING FAILURE TO INSTALL CLASS 1E EQUIPMENT IN CONTAINMENT IN ACCORDANCE WITH DRAWINGS. UNRESOLVED ITEMS ARE MATTERS ABOUT WHICH MORE INFORMATION IS REQUIRED TO DETERMINE WHETHER THEY ARE ACCEPTABLE OR MAY INVOLVE VIOLATIONS OR DEVIATIONS.

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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

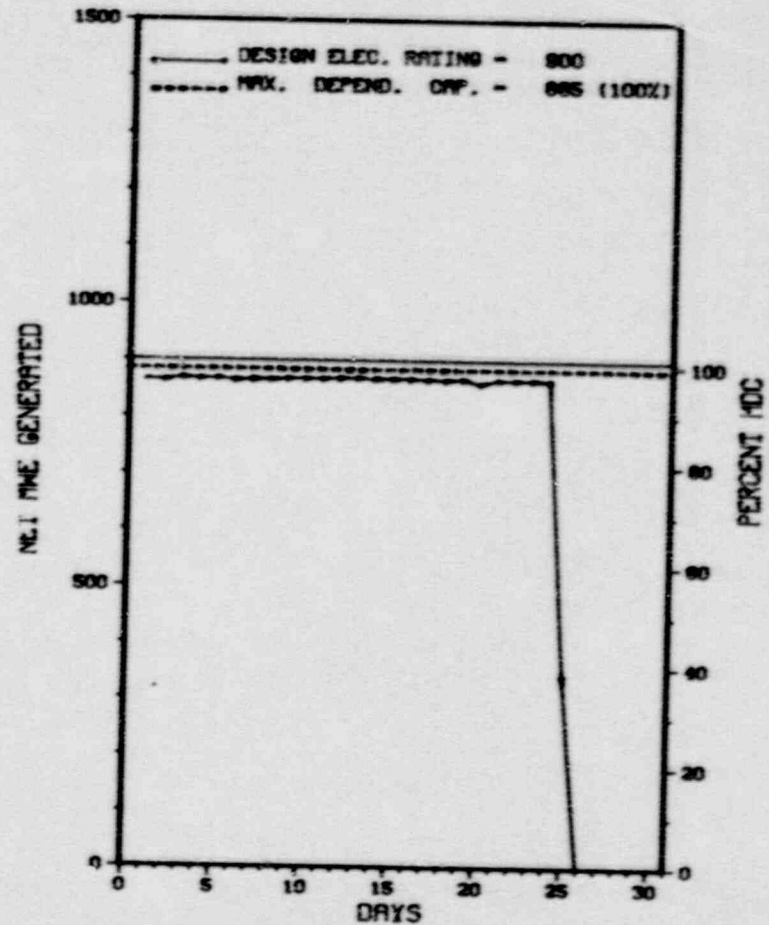
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>49,679.0</u>
13. Hours Reactor Critical	<u>586.1</u>	<u>4,682.1</u>	<u>37,418.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>586.1</u>	<u>4,596.1</u>	<u>36,678.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,624,424</u>	<u>11,404,487</u>	<u>96,253,091</u>
18. Gross Elec Ener (MWH)	<u>530,360</u>	<u>3,694,950</u>	<u>31,841,743</u>
19. Net Elec Ener (MWH)	<u>504,861</u>	<u>4,97,603</u>	<u>30,289,170</u>
20. Unit Service Factor	<u>78.8</u>	<u>78.8</u>	<u>73.8</u>
21. Unit Avail Factor	<u>78.8</u>	<u>78.8</u>	<u>73.8</u>
22. Unit Cap Factor (MDC Net)	<u>76.7</u>	<u>67.8</u>	<u>68.9</u>
23. Unit Cap Factor (DER Net)	<u>75.4</u>	<u>66.6</u>	<u>67.7</u>
24. Unit Forced Outage Rate	<u>21.2</u>	<u>21.2</u>	<u>8.5</u>
25. Forced Outage Hours	<u>157.9</u>	<u>1,234.9</u>	<u>3,398.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 09/01/89

 * S U M M E R 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

S U M M E R 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	08/25/89	F	157.9	A	2				REPLACE PRESSURIZER SAFETY VALVE

* SUMMARY *

SUMMER 1 INCURRED ONE FORCED OUTAGE DURING AUGUST TO REPLACE PRESSURIZER SAFETY VALVE. THE UNIT REMAINED SHUTDOWN AT MONTHS END.

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

* SUMMER 1 *

FACILITY DATA

Report Period AUG 1989

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 JULY 1-31 (89-13): THIS ROUTINE INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS ONSITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ACTION ON PREVIOUS INSPECTION FINDINGS, AND OTHER AREAS. CERTAIN TOURS WERE CONDUCTED ON BACKSHIFT OR WEEKENDS. BACKSHIFT OR WEEKEND TOURS WERE CONDUCTED ON JULY 11-13, 18-19, 23-26, 1989. THE UNIT BEGAN THE MONTH AT 100 PERCENT POWER. A TRIP FROM 100 PERCENT POWER OCCURRED ON JULY 11, 1989, AS THE RESULT OF A MAINTENANCE TECHNICIAN SHORTING OUT A POWER SUPPLY FOR THE GENERATOR STATOR WATER COOLING SYSTEM. THE UNIT TRIP AND SCE&G GRID HEAVY LOADING RESULTED IN A LOSS OF OFFSITE POWER WITH A TRANSFER OF THE SAFETY RELATED BUSES TO THE EMERGENCY DIESEL GENERATORS. THE UNIT WAS RESTARTED AND RETURNED TO POWER ON JULY 13, 1989. IT OPERATED AT FULL POWER FOR THE REMAINDER OF THE MONTH. THE AREAS OF MAINTENANCE AND SURVEILLANCE CONTINUE TO PERFORM SATISFACTORILY. A VIOLATION FOR FAILURE TO CONTROL THE TEMPORARY INSTALLATION OF PORTABLE DEMINERALIZERS WAS IDENTIFIED. THE LICENSEE'S EVALUATION OF THIS EVENT DETERMINED THAT ALTHOUGH A SEISMIC EVENT COULD EFFECT THE OPERATION OF SAFETY EQUIPMENT, THE AFFECTED SYSTEMS WOULD STILL CONTINUE TO OPERATE SATISFACTORILY.

INSPECTION JULY 24-28 (89-15): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF INSERVICE TESTING AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE'S SERVICE WATER SYSTEM INSERVICE TESTING (IST) PROGRAM APPEARED TO BE ADEQUATE TO ENSURE THAT COMPONENTS ARE MAINTAINED IN AN OPERATIONAL READINESS STATE. SERVICE WATER SYSTEM IST WEAKNESSES WERE IDENTIFIED IN CHECK VALVE FULL STROKE AND BACKFLOW TESTING, AND LACK OF CONSIDERATION OF TEST EQUIPMENT ACCURACY IN DETERMINING VALVE THRUST VALUE SETPOINTS. A VIOLATION WAS IDENTIFIED FOR FAILURE TO VERIFY REMOTE VALVE POSITION INDICATION AT THE REMOTE SHUTDOWN PANELS. A NON-CITABLE VIOLATION WAS ALSO IDENTIFIED AND REVIEWED INVOLVING FAILURE TO FULLY IMPLEMENT SECTION XI IST PUMP REQUIREMENTS.

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* SUMMER 1 *

INSPECTION SUMMARY

INSPECTION JULY 10-14 (89-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PACKAGES AND PERSONNEL; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND PERSONNEL TRAINING AND QUALIFICATION. IN THE AREAS INSPECTED, VIOLATIONS WERE NOT IDENTIFIED. INSPECTION RESULTS INDICATED THAT THE SECURITY PROGRAM CONTINUES TO IMPROVE ITS EFFECTIVENESS IN MOST ASPECTS AND THE SECURITY ORGANIZATION IS CAPABLE OF PROVIDING AN ACCEPTABLE LEVEL OF PROTECTION FOR THE STATION'S RESOURCES. THE LAST CHANGE IN MANAGEMENT, SUPERVISION STYLE AND PHILOSOPHY HAS BEEN READILY ACCEPTED BY THE SECURITY FORCE. MANAGEMENT APPEARED TO HAVE REACTED APPROPRIATELY IN RECOGNIZING THE EVENTS WHICH RESULTED IN A DETERIORATION OF SECURITY MORALE AND PERFORMANCE. THIS INSPECTION FOUND THAT THE SECURITY PERFORMANCE IN THE AREA OF PERSONNEL ACCESS CONTROL HAS REACHED A LEVEL OF ACCEPTABLE PERFORMANCE; WHICH PREVIOUSLY HAD BEEN CONSIDERED MARGINAL DURING THE LAST SALP REPORTING PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

FOURTH REFUELING OUTAGE (SEPTEMBER 16 - DECEMBER 1, 1988).

LAST IE SITE INSPECTION DATE: SEPTEMBER 15, 1989

INSPECTION REPORT NO: 50-395/89-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-283 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. WARREN (804) 357-3184 X355

4. Licensed Thermal Power (Mwt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 820

8. Maximum Dependable Capacity (Net MWe): 781

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>146,327.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,368.0</u>	<u>89,862.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,316.7</u>	<u>87,921.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,784,348</u>	<u>2,960,576</u>	<u>203,638,887</u>
18. Gross Elec Ener (MWH)	<u>595,880</u>	<u>976,150</u>	<u>66,179,823</u>
19. Net Elec Ener (MWH)	<u>564,214</u>	<u>921,802</u>	<u>62,758,991</u>
20. Unit Service Factor	<u>100.0</u>	<u>22.6</u>	<u>60.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>22.6</u>	<u>62.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.1</u>	<u>20.2</u>	<u>54.9</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>20.1</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>77.4</u>	<u>22.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>4,514.3</u>	<u>21,681.2</u>

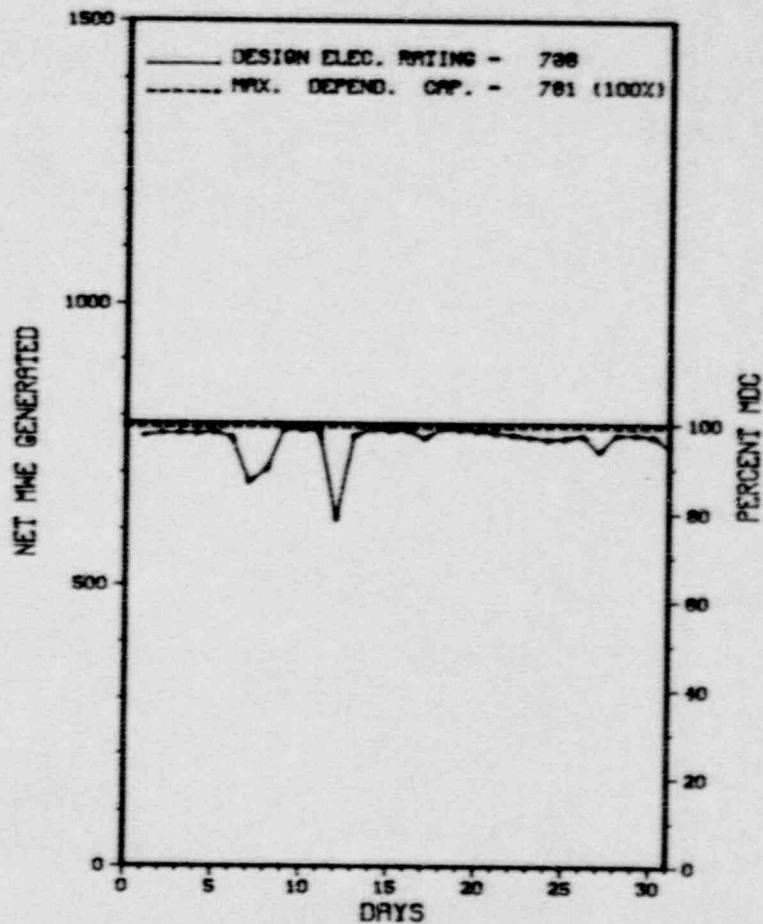
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SURRY 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
C-13-1	08/11/89	S	0.0	B	5		SB	TR	TESTED MAIN TURBINE GOVERNOR VALVES IN ACCORDANCE WITH PT-29.1

***** SURRY 1 INCURRED ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.
 * SUMMARY *

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

* SURRY 1 *

FACILITY DATA

Report Period AUG 1989

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. BUCKLEY
LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION SUMMARY

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

+ INSPECTION JULY 17-22 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE PHYSICAL SECURITY PROGRAM FOR POWER REACTORS; SPECIFICALLY, SECURITY MANAGEMENT, AUDITS, ACCESS CONTROL, ALARM STATIONS, POWER SUPPLY, MAINTENANCE, AND TRAINING. RECENT NRC NOTICES WERE ALSO REVIEWED, AS WERE SAFEGUARD EVENT LOGS. VARIOUS LICENSEE INITIATIVES WERE ALSO REVIEWED. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED BY THE NRC. ONE NON-CITED VIOLATION WAS NOTED WITH RESPECT TO AN ISOLATED EXAMPLE OF FAILURE TO RESPOND TO A VITAL AREA ALARM. FAVORABLE PERFORMANCE BY THE SECURITY ORGANIZATION AND RESPONSIVENESS BY SECURITY SUPERVISION WERE ALSO NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-281 **OPERATING STATUS**
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. WARREN (804) 357-3184 X355
4. Licensed Thermal Power (Mwt): 2441
5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848
6. Design Electrical Rating (Net MWe): 788
7. Maximum Dependable Capacity (Gross MWe): 820
8. Maximum Dependable Capacity (Net MWe): 781
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

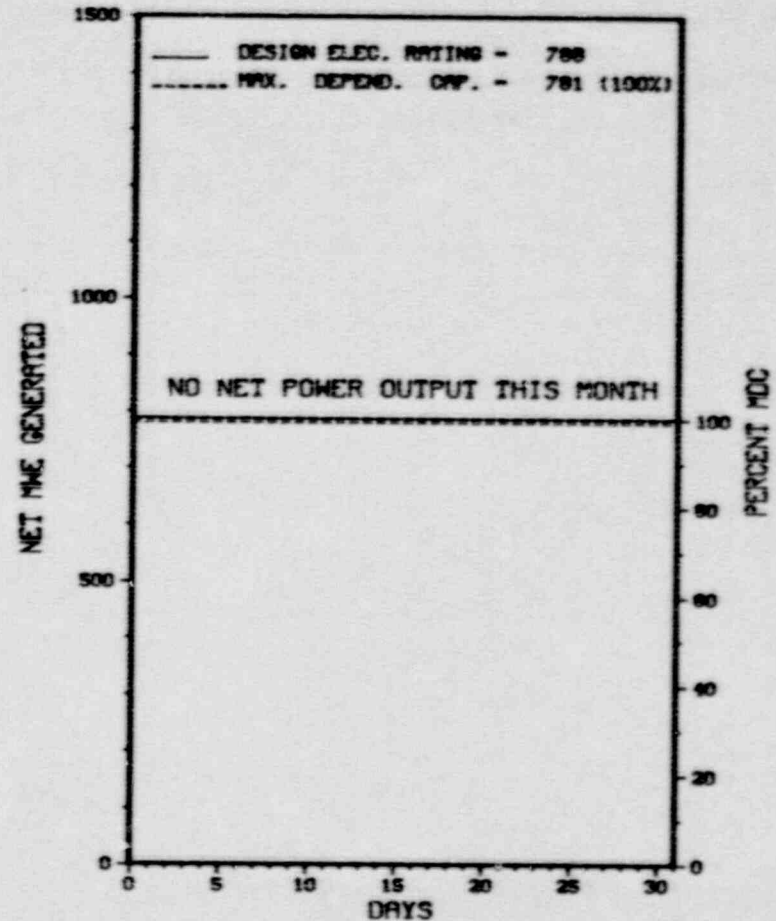
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>143,207.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>89,697.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>88,293.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>206,740,449</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>67,131,244</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>63,649,682</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>61.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>61.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>56.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,937.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 09/18/89

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SURRY 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-21	09/09/88	S	744.0	C	4	281/88-22		UNIT SHUTDOWN FOR REFUELING OUTAGE; AUTOMATIC TRIP.

* SUMMARY *

SURRY 2 REMAINED SHUTDOWN DURING AUGUST FOR EXTENDED SCHEDULED REFUELING/MAINTENANCE OUTAGE.

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

* SURRY 2 *

FACILITY DATA

Report Period AUG 1989

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.....B. BUCKLEY
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 JULY 17-22 (89-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF THE PHYSICAL SECURITY PROGRAM FOR POWER REACTORS; SPECIFICALLY, SECURITY MANAGEMENT, AUDITS, ACCESS CONTROL, ALARM STATIONS, POWER SUPPLY, MAINTENANCE, AND TRAINING. RECENT NRC NOTICES WERE ALSO REVIEWED, AS WERE SAFEGUARD EVENT LOGS. VARIOUS LICENSEE INITIATIVES WERE ALSO REVIEWED. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED BY THE NRC. ONE NON-CITED VIOLATION WAS NOTED WITH RESPECT TO AN ISOLATED EXAMPLE OF FAILURE TO RESPOND TO A VITAL AREA ALARM. FAVORABLE PERFORMANCE BY THE SECURITY ORGANIZATION AND RESPONSIVENESS BY SECURITY SUPERVISION WERE ALSO NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-387 OPERATING STATUS
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: K. A. YOUNG (717) 542-3251
 4. Licensed Thermal Power (Mwt): 3295
 5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
 6. Design Electrical Rating (Net MWe): 1050
 7. Maximum Dependable Capacity (Gross MWe): 1068
 8. Maximum Dependable Capacity (Net MWe): 1032
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>54,648.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,748.5</u>	<u>40,692.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>992.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,633.7</u>	<u>39,789.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,431,218</u>	<u>11,433,239</u>	<u>124,026,698</u>
18. Gross Elec Ener (MWH)	<u>794,264</u>	<u>3,747,428</u>	<u>40,471,288</u>
19. Net Elec Ener (MWH)	<u>768,130</u>	<u>3,587,925</u>	<u>38,845,385</u>
20. Unit Service Factor	<u>100.0</u>	<u>62.3</u>	<u>72.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>62.3</u>	<u>72.8</u>
22. Unit Cap Factor (MDC Net)	<u>100.0</u>	<u>59.6</u>	<u>68.9</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>58.6</u>	<u>67.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.5</u>	<u>9.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>471.5</u>	<u>4,295.3</u>

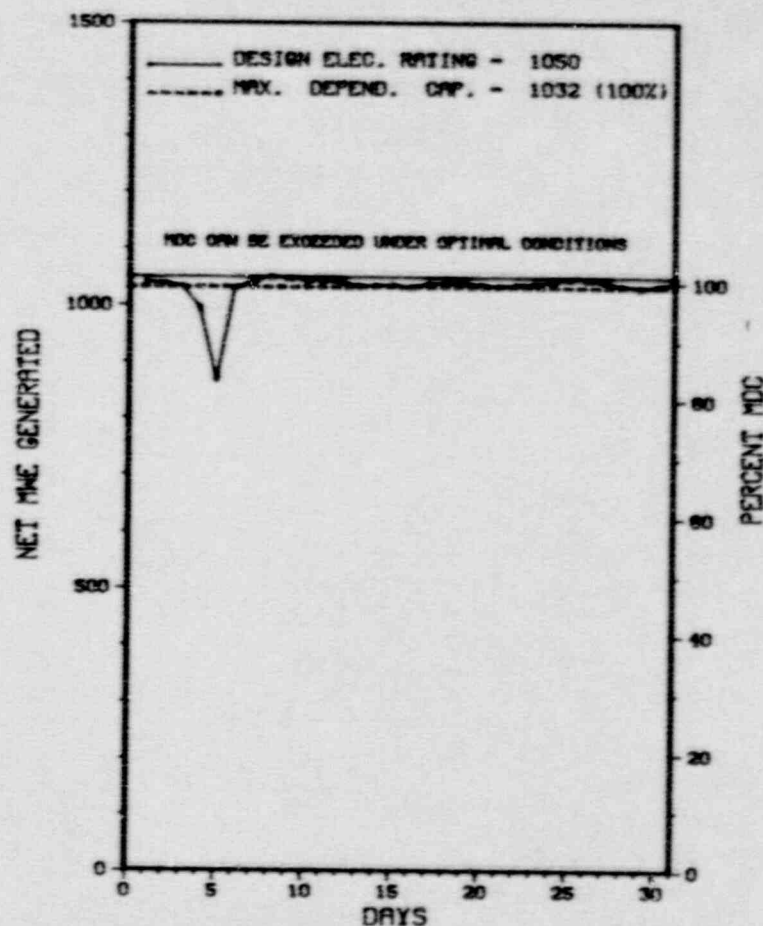
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 2 SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SUSQUEHANNA 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 1 *

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

NONE

* SUMMARY *

SUSQUEHANNA 1 OPERATED ROUTINELY DURING AUGUST 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)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JUNE 8, 1983
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

?) INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period AUG 1989

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

* SUSQUEHANNA 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-388 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: K. A. YOUNG (717) 542-3251

4. Licensed Thermal Power (MWT): 3293

5. Nameplate Rating (Gross MWe): 1152

6. Design Electrical Rating (Net MWe): 1050

7. Maximum Dependable Capacity (Gross MWe): 1074

8. Maximum Dependable Capacity (Net MWe): 1038

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>39,887.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,658.2</u>	<u>33,366.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>693.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,608.2</u>	<u>32,756.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,409,831</u>	<u>17,985,999</u>	<u>103,361,607</u>
18. Gross Elec Ener (MWH)	<u>781,752</u>	<u>5,899,934</u>	<u>33,846,763</u>
19. Net Elec Ener (MWH)	<u>754,168</u>	<u>5,690,965</u>	<u>32,590,256</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.2</u>	<u>82.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.2</u>	<u>82.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.7</u>	<u>94.0</u>	<u>78.7</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>93.0</u>	<u>77.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.4</u>	<u>6.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>137.3</u>	<u>2,297.6</u>

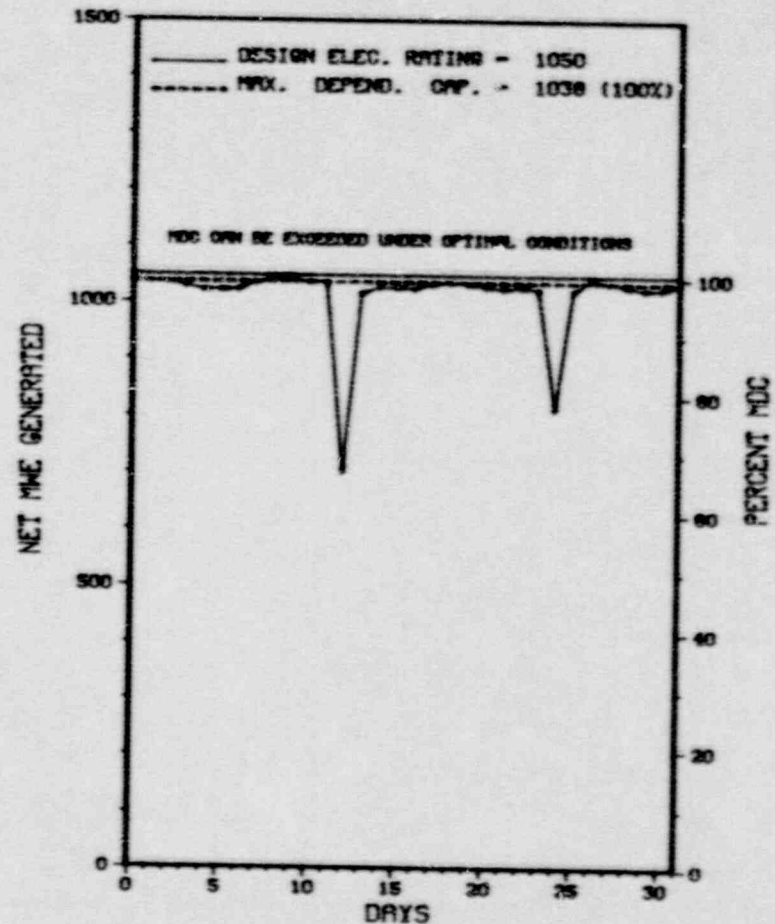
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - SEPT 9, 1989 - 11 WEEK DURATION

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

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SUSQUEHANNA 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/12/89	S	0.0	B	5		AC	ZZZ	UNIT TWO COMMENCED A POWER REDUCTION AT 0200 HOURS AUGUST 12 FOR A PARTIAL MAINTENANCE OUTAGE. PJM MINIMUM LOAD GENERATION WARNING ALLOWED UNIT TWO TO SCHEDULE A POWER REDUCTION TO 60% FOR CONDUCTING RE-DVP-057 TEST TO DETERMINE LOCATION OF DEFECTIVE FUEL ROD. SUSPECTED LOCATION OF LEAKING FUEL BUNDLE WAS IDENTIFIED. BUNDLE MAY BE CHANGED OUT DURING UPCOMING REFUEL OUTAGE. RAMP BACK TO POWER COMMENCED AT 1900 HOURS AND UNIT REACHED FULL POWER AT 0800 HOURS AUGUST 13.
10	08/24/89	F	0.0	A	5		JB	LIT	AT 1100 HOURS AUGUST 24, UNIT TWO EXPERIENCED A REACTOR RECIRCULATION SYSTEM RUNBACK AND FEEDWATER LEVEL SETDOWN TO 18 INCHES. REACTOR POWER STABILIZED AT APPROXIMATELY 55%. RECIRC RUNBACK WAS DUE TO "B" FEEDWATER LEVEL INSTRUMENT SPURIOUS SIGNAL INTERRUPTION. OPERATORS PLACED "A" FEEDWATER LEVEL CHANNEL IN THE CONTROL POSITION. THE "B" LEVEL TRANSMITTER WAS REPLACED WITH NEW PART AND SUSPECT INSTRUMENT WAS SENT TO MANUFACTURER-ROSEMONT FOR FAILURE ANALYSIS. POWER ASCENSION COMMENCED AT 2200 HOURS AUGUST 24 WITH UNIT REACHING FULL POWER LEVEL AT 0900 HOURS AUGUST 25.

 * SUMMARY *

 SUSQUEHANNA 2 INCURRED TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.

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

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period AUG 1989

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
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period AUG 1989

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

* SUSQUEHANNA 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWT): 2568

5. Nameplate Rating (Gross MWe): 0871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 856

8. Maximum Dependable Capacity (Net MWe): 808

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

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

11. Reasons for Restrictions, If Any: _____
NONE

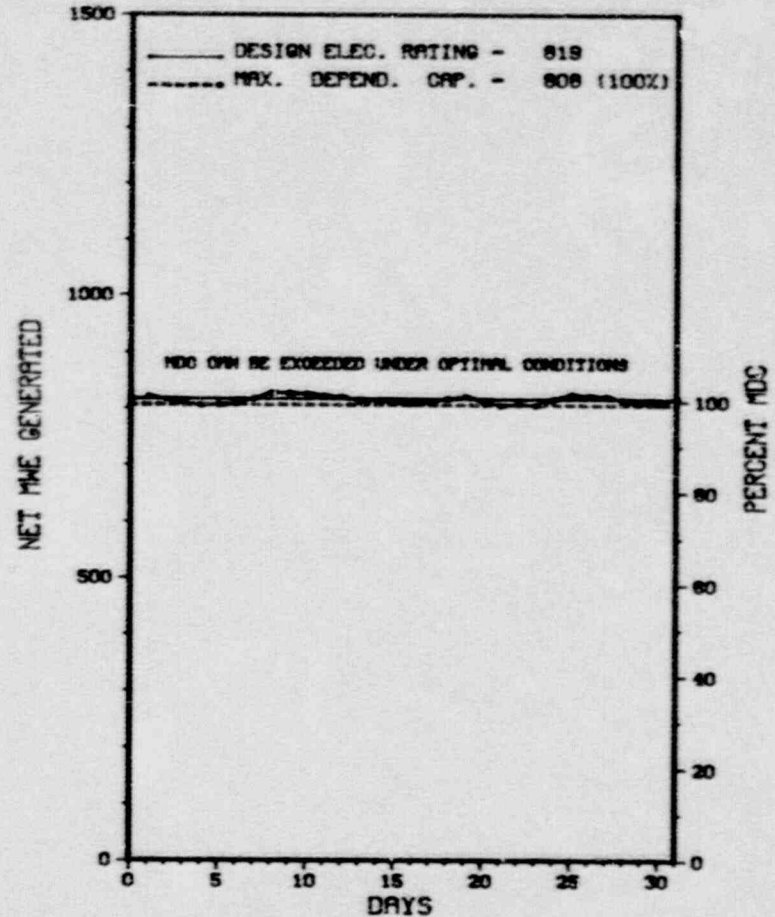
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>131,472.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,831.0</u>	<u>59,112.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,960.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,831.0</u>	<u>58,112.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,906,894</u>	<u>14,944,376</u>	<u>142,305,484</u>
18. Gross Elec Ener (MWH)	<u>642,261</u>	<u>5,131,345</u>	<u>47,805,730</u>
19. Net Elec Ener (MWH)	<u>608,119</u>	<u>4,854,703</u>	<u>44,824,414</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>44.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>44.2</u>
22. Unit Cap Factor (MDC Net)	<u>101.2</u>	<u>103.0</u>	<u>43.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.8</u>	<u>101.7</u>	<u>41.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>50.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>59,977.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JAN 5, 1990 - 57 DAY DURATION.

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
THREE MILE ISLAND 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

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

NONE

* SUMMARY *

THREE MILE ISLAND 1 OPERATED ROUTINELY DURING AUGUST WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period AUG 1989

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.....50-239
LICENSE & DATE ISSUANCE...DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH BUILDING
HARRISBURG, PENN. 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 AUG 1989

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

* THREE MILE ISLAND 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: 50-344 OPERATING STATUS
2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
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:
NONE

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

11. Reasons for Restrictions, If Any: _____

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,831.0	113,951.0
13. Hours Reactor Critical	608.6	2,920.9	71,191.2
14. Rx Reserve Shtdwn Hrs	.0	.0	3,875.4
15. Hrs Generator On-Line	515.8	2,796.2	69,330.6
16. Unit Reserve Shtdwn Hrs	.0	.0	3,237.0
17. Gross Therm Ener (MWH)	1,479,884	9,224,869	222,320,396
18. Gross Elec Ener (MWH)	478,074	3,108,572	72,660,457
19. Net Elec Ener (MWH)	444,325	2,926,554	68,764,594
20. Unit Service Factor	69.3	48.0	60.8
21. Unit Avail Factor	69.3	48.0	63.7
22. Unit Cap Factor (MDC Net)	54.5	45.8	55.1
23. Unit Cap Factor (DER Net)	52.9	44.4	53.4
24. Unit Forced Outage Rate	20.5	4.5	13.4
25. Forced Outage Hours	133.0	133.0	10,697.4

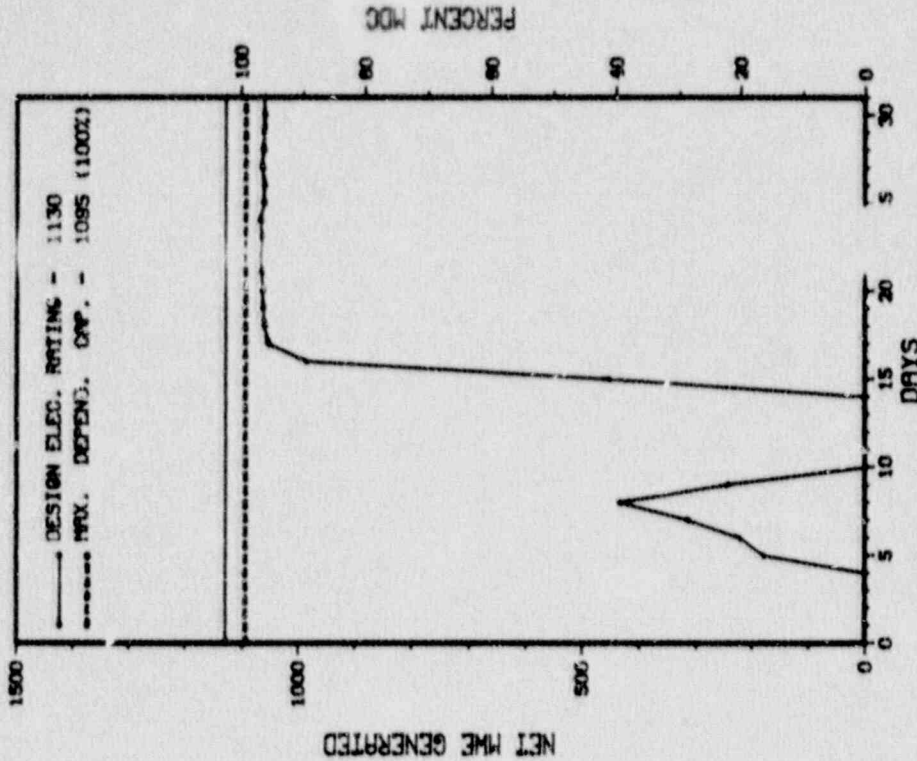
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TROJAN



AUGUST 1968

Report Period AUG 1989

UNIT SHUTDOWNS /

 * TROJAN *

No.	Type	Hours	Reason	Method	LER Number	System Component	Corrective Action to Prevent Recurrence
02-89	04	95.2	C	4		ANNUAL	RECOVERY
03-89	P	133.0	A	3		IA INSTRU	REAC. B. TEMPERATURE DELTA T SETPOINT (F AND 00P D U. LE FAILED LOW MAKING UP OT DELTA T TR. REPLACED OT DELTA T MODULES. T. BL. IF OT DELTA T SETPOINTS SHOWED MODUL. CONNE. h/ UP.

 * SUMMARY *

 TROJAN ENTERED AUGUST SHUTDOWN FOR REFUELING OUTAGE. THE UNIT RETURNED TO SERVICE ON AUGUST 5 AND INCURRED ONE FORCED OUTAGE THE REMAINDER OF THE MONTH AS DESCRIBED ABOVE.

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

* TROJAN *

FACILITY DATA

Report Period AUG 1989

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. BARR

LICENSING PROJ MANAGER.....P. BEVAN
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 MAY 22 - JUNE 23, 1989 (REPORT NO. 50-344/89-09) AREAS INSPECTED: A SPECIAL, ANNOUNCED TEAM INSPECTION TO ASSESS THE EFFECTIVENESS OF THE LICENSEE PROGRAMS IN IDENTIFYING AND CORRECTING DESIGN RELATED PLANT VULNERABILITIES. SPECIFICALLY, THE TEAM EXAMINED THE LICENSEE'S SELF-SAFETY SYSTEM FUNCTION INSPECTION, LICENSEE PROGRESS IN DESIGN BASIS DOCUMENT DEVELOPMENT, AND PROGRESS IN SPECIFIC COMMITTED IMPROVEMENTS IN THE ENGINEERING AREA. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, SIX VIOLATIONS WERE IDENTIFIED: (1) DEALING WITH INCOMPLETE CONSIDERATION OF THE EFFECTS OF A DESIGN CHANGE WHICH ADDED A SUPPLEMENTAL COOLING SYST^M TO THE CONTROL ROOM VENTILATION; (2) INVOLVING FAILURE TO PROPERLY PERFORM TECHNICAL SPECIFICATION SURVEILLANCE TESTING; (3) INVOLVING SEVERAL EXAMPLES OF LICENSEE FAILURE TO FOLLOW PROCEDURES FOR ENGINEERING CALCULATIONS. ADDITIONALLY, THREE VIOLATIONS WERE IDENTIFIED DEALING WITH INCOMPLETE ACTION FOR DESIGN CHANGE WHICH REPLACED VITAL INVERTERS. SPECIFICALLY, FAILURE TO ISSUE A NONCONFORMANCE REPORT FOR INVERTER FREQUENCY INSTABILITY, FAILURE TO CALIBRATE THE INVERTER INSTRUMENTS, AND FAILURE TO CHANGE AN EMERGENCY PROCEDURE TO REFLECT ANNUNCIATION CHANGES.

+ INSPECTION ON JUNE 18 - JULY 22, 1989 (REPORT NO. 50-344/89-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 12 - 14, 1989 (REPORT NO. 50-344/89-18) AREAS INSPECTED: THIS WAS A SPECIAL, UNANNOUNCED INSPECTION OF AN UNRESOLVED ITEM CONCERNING THE LICENSEE'S HIGH PRESSURE HYDROGEN AND NITROGEN STORAGE FACILITY AT THE TROJAN NUCLEAR PLANT. IN ADDITION, THE INSPECTION INCLUDED A REVIEW OF THE LICENSEE'S EVALUATION AND IMPLEMENTATION OF RECOMMENDATIONS ASSOCIATED WITH NRC

Report Period AUG 1989

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

* TROJAN *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT IS OPERATING AT 99 % POWER.

LAST IE SITE INSPECTION DATE: 09/11 - 09/15/89+

INSPECTION REPORT NO: 50-344/89-21+

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
--------	------------------	-------------------	---------

NONE
=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. M. BONETT (407) 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

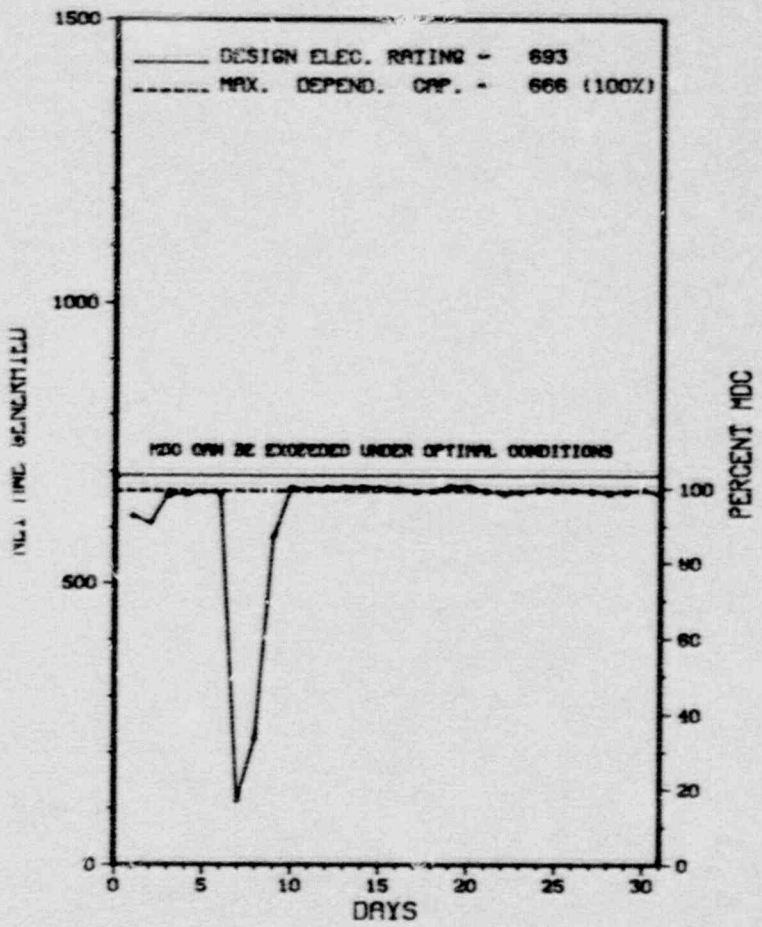
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>146,744.6</u>
13. Hours Reactor Critical	<u>735.0</u>	<u>2,877.6</u>	<u>97,980.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>726.0</u>	<u>2,775.5</u>	<u>94,803.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,554,544</u>	<u>5,806,100</u>	<u>197,002,132</u>
18. Gross Elec Ener (MWH)	<u>491,670</u>	<u>1,859,631</u>	<u>63,122,156</u>
19. Net Elec Ener (MWH)	<u>467,785</u>	<u>1,741,621</u>	<u>59,672,173</u>
20. Unit Service Factor	<u>97.6</u>	<u>47.6</u>	<u>64.7</u>
21. Unit Avail Factor	<u>97.6</u>	<u>47.6</u>	<u>64.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.4</u>	<u>44.8</u>	<u>62.3*</u>
23. Unit Cap Factor (DER Net)	<u>90.7</u>	<u>43.1</u>	<u>58.7</u>
24. Unit Forced Outage Rate	<u>2.4</u>	<u>25.9</u>	<u>13.0</u>
25. Forced Outage Hours	<u>18.0</u>	<u>971.9</u>	<u>13,664.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEB 15, 1990

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 3



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
08	08/07/89	F	18.0	A	1		HC HTEXCH	UNIT 3 WAS SHUTDOWN TO REPAIR A CONDENSER TUBE LEAK. RETURN TO FULL POWER WAS DELAYED FOR SECONDARY CHEMISTRY CONTROL.

 * SUMMARY *

 TURKEY POINT 3 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period AUG 1989

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.....E. 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 27 - JUNE 30 (89-27): THIS ROUTINE RESIDENT INSPECTOR INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATIONS, ENGINEERED SAFETY FEATURES WALKDOWNS, OPERATIONAL SAFETY, PLANT EVENTS, UNIT 3 STARTUP FROM AN OUTAGE, UNIT 4 STARTUP FROM REFUELING, AND INSTALLATION AND TESTING OF MODIFICATIONS. BOTH UNITS 3 AND 4 WERE TAKEN CRITICAL AND PUT ON LINE DURING THIS INSPECTION PERIOD. ALSO, UNIT 4 WAS TAKEN OFF LINE, DUE TO A TPCW LEAK WETTING THE GENERATOR EXCITER, AND THEN RETURNED TO POWER. ALL MANIPULATIONS WERE ACCOMPLISHED IN A DELIBERATE AND CONTROLLED MANNER. OPERATIONS EXHIBITED A PROFESSIONAL ATTITUDE IN CONTROLLING THE OPERATION OF THE PLANT. TWO VIOLATIONS, ONE NON-CITED VIOLATION, AND ONE INSPECTOR FOLLOWUP ITEM WERE IDENTIFIED.

INSPECTION JUNE 26-30 (89-32): THIS ROUTINE, UNANNOUNCED INSPECTION ADDRESSED THE AREAS OF POST-REFUELING STARTUP TESTS FOR UNIT 4 AND CORE PERFORMANCE MONITORING, NUCLEAR INSTRUMENT CALIBRATION, AND THERMAL POWER MONITORING FOR UNIT 3. THE UNIT 4, CYCLE 12 INITIAL CRITICALITY WAS PERFORMED IN A CONSERVATIVE, WELL-CONTROLLED MANNER. FIVE POTENTIAL IMPROVEMENTS TO THE PROCEDURE USED WERE IDENTIFIED. ALL ZERO POWER PHYSICS TESTS MET THE NUMERICAL ACCEPTANCE CRITERIA, AND THE BASIC TEST METHODS WERE GOOD AND YIELDED CONVINCING RESULTS. THE TESTS COULD HAVE BEEN IMPROVED BY BETTER ANNOTATION OF REACTIVITY COMPUTER CHART TRACES, INDEPENDENT EVALUATION OF TEST RESULTS, AND BY ADDITION OF AN ACCEPTANCE CRITERION FOR INTERNAL AGREEMENT OF AMONG IIC MEASUREMENTS. THE OTHER ACCEPTANCE CRITERIA INVOKED WERE CONSISTENT WITH ANSI/ANS-19.4-1985, RELOAD STARTUP PHYSICS REQUIREMENTS FOR PRESSURIZED WATER REACTORS. THE PLANT REACTOR ENGINEERING STAFF RESPONSE TO NRC INITIATIVES HAS BEEN EXCELLENT. PAST OBSERVATIONS IN NRC INSPECTION REPORTS ON THE PERFORMANCE OF ZERO POWER PHYSICS TESTS BOTH AT TURKEY POINT AND ST. LUCIE HAVE BEEN INCORPORATED INTO THE CURRENT TEST PROCEDURES. RESPONSE AT THE CORPORATE LEVEL TO NRC INITIATIVES HAS BEEN POOR. THE PLANT WAS MADE AWARE OF THE EXCESSIVE POST-TRIP COOLDOWN AND CONCOMITANT REDUCTION IN SHUTDOWN MARGIN AT SEQUOYA; NEARLY A YEAR AGO.

INSPECTION SUMMARY

CORPORATE FUEL RESOURCES WAS REQUESTED TO PROVIDE ANALYSIS AND GUIDANCE BY TURKEY POINT, AND IS NOW FOUR MONTHS OVERDUE IN ITS RESPONSE. THE PLANT HAS YET TO DEMAND ACTION, BUT PLANT MANAGEMENT AGREED TO PURSUE THE ISSUE. NEITHER UNIT WILL HAVE MUCH EXTRA SHUTDOWN MARGIN AT THE END OF ITS CURRENT CYCLE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 17-21 (89-33): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; AND PERSONNEL TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS. IN ADDITION, THE PHYSICAL SECURITY SECTION CHIEF AND THE INSPECTOR PARTICIPATED WITH THE NRR REACTOR SECURITY SPECIALIST IN DISCUSSIONS WITH LICENSEE MANAGEMENT CONCERNING THE STATUS OF THE PROGRAMMED SECURITY SYSTEM UPGRADE AND RESOLUTION OF THE LONG STANDING VITAL BARRIER ISSUE. THE SECURITY SECTION CHIEF AND INSPECTOR ALSO ATTENDED THE BI-MONTHLY NRC-FP&L MANAGEMENT MEETING. THE STATUS OF THE SECURITY UPGRADE/ENHANCEMENT PROGRAM WAS DISCUSSED. OBSERVATIONS AND INSPECTION RESULTS CONFIRMED THAT LICENSEE EFFORTS TO UPGRADE SECURITY SYSTEMS AND FACILITIES AND TO IMPROVE THE EFFECTIVENESS AND PERFORMANCE OF SECURITY PERSONNEL WERE ONGOING AND SOME INDICATION OF IMPROVEMENT IN PERSONNEL PERFORMANCE WAS NOTED. ENGINEERING STUDIES, DESIGN AND SCHEDULING ACTIVITIES RELATING TO THE SECURITY PROGRAM UPGRADE HAD BEEN COMPLETED. HOWEVER, CONSTRUCTION AND INSTALLATION EFFORTS HAD NOT BEEN INITIATED. WITH REGARD TO SECURITY PROGRAM MANAGEMENT AND EFFECTIVENESS, A NEWLY HIRED EXPERIENCED SECURITY MANAGER ARRIVED ON SITE JULY 21, 1989, AND SEVERAL INITIATIVES TO ENHANCE SECURITY PERSONNEL MOTIVATION AND WORK ETHICS HAD BEEN ADOPTED.

INSPECTION JULY 1-28 (89-34): THIS ROUTINE RESIDENT INSPECTOR INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATIONS, ENGINEERED SAFETY FEATURES WALKDOWNS, OPERATIONAL SAFETY AND PLANT EVENTS. THERE WAS ONE INSPECTOR FOLLOWUP ITEM, ONE NON-CITED VIOLATION, AND ONE UNRESOLVED ITEM IDENTIFIED AS FOLLOWS: ONE NON-CITED VIOLATION FOR ALLOWING THE 4A ACCUMULATOR LEVEL TO EXCEED UPPER LIMITS; ONE INSPECTOR FOLLOWUP ITEM REGARDING THE RELOCATION OF ONE HPN PHONE AT THE EGF; AND ONE UNRESOLVED ITEM REGARDING THE USE OF PRIMARY CONTAINMENT TEMPERATURES FROM THE SAFETY ASSESSMENT SYSTEM PRIOR TO FINAL QUALIFICATION. ONE CONCERN WAS EXPRESSED TO THE LICENSEE REGARDING THE NEED FOR BETTER DIRECTION IN DETERMINING INSTRUMENTATION OPERABILITY WHEN ONLY TWO INDICATIONS ARE AVAILABLE.

INSPECTION JULY 24-28 (89-35): THIS ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM INVOLVED REVIEW OF ORGANIZATION AND MANAGEMENT CONTROLS, EMPLOYEE TRAINING AND QUALIFICATIONS, EXTERNAL AND INTERNAL EXPOSURE MONITORING AND CONTROLS, RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL, ALARA PROGRAMS, SOLID WASTES, TRANSPORTATION, AND INSPECTOR FOLLOWUP OF NRC INFORMATION NOTICES (IN) AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS. STRENGTHS IN RADIATION PROTECTION AREAS WERE NOTED FOR IMPROVED STAFFING, INCREASED ONSITE FLORIDA POWER AND LIGHT COMPANY (FP&L CO.) TECHNICIANS AND TECHNICAL PERSONNEL; RADIATION PROTECTION EQUIPMENT UPGRADES; REDUCTION OF STORED RADIOACTIVE WASTES; AND PROMPT CORRECTIVE ACTIONS IN RESPONSE TO INTERNAL AUDITS. WEAKNESSES WERE IDENTIFIED IN POOR POSTING OF AREAS CONTAINING POTENTIALLY CONTAMINATED MATERIALS; LACK OF ROOT CAUSE ANALYSES IN AUDITS; HIGH PERCENTAGE OF CONTROLLED AREA MAINTAINED AS CONTAMINATED; AND NUMEROUS FULL-POWER CONTAINMENT ENTRIES BY PERSONNEL. IN ADDITION, CONCERNS WERE NOTED FOR THE SHIPPING AND TRANSPORTATION AREAS AS IDENTIFIED BY SEVERAL NON-CITED VIOLATIONS (NCVS) REVIEWED AND/OR IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO CONTAINMENT. FAILURE TO PROVIDE DETECTION CAPABILITY FOR PROTECTED AND VITAL AREAS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION III, THE REQUIRED 2.0 SECOND OPENING TIME SPECIFIED FOR THE PRESSURIZER POWER OPERATED RELIEF VALVE (PORV) IN THE OVERPRESSURE MITIGATING SYSTEM (OMS) SAFETY EVALUATION REPORT DATED MARCH 14, 1980, WAS NOT INCORPORATED INTO THE LICENSEE'S INSERVICE TESTING PROGRAM. INSTEAD, A NON-CONSERVATIVE ACCEPTANCE CRITERIA OF 15.0 SECONDS WAS USED. THIS RESULTED IN THE UNIT 3 AND 4 PORVS BEING UNABLE TO MAINTAIN REACTOR COOLANT SYSTEM (RCS) PRESSURE BELOW THE 10 CFR 50, APPENDIX B LIMITS, HAD THE MOST LIMITING DESIGN BASIS TRANSIENT OCCURRED. THIS CONDITION EXISTED ON SEVERAL OCCASIONS FROM MAY 1984 TO JUNE 1988, AS EXHIBITED BY A REVIEW OF PORV STROKE TIMING RECORDS. CONTRARY TO TS 6.8.1, ENGRAVED LABEL PLATES WERE REPLACED ON THE UNIT 3 SAFETY INJECTION BLOCK SWITCH WITHOUT FOLLOWING THE REQUIREMENTS OF O-ADM-209, RESULTING IN TWO SEPARATE SAFEGUARD ACTUATIONS WITHIN A 24 HOUR PERIOD.

TURKEY POINT 3 (8902 4)

Report Period AUG 1989

INSPECTION STATUS - (CONTINUED)

* TURKEY POINT 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.

FACILITY ITEMS (PLANS AND PROCEDURES):

PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, 1989 +

INSPECTION REPORT NO: 50-250/89-42 +

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: D. M. BONETT (407) 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

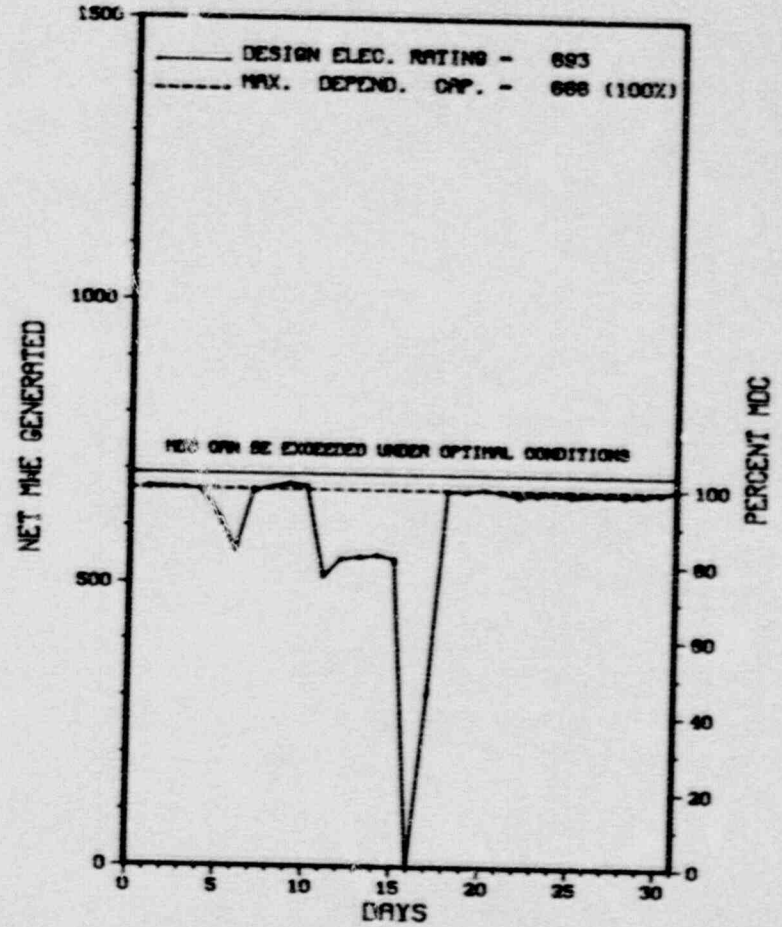
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>140,472.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,951.6</u>	<u>92,180.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>720.1</u>	<u>1,683.2</u>	<u>88,884.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,508,083</u>	<u>3,236,983</u>	<u>187,328,402</u>
18. Gross Elec Ener (MWH)	<u>475,035</u>	<u>1,003,985</u>	<u>59,752,847</u>
19. Net Elec Ener (MWH)	<u>451,295</u>	<u>923,701</u>	<u>56,510,009</u>
20. Unit Service Factor	<u>96.8</u>	<u>28.9</u>	<u>63.3</u>
21. Unit Avail Factor	<u>96.8</u>	<u>28.9</u>	<u>63.3</u>
22. Unit Cap Factor (MDC Net)	<u>91.1</u>	<u>23.8</u>	<u>61.6*</u>
23. Unit Cap Factor (DER Net)	<u>87.5</u>	<u>22.9</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.1</u>	<u>11.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>148.7</u>	<u>10,955.1</u>

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

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	08/11/89	S	0.0	B	5		HA	HTEXCH	POWER WAS REDUCED TO ADJUST FLOW ON MAIN GENERATOR GAS COOLERS.
21	08/16/89	S	23.9	A	1		HA	HTEXCH	THE UNIT WAS SHUTDOWN TO REPAIR MAIN GENERATOR GAS COOLER GASKET. FULL POWER OPERATION WAS DELAYED FOR SECONDARY CHEMISTRY.

 * SUMMARY *

 TURKEY POINT 4 INCURRED ONE SCHEDULED OUTAGE AND ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* TURKEY POINT 4 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE F 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

INSPECTION SUMMARY

INSPECTION STATUS

+ INSPECTION MAY 27 - JUNE 30 (89-27): THIS ROUTINE RESIDENT INSPECTOR INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATIONS, ENGINEERED SAFETY FEATURES WALKDOWNS, OPERATIONAL SAFETY, PLANT EVENTS, UNIT 3 STARTUP FROM AN OUTAGE, UNIT 4 STARTUP FROM REFUELING, AND INSTALLATION AND TESTING OF MODIFICATIONS. BOTH UNITS 3 AND 4 WERE TAKEN CRITICAL AND PUT ON LINE DURING THIS INSPECTION PERIOD. ALSO, UNIT 4 WAS TAKEN OFF LINE, DUE TO A TPCW LEAK WETTING THE GENERATOR EXCITER, AND THEN RETURNED TO POWER. ALL MANIPULATIONS WERE ACCOMPLISHED IN A DELIBERATE AND CONTROLLED MANNER. OPERATIONS EXHIBITED A PROFESSIONAL ATTITUDE IN CONTROLLING THE OPERATION OF THE PLANT. TWO VIOLATIONS, ONE NON-CITED VIOLATION, AND ONE INSPECTOR FOLLOWUP ITEM WERE IDENTIFIED.

INSPECTION JUNE 26-30 (89-32): THIS ROUTINE, UNANNOUNCED INSPECTION ADDRESSED THE AREAS OF POST-REFUELING STARTUP TESTS FOR UNIT 4 AND CORE PERFORMANCE MONITORING, NUCLEAR INSTRUMENT CALIBRATIONS, AND THERMAL POWER MONITORING FOR UNIT 3. THE UNIT 4, CYCLE 12 INITIAL CRITICALITY WAS PERFORMED IN A CONSERVATIVE, WELL-CONTROLLED MANNER. FIVE POTENTIAL IMPROVEMENTS TO THE PROCEDURE USED WERE IDENTIFIED. ALL ZERO POWER PHYSICS TESTS MET THE NUMERICAL ACCEPTANCE CRITERIA, AND THE BASIC TEST METHODS WERE GOOD AND YIELDED CONVINCING RESULTS. THE TESTS COULD HAVE BEEN IMPROVED BY BETTER ANNOTATION OF REACTIVITY COMPUTER CHART SPACES, INDEPENDENT EVALUATION OF TEST RESULTS, AND BY ADDITION OF AN ACCEPTANCE CRITERION FOR INTERNAL AGREEMENT OF AMONG ITC MEASUREMENTS. THE OTHER ACCEPTANCE CRITERIA INVOKED WERE CONSISTENT WITH ANSI/ANS-19.6-1985, RELOAD STARTUP PHYSICS REQUIREMENTS FOR PRESSURIZED WATER REACTORS. THE PLANT REACTOR ENGINEERING STAFF RESPONSE TO NRC INITIATIVES HAS BEEN EXCELLENT. PAST OBSERVATIONS IN NRC INSPECTION REPORTS ON THE PERFORMANCE OF ZERO POWER PHYSICS TESTS BOTH AT TURKEY POINT AND ST. LUCIE HAVE BEEN INCORPORATED INTO THE CURRENT TEST PROCEDURES. RESPONSE AT THE CORPORATE LEVEL TO NRC INITIATIVES HAS BEEN POOR. THE PLANT WAS MADE AWARE OF THE EXCESSIVE POST-TRIP COOLDOWN AND CONCOMITANT REDUCTION IN SHUTDOWN MARGIN AT SEQUOYAH NEARLY A YEAR AGO.

INSPECTION SUMMARY

CORPORATE FUEL RESOURCES WAS REQUESTED TO PROVIDE ANALYSIS AND GUIDANCE BY TURKEY POINT, AND IS NOW FOUR MONTHS OVERDUE IN ITS RESPONSE. THE PLANT HAS YET TO DEMAND ACTION, BUT PLANT MANAGEMENT AGREED TO PURSUE THE ISSUE. NEITHER UNIT WILL HAVE MUCH EXTRA SHUTDOWN MARGIN AT THE END OF ITS CURRENT CYCLE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 17-21 (89-33): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; AND PERSONNEL TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS. IN ADDITION, THE PHYSICAL SECURITY SECTION CHIEF AND THE INSPECTOR PARTICIPATED WITH THE NRR REACTOR SECURITY SPECIALIST IN DISCUSSIONS WITH LICENSEE MANAGEMENT CONCERNING THE STATUS OF THE PROGRAMMED SECURITY SYSTEM UPGRADE AND RESOLUTION OF THE LONG STANDING VITAL BARRIER ISSUE. THE SECURITY SECTION CHIEF AND INSPECTOR ALSO ATTENDED THE BI-MONTHLY NRC-FP&L MANAGEMENT MEETING. THE STATUS OF THE SECURITY UPGRADE/ENHANCEMENT PROGRAM WAS DISCUSSED. OBSERVATIONS AND INSPECTION RESULTS CONFIRMED THAT LICENSEE EFFORTS TO UPGRADE SECURITY SYSTEMS AND FACILITIES AND TO IMPROVE THE EFFECTIVENESS AND PERFORMANCE OF SECURITY PERSONNEL WERE ONGOING AND SOME INDICATION OF IMPROVEMENT IN PERSONNEL PERFORMANCE WAS NOTED. ENGINEERING STUDIES, DESIGN AND SCHEDULING ACTIVITIES RELATING TO THE SECURITY PROGRAM UPGRADE HAD BEEN COMPLETED. HOWEVER, CONSTRUCTION AND INSTALLATION EFFORTS HAD NOT BEEN INITIATED. WITH REGARD TO SECURITY PROGRAM MANAGEMENT AND EFFECTIVENESS, A NEWLY HIRED EXPERIENCED SECURITY MANAGER ARRIVED ON SITE JULY 21, 1989, AND SEVERAL INITIATIVES TO ENHANCE SECURITY PERSONNEL MOTIVATION AND WORK ETHICS HAD BEEN ADOPTED.

INSPECTION JULY 1-28 (89-34): THIS ROUTINE RESIDENT INSPECTOR INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATIONS, MONTHLY MAINTENANCE OBSERVATIONS, ENGINEERED SAFETY FEATURES WALKDOWNS, OPERATIONAL SAFETY AND PLANT EVENTS. THERE WAS ONE INSPECTOR FOLLOWUP ITEM, ONE NON-CITED VIOLATION, AND ONE UNRESOLVED ITEM IDENTIFIED AS FOLLOWS: ONE NON-CITED VIOLATION FOR ALLOWING THE 4A ACCUMULATOR LEVEL TO EXCEED UPPER LIMITS; ONE INSPECTOR FOLLOWUP ITEM REGARDING THE RELOCATION OF ONE HPN PHONE AT THE EOF; AND ONE UNRESOLVED ITEM REGARDING THE USE OF PRIMARY CONTAINMENT TEMPERATURES FROM THE SAFETY ASSESSMENT SYSTEM PRIOR TO FULL QUALIFICATION. ONE CONCERN WAS EXPRESSED TO THE LICENSEE REGARDING THE NEED FOR BETTER DIRECTION IN DETERMINING INSTRUMENTATION OPERABILITY WHEN ONLY TWO INDICATIONS ARE AVAILABLE.

INSPECTION JULY 24-28 (89-35): THIS ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM INVOLVED REVIEW OF ORGANIZATION AND MANAGEMENT CONTROLS, EMPLOYEE TRAINING AND QUALIFICATIONS, EXTERNAL AND INTERNAL EXPOSURE MONITORING AND CONTROLS, RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL, ALARA PROGRAMS, SOLID WASTES, TRANSPORTATION, AND INSPECTOR FOLLOWUP OF NRC INFORMATION NOTICES (INS) AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS. STRENGTHS IN RADIATION PROTECTION AREA, WERE NOTED FOR IMPROVED STAFFING, INCREASED ONSITE FLORIDA POWER AND LIGHT COMPANY (FP&L CO.) TECHNICIANS AND TECHNICAL PERSONNEL; RADIATION PROTECTION EQUIPMENT UPGRADES; REDUCTION OF STORED RADIOACTIVE WASTES; AND PROMPT CORRECTIVE ACTIONS IN RESPONSE TO INTERNAL AUDITS. WEAKNESSES WERE IDENTIFIED IN POOR POSTING OF AREAS CONTAINING POTENTIALLY CONTAMINATED MATERIALS; LACK OF ROOT CAUSE ANALYSES IN AUDITS; HIGH PERCENTAGE OF CONTROLLED AREA MAINTAINED AS CONTAMINATED; AND NUMEROUS FULL-POWER CONTAINMENT ENTRIES BY PERSONNEL. IN ADDITION, CONCERNS WERE NOTED FOR THE SHIPPING AND TRANSPORTATION AREAS AS IDENTIFIED BY SEVERAL NON-CITED VIOLATIONS (NCVS) REVIEWED AND/OR IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO CONTAINMENT. FAILURE TO PROVIDE DETECTION CAPABILITY FOR PROTECTED AND VITAL AREAS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION III, THE REQUIRED 2.0 SECOND OPENING TIME SPECIFIED FOR THE PRESSURIZER POWER OPERATED RELIEF VALVE (PORV) IN THE OVERPRESSURE MITIGATING SYSTEM (OMS) SAFETY EVALUATION REPORT DATED MARCH 14, 1980, WAS NOT INCORPORATED INTO THE LICENSEE'S INSERVICE TESTING PROGRAM. INSTEAD, A NON-CONSERVATIVE ACCEPTANCE CRITERIA OF 15.0 SECONDS WAS USED. THIS RESULTED IN THE UNIT 3 AND 4 PORVS BEING UNABLE TO MAINTAIN REACTOR COOLANT SYSTEM (RCS) PRESSURE BELOW THE 10 CFR 50, APPENDIX G LIMITS, HAD THE MOST LIMITING DESIGN BASIS TRANSIENT OCCURRED. THIS CONDITION EXISTED ON SEVERAL OCCASIONS FROM MAY 1984 TO JUNE 1988, AS EXHIBITED BY A REVIEW OF PORV STROKE TIMING RECORDS. CONTRARY TO TS 6.8.1, ENGRAVED LABEL PLATES WERE REPLACED ON THE UNIT 3 SAFETY INJECTION BLOCK SWITCH WITHOUT FOLLOWING THE REQUIREMENTS OF O-ADM-209, RESULTING IN TWO SEPARATE SAFEGUARD ACTUATIONS WITHIN A 24 HOUR PERIOD.

TURKEY POINT 4 (8902 4)

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: G. A. WALLIN (802) 257-7711 X2272

4. Licensed Thermal Power (Mwt): 1593

5. Nameplate Rating (Gross MWe): 540

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

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

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

11. Reasons for Restrictions, If Any:
NONE

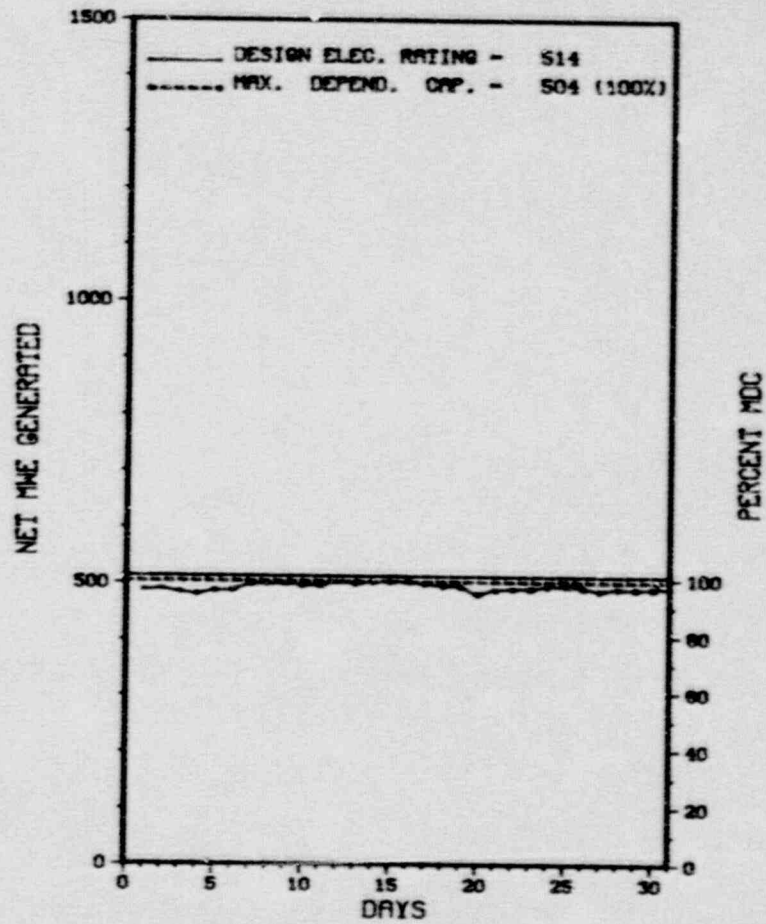
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>148,537.8</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,487.2</u>	<u>117,736.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,444.6</u>	<u>115,068.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,182,481</u>	<u>6,725,915</u>	<u>169,422,612</u>
18. Gross Elec Ener (MWH)	<u>390,892</u>	<u>2,244,354</u>	<u>56,406,725</u>
19. Net Elec Ener (MWH)	<u>367,590</u>	<u>2,131,695</u>	<u>53,540,617</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.2</u>	<u>77.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.2</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>72.5</u>	<u>71.5</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>71.1</u>	<u>70.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,858.5</u>

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

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

* V E R M O N T Y A N K E E 1 *

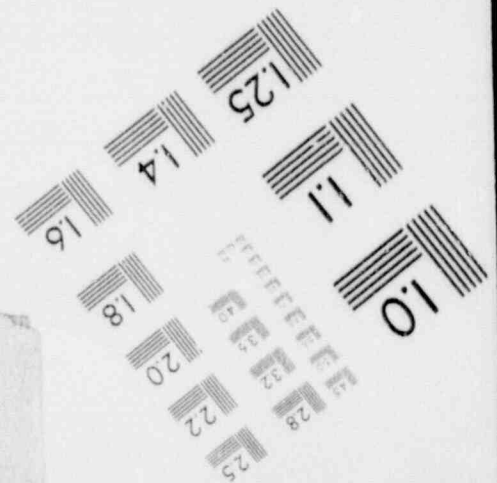
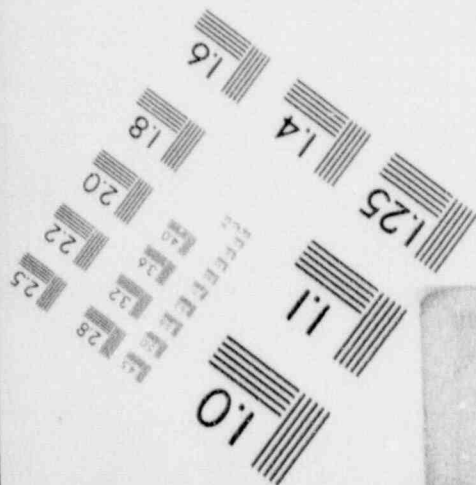
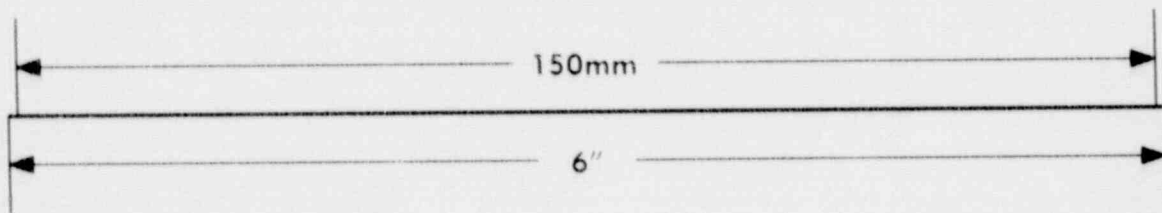
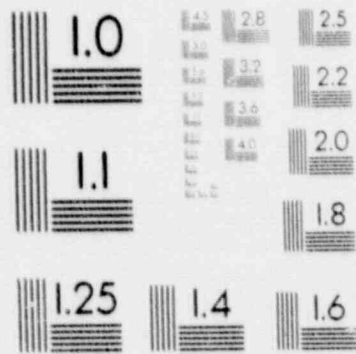
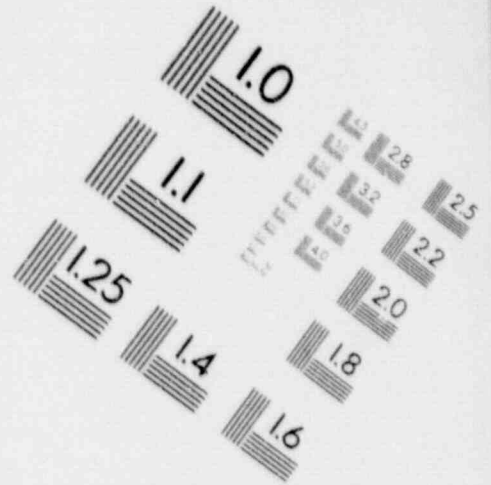
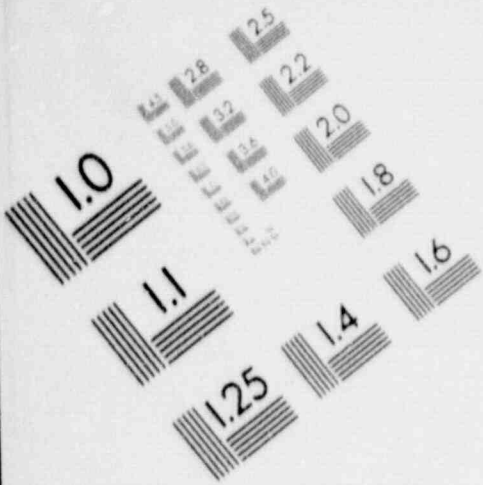
AVERAGE DAILY POWER LEVEL (MWe) PLOT
VERMONT YANKEE 1



AUGUST 1989

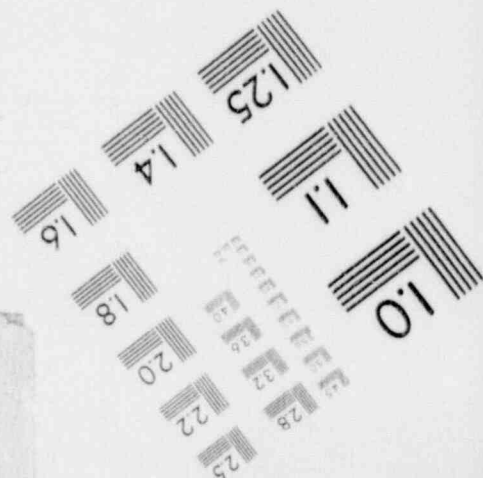
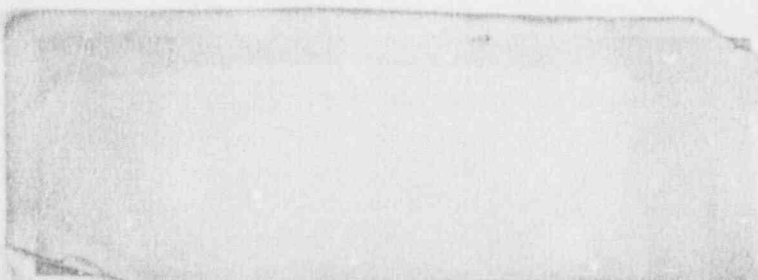
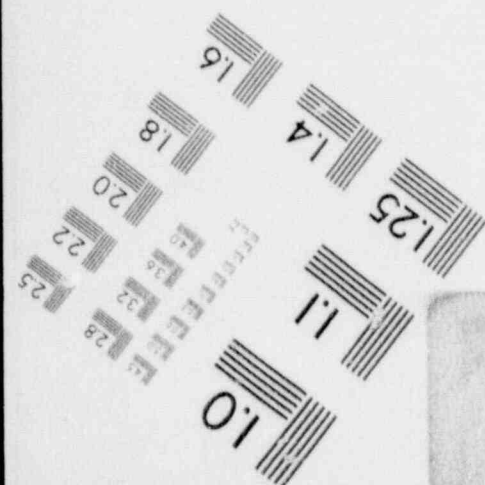
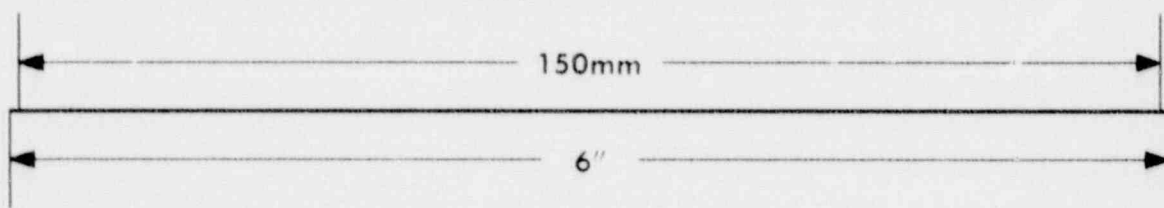
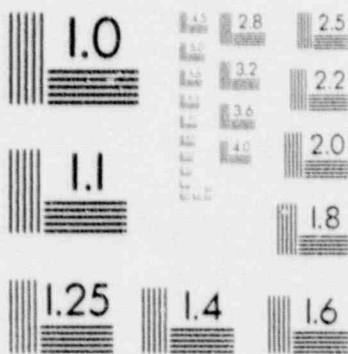
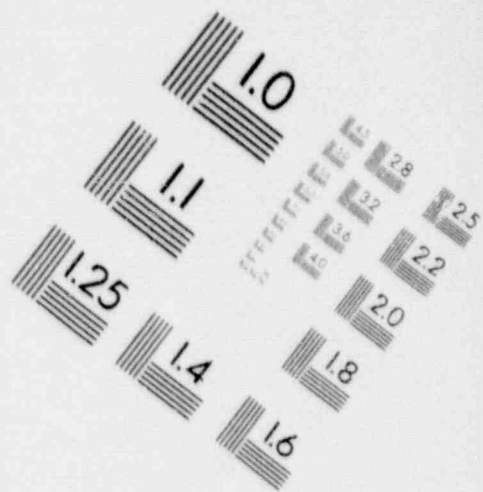
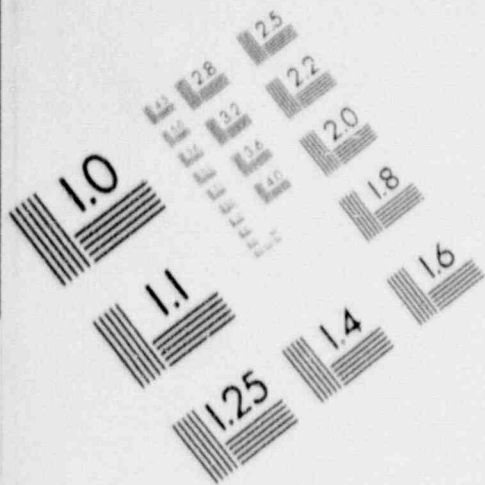
1

IMAGE EVALUATION TEST TARGET (MT-3)



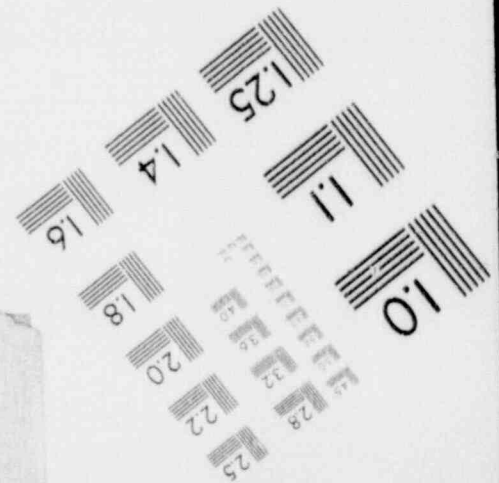
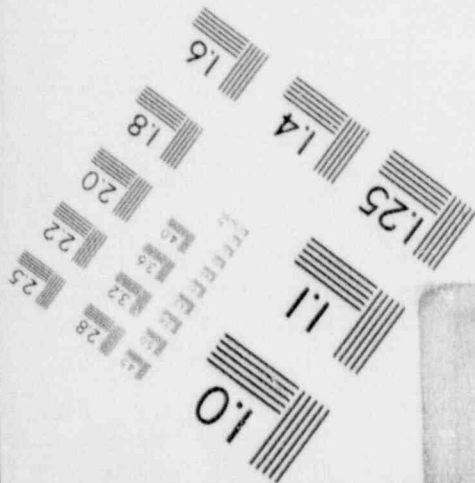
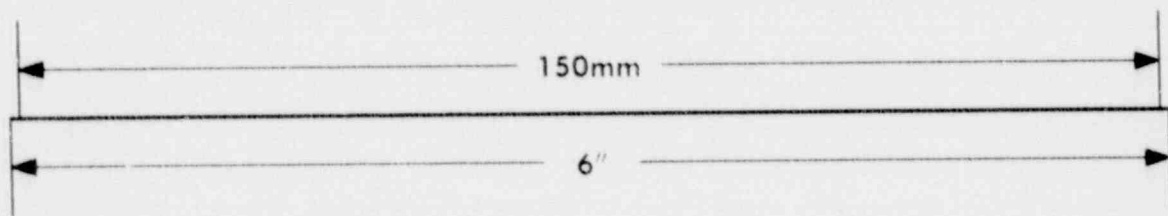
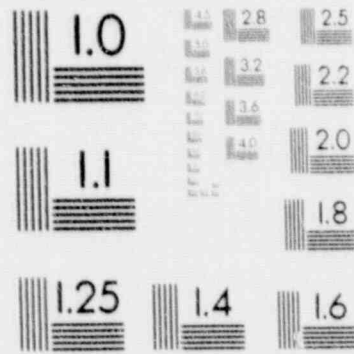
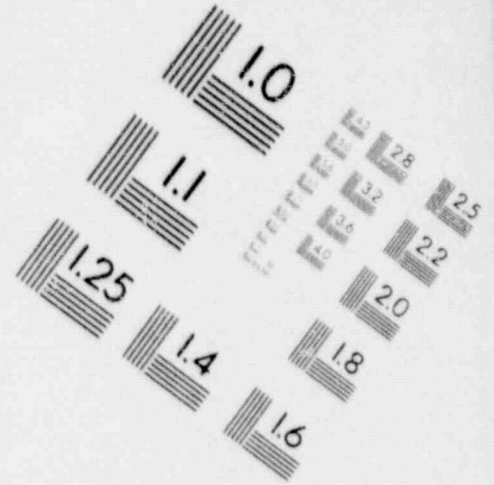
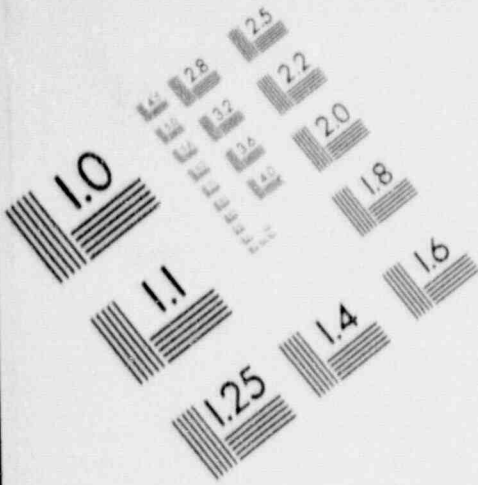
1

IMAGE EVALUATION TEST TARGET (MT-3)



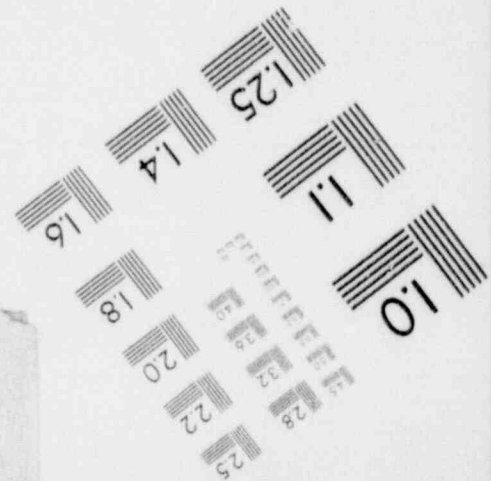
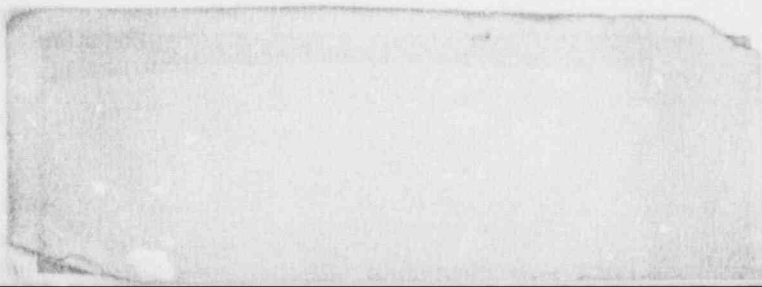
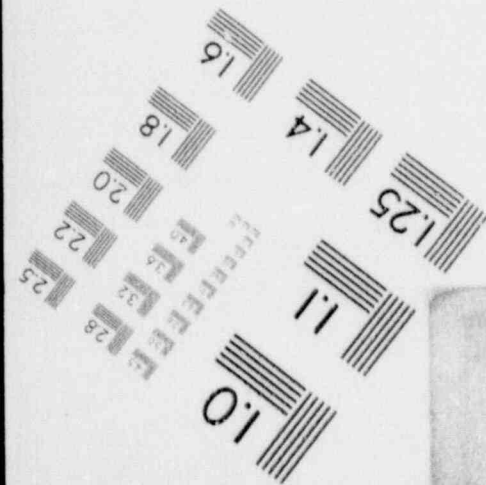
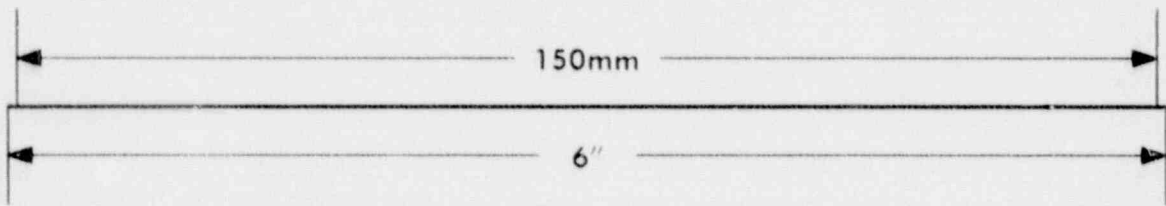
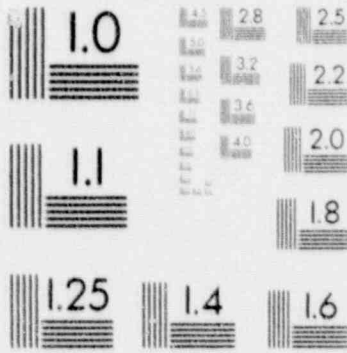
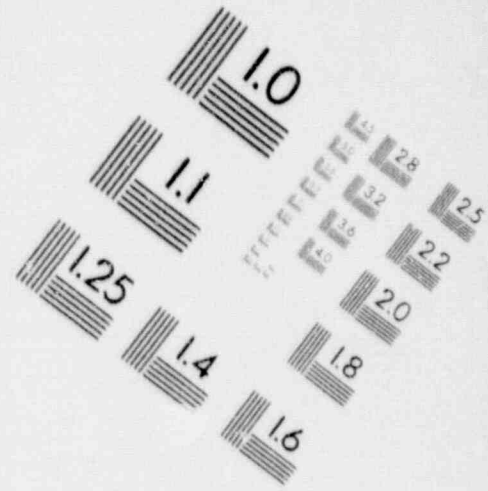
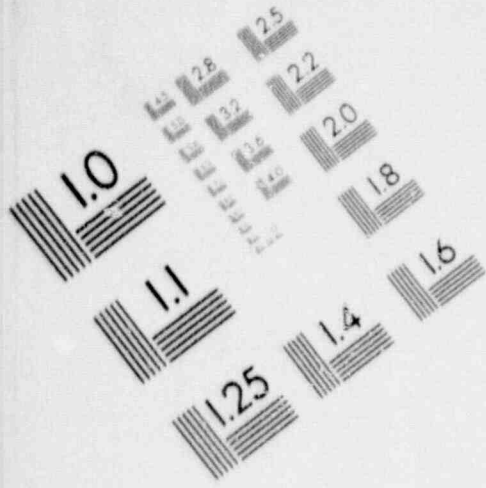
1

IMAGE EVALUATION TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)



Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

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

NONE

* SUMMARY *

VERMONT YANKEE OPERATED ROUTINELY DURING AUGUST 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)

* VERMONT YANKEE 1 *

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

Report Period AUG 1989

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.....M. FAIRTILE
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.

1. Docket: 50-424 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: R.A. MOYE (404) 724-8114 X3212

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1148

6. Design Electrical Rating (Net MWe): 1101

7. Maximum Dependable Capacity (Gross MWe): 1137

8. Maximum Dependable Capacity (Net MWe): 1083

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>19,752.0</u>
13. Hours Reactor Critical	<u>721.4</u>	<u>5,570.9</u>	<u>16,441.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>715.5</u>	<u>5,453.3</u>	<u>15,945.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,286,024</u>	<u>18,037,248</u>	<u>52,468,295</u>
18. Gross Elec Ener (MWH)	<u>743,020</u>	<u>5,968,390</u>	<u>17,358,370</u>
19. Net Elec Ener (MWH)	<u>705,130</u>	<u>5,666,640</u>	<u>16,378,770</u>
20. Unit Service Factor	<u>96.2</u>	<u>93.5</u>	<u>80.7</u>
21. Unit Avail Factor	<u>96.2</u>	<u>93.5</u>	<u>80.7</u>
22. Unit Cap Factor (MDC Net)	<u>87.5</u>	<u>89.7</u>	<u>76.6</u>
23. Unit Cap Factor (DER Net)	<u>86.1</u>	<u>88.3</u>	<u>75.3</u>
24. Unit Forced Outage Rate	<u>3.8</u>	<u>6.5</u>	<u>12.2</u>
25. Forced Outage Hours	<u>28.5</u>	<u>377.7</u>	<u>2,221.6</u>

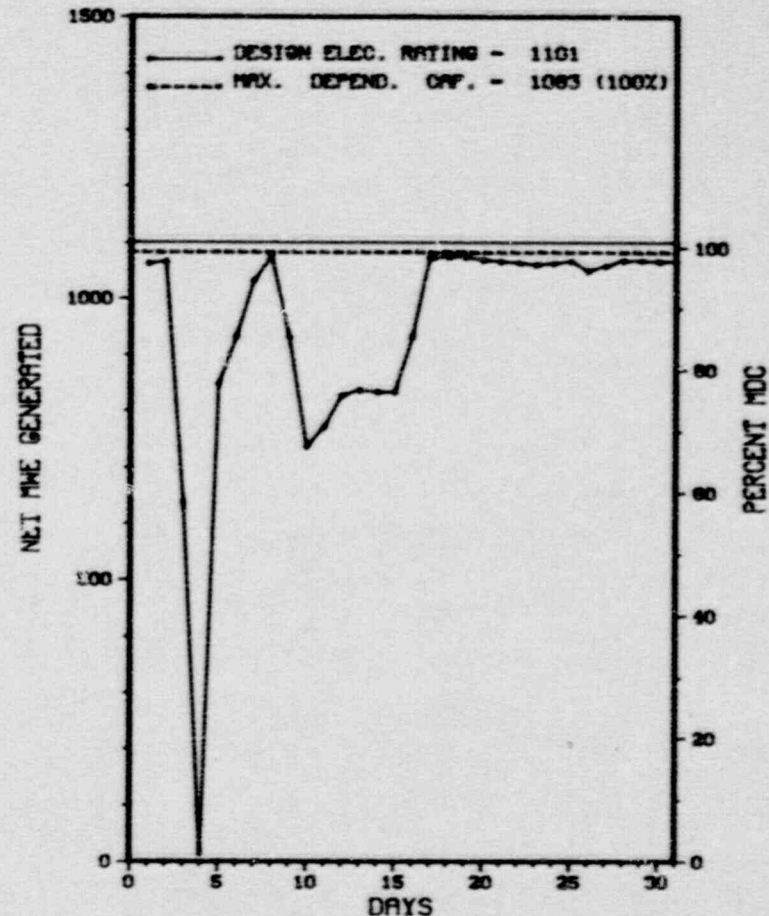
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEB 23, 1990 - 45 DAY DURATION.

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

* V O G T L E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

V O G T L E 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * VOGTLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-8	08/03/89	F	28.5	A	2	89-16-1	SJ	ISV	LOOP 4 MFIV 1HV-5230 FAILED CLOSED. THE REACTOR WAS MANUALLY TRIPPED DUE TO ANTICIPATED INABILITY TO MAINTAIN STEAM GENERATOR LEVEL.
89-9	08/09/89	F	0.0	H	5		KE	P	DURING NORMAL ROUNDS OUTSIDE AREA OPERATOR NOTED EXCESSIVE VIBRATION IN CIRCULATING WATER PUMP 1-1401-P4-001. REACTOR POWER REDUCED TO REMOVE PUMP FROM SERVICE TO INVESTIGATE CAUSE.

 * SUMMARY *

 VOGTLE 1 INCURRED ONE FORCED OUTAGE AND ONE FORCED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* VOGTLE 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....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 PRDJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-424
LICENSE & DATE ISSUANCE...NPF-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 JULY 25-27 (89-21): THIS ROUTINE, ANNOUNCED INSPECTION WAS THE OBSERVATION AND EVALUATION OF THE ANNUAL EMERGENCY EXERCISE. OFFSITE PARTICIPATION CONSISTED OF THE STATES AND COUNTIES PARTICIPATING FOR COMMUNICATIONS ONLY, WITH THE EXCEPTION OF BURKE COUNTY WHICH PARTICIPATED FULLY FOR TRAINING PURPOSES ONLY. THREE NRC INSPECTORS OBSERVED SELECTED PORTIONS OF THE STAFFING AND RESPONSE OF EMERGENCY ORGANIZATION PERSONNEL IN THE SIMULATOR, TECHNICAL SUPPORT CENTER, OPERATIONAL SUPPORT CENTER, AND THE EMERGENCY OPERATIONS FACILITY. BASED UPON THE SCENARIO USED AND THE RESPONSE OBSERVED THERETO, THE LICENSEE SUCCESSFULLY DEMONSTRATED THE CAPABILITY OF THE STAFF TO PERFORM IN ACCORDANCE WITH THE EMERGENCY PREPAREDNESS PLANS AND PROCEDURES TO ADEQUATELY PROVIDE FOR THE HEALTH AND SAFETY OF THE PUBLIC. AN EXERCISE WEAKNESS WAS IDENTIFIED FOR FAILURE TO MAKE TIMELY GENERAL EMERGENCY CLASSIFICATION AND PROTECTIVE ACTION RECOMMENDATIONS. ADDITIONAL SHORTCOMINGS ADDRESSED INACCURATE AND INCOMPLETE NOTIFICATIONS AND THE FAILURE OF THE EXERCISE STAFF TO CONDUCT A SUFFICIENTLY CRITICAL CRITIQUE OF LICENSEE PERFORMANCE DURING THE EXERCISE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-425 OPERATING STATUS
 2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0
 3. Utility Contact: R.A.MOYE (404) 724-8114 X3212
 4. Licensed Thermal Power (Mwt): 3411
 5. Nameplate Rating (Gross MWe): 1148
 6. Design Electrical Rating (Net MWe): 1101
 7. Maximum Dependable Capacity (Gross MWe): 1137
 8. Maximum Dependable Capacity (Net MWe): 1083
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,496.0</u>	<u>2,496.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,432.3</u>	<u>2,432.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,386.0</u>	<u>2,386.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,526,703</u>	<u>8,047,580</u>	<u>8,047,580</u>
18. Gross Elec Ener (MWH)	<u>851,960</u>	<u>2,699,881</u>	<u>2,699,881</u>
19. Net Elec Ener (MWH)	<u>815,580</u>	<u>2,578,511</u>	<u>2,578,511</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.6</u>	<u>95.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.6</u>	<u>95.6</u>
22. Unit Cap Factor (MDC Net)	<u>101.2</u>	<u>95.4</u>	<u>95.4</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>93.8</u>	<u>93.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>2.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>52.9</u>	<u>52.9</u>

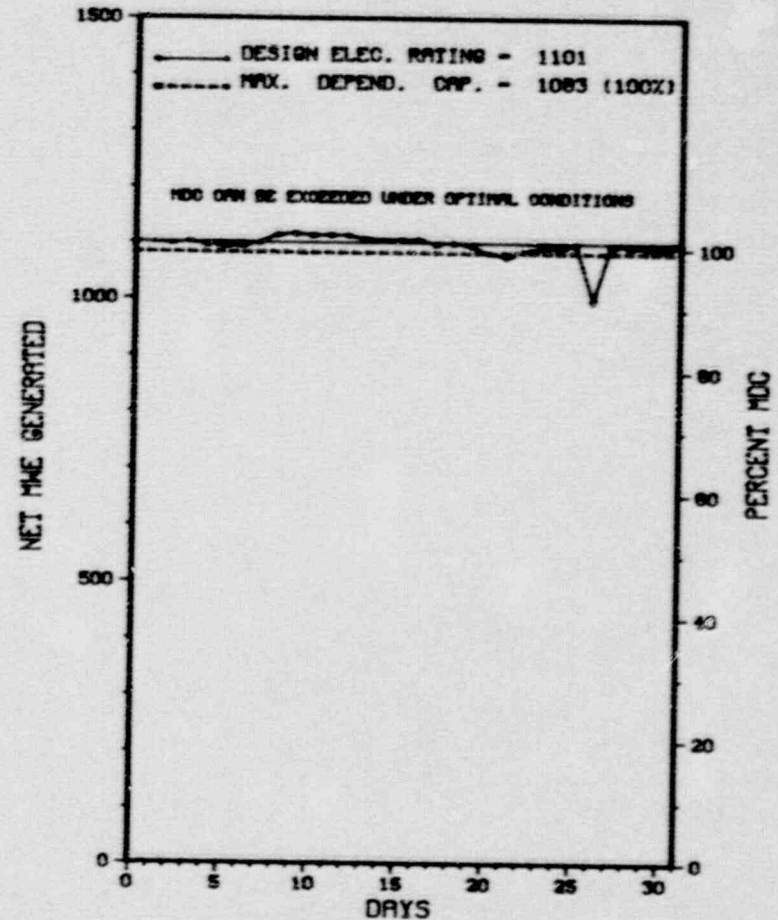
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

MAINTENANCE - OCT 6, 1989 - 5 DAY DURATION.

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

 * VOGTLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 VOGTLE 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* VOGTLE 2 *

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

NONE

* SUMMARY *

VOGTLE 2 OPERATED ROUTINELY DURING AUGUST 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)

* VOGTLE 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....BURKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SSE OF
AUGUSTA, GA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 28, 1989
DATE ELEC ENER 1ST GENER...APRIL 10, 1989
DATE COMMERCIAL OPERATE...MAY 20, 1989
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.....270 PEACHTREE STREET, N.W.
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.....50-425
LICENSE & DATE ISSUANCE...NPF-81, MARCH 31, 1989
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 JULY 25-27 (89-25): THIS ROUTINE, ANNOUNCED INSPECTION WAS THE OBSERVATION AND EVALUATION OF THE ANNUAL EMERGENCY EXERCISE. OFFSITE PARTICIPATION CONSISTED OF THE STATES AND COUNTIES PARTICIPATING FOR COMMUNICATIONS ONLY, WITH THE EXCEPTION OF BURKE COUNTY WHICH PARTICIPATED FULLY FOR TRAINING PURPOSES ONLY. THREE NRC INSPECTORS OBSERVED SELECTED PORTIONS OF THE STAFFING AND RESPONSE OF EMERGENCY ORGANIZATION PERSONNEL IN THE SIMULATOR, TECHNICAL SUPPORT CENTER, OPERATIONAL SUPPORT CENTER, AND THE EMERGENCY OPERATIONS FACILITY. BASED UPON THE SCENARIO USED AND THE RESPONSE OBSERVED THERETO, THE LICENSEE SUCCESSFULLY DEMONSTRATED THE CAPABILITY OF THE STAFF TO PERFORM IN ACCORDANCE WITH THE EMERGENCY PREPAREDNESS PLANS AND PROCEDURES TO ADEQUATELY PROVIDE FOR THE HEALTH AND SAFETY OF THE PUBLIC. AN EXERCISE WEAKNESS WAS IDENTIFIED FOR FAILURE TO MAKE TIMELY GENERAL EMERGENCY CLASSIFICATION AND PROTECTIVE ACTION RECOMMENDATIONS. ADDITIONAL SHORTCOMINGS ADDRESSED INACCURATE AND INCOMPLETE NOTIFICATIONS AND THE FAILURE OF THE EXERCISE STAFF TO CONDUCT A SUFFICIENTLY CRITICAL CRITIQUE OF LICENSEE PERFORMANCE DURING THE EXERCISE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

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): 766

11. Reasons for Restrictions, If Any: _____

"B" REACTOR FEEDWATER PUMP OUT OF SERVICE.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>41,335.2</u>
13. Hours Reactor Critical	<u>582.5</u>	<u>4,111.3</u>	<u>30,329.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>340.4</u>
15. Hrs Generator On-Line	<u>552.1</u>	<u>3,950.5</u>	<u>29,115.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>381.7</u>
17. Gross Therm Ener (MWH)	<u>1,383,127</u>	<u>10,807,626</u>	<u>79,918,831</u>
18. Gross Elec Ener (MWH)	<u>453,600</u>	<u>3,552,670</u>	<u>26,586,170</u>
19. Net Elec Ener (MWH)	<u>431,291</u>	<u>3,397,475</u>	<u>25,565,783</u>
20. Unit Service Factor	<u>74.2</u>	<u>67.7</u>	<u>70.4</u>
21. Unit Avail Factor	<u>74.2</u>	<u>67.7</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>52.9</u>	<u>53.2</u>	<u>56.5</u>
23. Unit Cap Factor (DER Net)	<u>52.7</u>	<u>53.0</u>	<u>56.2</u>
24. Unit Forced Outage Rate	<u>25.8</u>	<u>6.5</u>	<u>9.2</u>
25. Forced Outage Hours	<u>191.9</u>	<u>275.6</u>	<u>2,967.2</u>

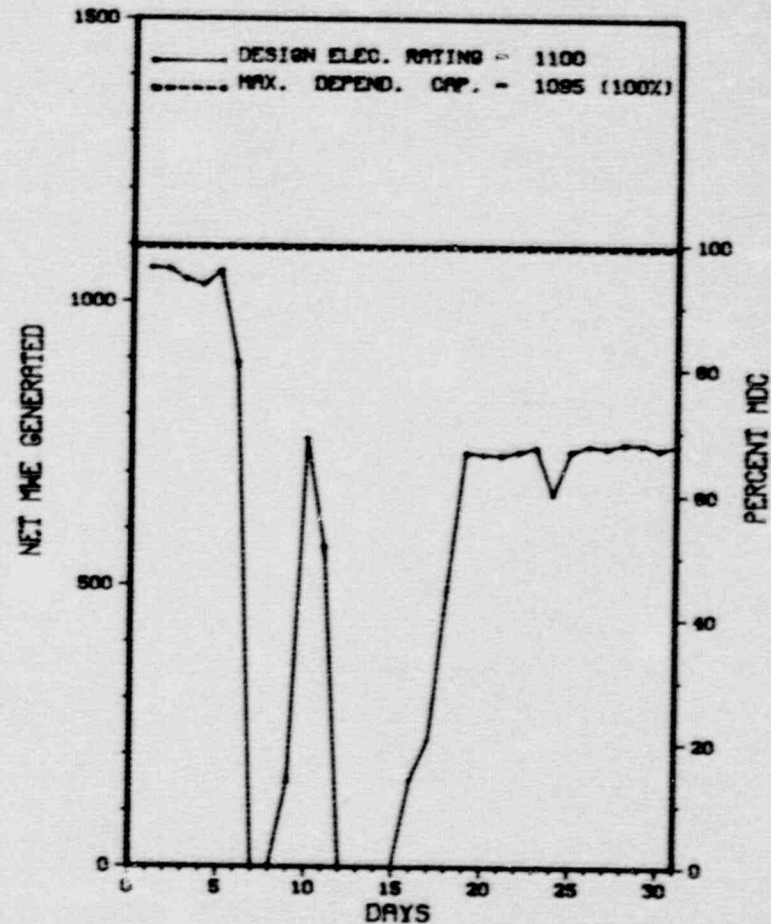
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 WASHINGTON NUCLEAR 2



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-09	08/06/89	F	59.6	A	3	89-031	CH	TURBIN	REACTOR SCRAM FROM 100% POWER ON LOW RPV LEVEL. INITIATED BY TRIP OF "B" REACTOR FEEDWATER DRIVE TURBINE ON LOW LUBE OIL PRESSURE DURING TESTING OF BACKUP OIL PUMPS.
89-10	08/11/89	F	115.0	F	1	89-034	EB	ELECON	PLANT WAS SHUTDOWN TO RESOLVE AND CORRECT ELECTRICAL FUSE COORDINATION AND SEPARATION ISSUES ON SAFETY RELATED LOW VOLTAGE MOTOR CONTROL CENTERS.
89-11	08/17/89	F	17.3	G	3	89-035	IA	INSTRU	REACTOR SCRAM FROM 67% POWER DUE TO INADVERTENT ACTUATION OF AN RPV LOW LEVEL SWITCH DURING EXECUTION OF A TECH SPEC SURVEILLANCE.

 * SUMMARY *

 WASHINGTON NUCLEAR 2 INCURRED 3 FORCED OUTAGES DURING AUGUST AS DESCRIBED ABOVE. THE UNIT WAS LIMITED TO 71% POWER AFTER AUGUST 17 DUE TO REPAIR OF "B" RFW PUMP.

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

* WASHINGTON NUCLEAR 2 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON
COUNTY.....BENTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI. NW OF
RICHLAND, WASH.
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 19, 1984
DATE ELEC ENER 1ST GENER...MAY 27, 1984
DATE COMMERCIAL OPERATE...DECEMBER 13, 1984
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MECHANICAL TOWERS
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....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

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

INSPECTION SUMMARY

- + INSPECTION ON JUNE 1, 1988 - MAY 31, 1989 (REPORT NO. 50-397/89-16) SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE; SENT TO HEADQUARTERS ON JULY 24, 1989.
 - + INSPECTION ON AUGUST 6 - 12, 1989 (REPORT NO. 50-397/89-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
 - + INSPECTION ON JULY 10 - 14, 1989 (REPORT NO. 50-397/89-20) AREAS INSPECTED: ROUTINE UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LIQUIDS AND LIQUID WASTES, RADIOACTIVE WASTE MANAGEMENT, ALARA, AND FOLLOW-UP OF OPEN AND UNRESOLVED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: OF THE FOUR AREAS ADDRESSED, NO VIOLATIONS WERE IDENTIFIED IN TWO AREAS. IN ONE AREA, A VIOLATION OF TECHNICAL SPECIFICATION 6.5.2 WAS IDENTIFIED, REGARDING AUDIT OF PERSONNEL PERFORMANCE, TRAINING, AND QUALIFICATIONS. IN ANOTHER AREA, ONE VIOLATION OF DEPARTMENT OF TRANSPORTATION REQUIREMENTS PURSUANT TO 49 CFR 173, REGARDING PACKAGING WAS IDENTIFIED. A NON-CITED VIOLATION WAS ALSO IDENTIFIED, RELATED TO A SHIPMENT MANIFEST ERROR. OVERALL, THE LICENSEE'S PROGRAMS APPEARED CAPABLE OF MEETING THEIR SAFETY OBJECTIVES.
- + INSPECTION ON JULY 10 - AUGUST 20, 1989 (REPORT NO. 50-397/89-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
 - + INSPECTION ON OCTOBER 2 - 5, 1989 (REPORT NO. 50-397/89-24) INSPECTION TO BE CONDUCTED IN OCTOBER, 1989.

Report Period AUG 1989

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

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

- + INSPECTION ON AUGUST 21 - 25, 1989 (REPORT NO. 50-397/89-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 8, 1989 (REPORT NO. 50-397/89-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 21 - OCTOBER 1, 1989 (REPORT NO. 50-397/89-27) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

A NUMBER OF SHUTDOWN COOLING SYSTEM AUTOMATIC ISOLATIONS OCCURRED DURING THE REFUELING OUTAGE. THE PRIMARY CORRECTIVE ACTIONS FOR THESE ISOLATIONS WERE ADDITIONAL PERSONNEL AND PROCEDURE CONTROLS, AND INCREASE IN RELIABILITY OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT WAS RESTARTED ON JUNE 25, 1989, AFTER COMPLETION OF THE CYCLE 4 REFUELING. DURING THE STARTUP, A REACTOR SCRAM OCCURRED WHILE PERFORMING A TRIP TEST ON THE MAIN TURBINE. THE CAUSE WAS DETERMINED TO BE AN INADEQUATE PROCEDURE FOR TESTING THE TURBINE. THE PROBLEM WAS CORRECTED AND THE REACTOR WAS RESTARTED ON JUNE 30, 1989.

LAST IE SITE INSPECTION DATE: 10/02 - 10/05+

INSPECTION REPORT NO: 50-397/89-24+

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
89-02-L0	01-30-89	02-28-89	REACTOR SCRAM DUE TO SHORTED MAIN TRANSFORMER OUTPUT LINE INSULATOR
89-10-L0	05-01-89	05-26-89	PARTIAL NUCLEAR STEAM SUPPLY SHUTOFF SYS ACTUATION DUE LOSS OF POWER TO REACTOR PROT SYS BUS "A"
89-11-L0	- -	- -	MISSING LIMITORQUE MOTOR OPERATOR TORQUE SWITCH BYPASS JUMPERS DUE TO PLAN DESIGN BASIS DOCUMENTATION
89-12-L0	- -	- -	REACTOR SCRAM DURING REACTOR PROTEC SYS LOGIC FUN TEST PLANT WAS SHUTDOWN INADEQ PROCEDURE
89-13-L0	- -	- -	POTENTIAL INOP OF REDUNDANT 120-VOL SAFETY RELATED DEVICES DUE TO REGRADED GRID VOLTAGE CONDITIONS
89-14-89	05-09-89	05-26-89	REACTOR PROTEC SYS ACTUATION CAUSED BY AVERAGE POWER RANGE MONITOR HIGH POWER TRIPS DUE TO PLANT DESIGN
89-15-L0	- -	- -	HPCS SYS THREE-QUARTER-INCH LINE BREAK DURING SURV TESTING WHILE PLANT WAS SHUTDOWN COMP FAILURE
89-16-L0	- -	- -	ESF SYS ACTUATION CAUSED BY INADV FUSE REMOVAL & LOSS OF POWER INADEQ LABEL/TRAINING/PERSONNEL/ERROR
89-17-L0	- -	- -	RESIDUAL HEAT REMOVAL SYS SHUTDOWN COOLING CONTAINMENT ISOLATION VALVE CLOSURE DUE PERSONNEL ERROR
89-18-L0	- -	- -	ESF ISOLATIONS & ACTUATIONS DUE TO FAILURE OF RPS MOTOR-GENERATOR SET-COMPONENT FAILURE
89-19-L0	- -	- -	RESIDUAL HEAT REMOVAL SHUTDOWN COOLING CONTAINMENT ISOLATION VALVE CLOSURE DUE TO PERSONNEL ERROR
89-20-L0	- -	- -	RESIDUAL HEAT REMOVAL SHUTDOWN COOLING CONTAINMENT ISOLATION VALVE CLOSURES DUE TO PROCEDURES INDEQ
89-21-L0	- -	- -	ESF ISOLATIONS & ACTUATIONS DUE TO A RPS ELECTRICAL PROTECTION ASSEMBLY BREAKER TRIP-CAUSE UNKNOWN
89-22-L0	- -	- -	LOSS OF SECURITY CONTAINMENT INTEGRITY DURING CORE ALTERATIONS DUE TO UNISOLATABLE LINES
89-23-L0	- -	- -	ESF ISOLATION & ACTUATIONS DUE TO LOSS OF RPS BUS DURING TESTING-PERSONNEL ERROR/PROCEDUAL INADEQUATE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-382 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: PATRICK CENTOLANZI (504) 464-3360

4. Licensed Thermal Power (MWT): 3390

5. Nameplate Rating (Gross MWe): 1200

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:

ITEM NO. 5 REVISED TO MEET DEFINITION IN NUREG-0020.

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>34,512.0</u>
13. Hours Reactor Critical	<u>683.8</u>	<u>5,660.9</u>	<u>28,390.0</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>5,641.8</u>	<u>27,929.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,249,799</u>	<u>18,815,241</u>	<u>90,838,837</u>
18. Gross Elec Ener (MWH)	<u>746,760</u>	<u>6,347,760</u>	<u>30,617,710</u>
19. Net Elec Ener (MWH)	<u>709,456</u>	<u>6,072,140</u>	<u>29,140,983</u>
20. Unit Service Factor	<u>90.7</u>	<u>96.8</u>	<u>80.5</u>
21. Unit Avail Factor	<u>90.7</u>	<u>96.8</u>	<u>80.9</u>
22. Unit Cap Factor (MDC Net)	<u>88.7</u>	<u>96.9</u>	<u>78.5</u>
23. Unit Cap Factor (DER Net)	<u>86.4</u>	<u>94.3</u>	<u>76.5</u>
24. Unit Forced Outage Rate	<u>9.3</u>	<u>3.2</u>	<u>7.0</u>
25. Forced Outage Hours	<u>69.5</u>	<u>189.2</u>	<u>2,108.4</u>

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

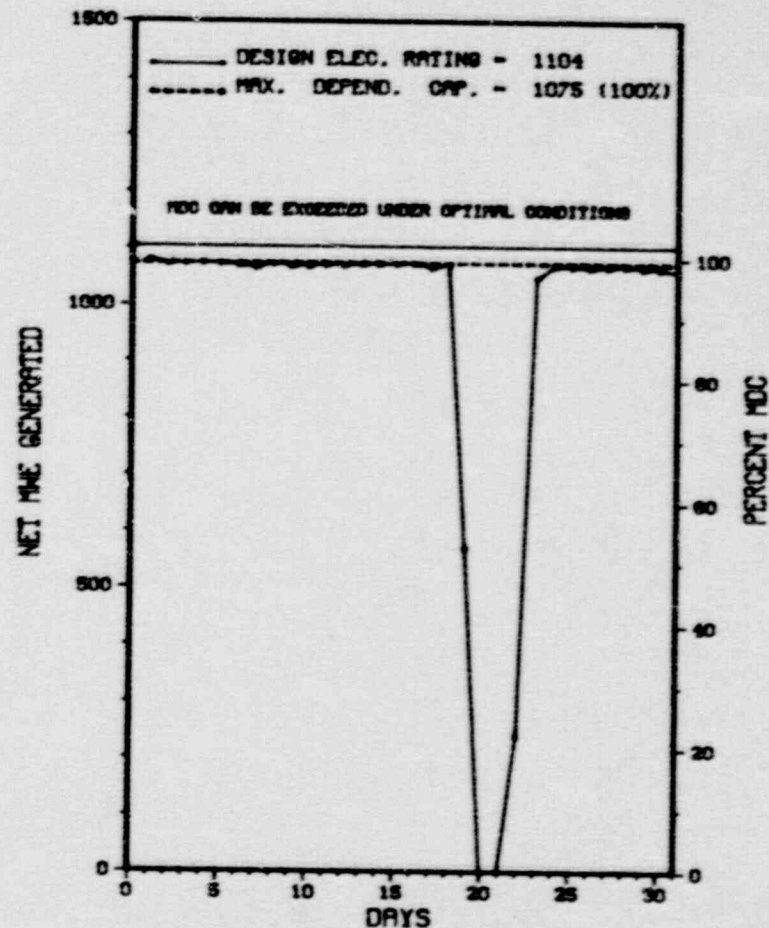
REFUELING - SEPT 22, 1989 - 60 DAY DURATION.

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

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
89-05	08/19/89	F	69.5	A	3	89-017	AA	DRIV	DURING CEA TESTING AT REDUCED POWER, CEA 18 FAILED TO RESPOND TO OUTWARD MOVEMENT SIGNALS. DUE TO THE ROD POSITION DEVIATION, TECH SPECS REQUIRED A POWER REDUCTION WHICH INITIATED A XENON/IODINE TRANSIENT WHICH WAS DIFFICULT TO CONTROL RESULTING IN AN AXIAL SHAPE INDEX (ASI) TRIP.

 * SUMMARY *

 WATERFORD 3 INCURRED ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* WATERFORD 3 *

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

Report Period AUG 1989

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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 JULY 1-31, 1989 (89-22) ROUTINE, UNANNOUNCED INSPECTION OF PLANT STATUS, ONSITE FOLLOWUP OF EVENTS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORT FOLLOWUP, AND BALANCE OF PLANT INSPECTION. ONE VIOLATION WAS IDENTIFIED IN PARAGRAPH 4.E INVOLVING INADEQUATE CORRECTIVE ACTION. IN SEPTEMBER 1988, THE LICENSEE IDENTIFIED MISSING SEISMIC SUPPORTS IN THE CORE PROTECTION CALCULATOR (CPC) CABINETS. CORRECTIVE ACTION INCLUDED INSPECTIONS TO VERIFY THAT SEISMIC SUPPORTS AND FASTENERS WERE INSTALLED IN ALL CONTROL ROOM CABINETS. THIS ACTION WAS APPARENTLY FLAWED, BECAUSE IN JULY 1989 MORE MISSING SEISMIC SUPPORTS WERE IDENTIFIED. THE INSPECTORS REVIEWED LICENSEE ACTION IN RESPONSE TO A PLANT EVENT WHERE THE OPERATORS MANUALLY TRIPPED THE PLANT IN RESPONSE TO EQUIPMENT PROBLEMS CAUSING A LOSS OF STEAM GENERATOR WATER LEVEL CONTROL. OPERATOR ACTION WAS PROMPT AND APPROPRIATE IN RESPONSE TO THE PROBLEM AND NO PROBLEMS WERE FOUND WITH LICENSEE ACTIONS. THE BALANCE OF PLANT (BOP) INSPECTION DID NOT REVEAL ANY WEAKNESSES. APPROPRIATE PROGRAMS APPEARED TO BE IN PLACE, AND BASED ON THE PLANT'S EXCELLENT AVAILABILITY RECORD, THE APPEARANCE OF THE PLANT, AND THE ABSENCE OF LEAKS, THE PROGRAMS APPEARED TO BE SUCCESSFUL TO THE EXTENT OBSERVED BY THE NRC STAFF.

ENFORCEMENT SUMMARY

NONE

* WATERFORD 3

INSPECTION STATUS - (CONTINUED)

Report Period AUG 1989

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 31, 1989

INSPECTION REPORT NO: 50-382/89-22

REPORTS FROM LICENSEE

=====

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

NONE

=====

1. Docket: 50-482 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: M. WILLIAMS (316) 364-8831

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1250

6. Design Electrical Rating (Net MWe): 1170

7. Maximum Dependable Capacity (Gross MWe): 1170

8. Maximum Dependable Capacity (Net MWe): 1135

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>35,014.7</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,786.3</u>	<u>27,370.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>339.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,690.6</u>	<u>26,858.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,534,633</u>	<u>19,173,653</u>	<u>88,745,800</u>
18. Gross Elec Ener (MWH)	<u>865,685</u>	<u>6,647,802</u>	<u>30,817,007</u>
19. Net Elec Ener (MWH)	<u>829,999</u>	<u>6,380,875</u>	<u>29,442,072</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.6</u>	<u>76.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.6</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>96.4</u>	<u>74.1</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>93.5</u>	<u>71.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.9</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>51.2</u>	<u>1,568.2</u>

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

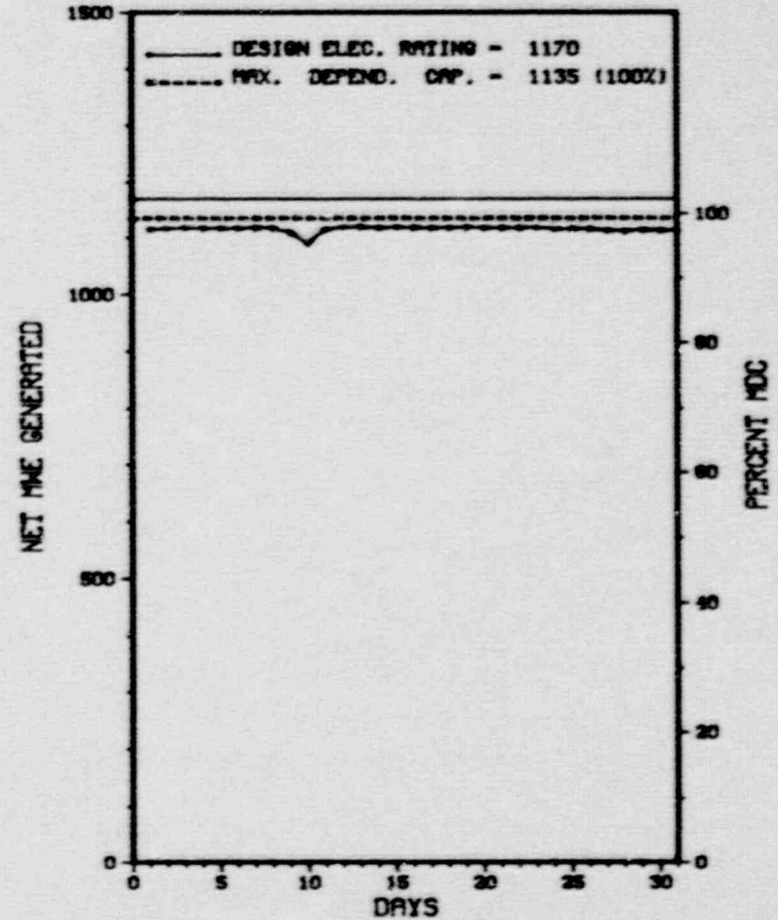
NONE

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

 * WOLF CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* WOLF CREEK 1 *

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

NONE

***** WOLF CREEK OPERATED ROUTINELY DURING AUGUST WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
* 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)

* WOLF CREEK 1 *

FACILITY DATA

Report Period AUG 1989

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.....B. BARTLETT
LICENSING PROJ MANAGER.....D. PICKETT
DOCKET NUMBER.....50-482
LICENSE & DATE ISSUANCE....NPF-42, JUNE 4, 1985
PUBLIC DOCUMENT ROOM.....WILLIAM ALLAN WHITE LIBRARY
GOVERNMENT DOCUMENTS DIVISION
EMPORIA STATE UNIVERSITY
1200 COMMERCIAL STREET
EMPORIA, KANSAS 66801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 1-30/31, 1989 (89-21) ROUTINE, UNANNOUNCED INSPECTION INCLUDING PLANT STATUS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS AND IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS. THE LICENSEE WAS OBSERVED TO PROMPTLY INITIATE A POWER REDUCTION TO REPAIR A VALVE WHICH REPRESENTED A POTENTIAL PERSONNEL HAZARD IF IT HAD BEEN REPAIRED AT POWER (PARAGRAPHS 2 AND 6). THE INSPECTOR IDENTIFIED A CONCERN WITH THE ADEQUACY OF WORK REQUEST (WR) RETEST INSTRUCTIONS (PARAGRAPH 4). THE LICENSEE HAS DETERMINED THAT THE ULTIMATE HEAT SINK (UHS) IS SILTING UP AT A FASTER RATE THAN EXPECTED (PARAGRAPH 5). A REVIEW OF SELECTED 10 CFR 50.59 EVALUATIONS IDENTIFIED SOME WEAKNESSES WITH INDIVIDUAL EVALUATIONS, BUT SHOWED THE EVALUATIONS IN GENERAL WERE ADEQUATE AND PROPERLY ADDRESSED THE UPDATED SAFETY ANALYSIS REPORT AND TECHNICAL SPECIFICATIONS (PARAGRAPH 7). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period AUG 1989

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

* WOLF CREEK 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 31, 1989

INSPECTION REPORT NO: 50-482/89-21

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

NONE			

=====

1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: K. CARROLL (508) 779-6711

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

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

11. Reasons for Restrictions, If Any:
NONE

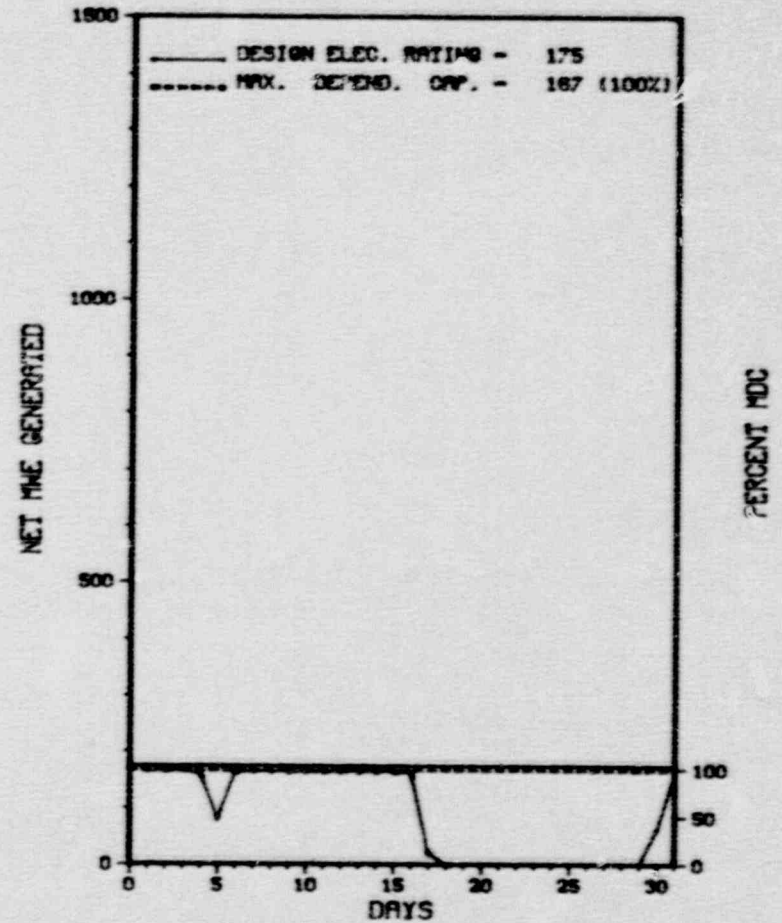
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>252,380.0</u>
13. Hours Reactor Critical	<u>450.6</u>	<u>5,208.2</u>	<u>203,807.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>437.9</u>	<u>5,052.4</u>	<u>198,559.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>243,468</u>	<u>2,918,390</u>	<u>108,556,921</u>
18. Gross Elec Ener (MWH)	<u>71,664</u>	<u>879,122</u>	<u>32,861,799</u>
19. Net Elec Ener (MWH)	<u>66,855</u>	<u>823,321</u>	<u>30,744,751</u>
20. Unit Service Factor	<u>58.9</u>	<u>86.6</u>	<u>78.7</u>
21. Unit Avail Factor	<u>58.9</u>	<u>86.6</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>53.8</u>	<u>84.5</u>	<u>74.6*</u>
23. Unit Cap Factor (DER Net)	<u>51.3</u>	<u>80.7</u>	<u>71.1*</u>
24. Unit Forced Outage Rate	<u>41.1</u>	<u>7.4</u>	<u>5.0</u>
25. Forced Outage Hours	<u>306.1</u>	<u>403.4</u>	<u>9,432.2</u>

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

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
YANKEE-ROWE 1



AUGUST 1989

* Item calculated with a Weighted Average

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
89-11	08/04/89	S	0.0	B	5			REDUCED LOAD FOR CONDENSER TUBE PLUGGING.
89-12	08/17/89	F	306.1	A	1			BORON DEPOSITS CAUSED DEGRADATION OF THE LOOP 2 SAFETY VALVE FLANGE BOLTS. BOTH THE SAFETY VALVE AND ITS FLANGE BOLTS WERE REPLACED.

* SUMMARY *

YANKEE ROWE INCURRED ONE SCHEDULED POWER REDUCTION AND ONE FORCED OUTAGE DURING AUGUST AS DESCRIBED ABOVE.

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

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period AUG 1989

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE....JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE...DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-295 OPERATING STATUS

2. Reporting Period: 08/01/89 Outage + On-line Hrs: 744.0

3. Utility Contact: J. THOMAS (312) 746-2084

4. Licensed Thermal Power (MWh): 3250

5. Nameplate Rating (Gross MWe): 1085

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,831.0</u>	<u>137,351.0</u>
13. Hours Reactor Critical	<u>668.2</u>	<u>5,121.8</u>	<u>97,931.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>598.6</u>	<u>5,005.5</u>	<u>95,150.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>1,732,646</u>	<u>15,205,450</u>	<u>276,107,080</u>
18. Gross Elec Ener (MWh)	<u>546,619</u>	<u>5,088,453</u>	<u>88,946,609</u>
19. Net Elec Ener (MWh)	<u>542,018</u>	<u>4,875,162</u>	<u>84,582,566</u>
20. Unit Service Factor	<u>80.5</u>	<u>85.8</u>	<u>69.3</u>
21. Unit Avail Factor	<u>80.5</u>	<u>85.8</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>70.0</u>	<u>80.4</u>	<u>59.2</u>
23. Unit Cap Factor (DER Net)	<u>70.0</u>	<u>80.4</u>	<u>59.2</u>
24. Unit Forced Outage Rate	<u>19.5</u>	<u>14.2</u>	<u>12.4</u>
25. Forced Outage Hours	<u>145.4</u>	<u>825.5</u>	<u>12,836.1</u>

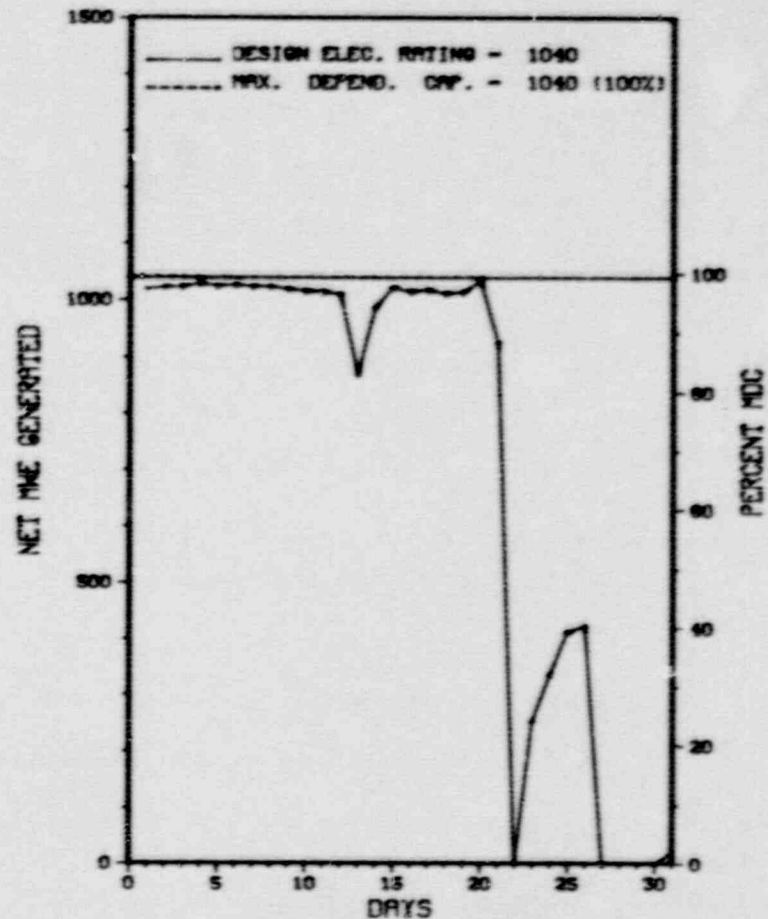
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT 7, 1989 - 10 WEEK DURATION

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



AUGUST 1989

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/21/89	F	30.0	A	9				UNIT 1 SHUTDOWN DUE TO ELECTROHYDRAULIC CONTROL SYSTEM (EHC) LEAK ON PIPING TO NO. 4 GOVERNOR AND STOP VALVE.
5	08/23/89	S	0.0	B	5				UNIT 1 HELD DOWN AT 50% POWER FOR MAINSTREAM SAFETY VALVE TESTING
6	08/27/89	F	115.4	A	1				UNIT 1 SHUTDOWN DUE TO MAINSTREAM SAFETY VALVES BEING SET IMPROPERLY DURING SAFETY VALVE TESTING.

 * SUMMARY *

 ZION 1 INCURRED TWO FORCED OUTAGES AND ONE SCHEDULED POWER REDUCTION DURING AUGUST AS DESCRIBED ABOVE.

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

* ZION 1 *

FACILITY DATA

Report Period AUG 1989

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....C. PATEL
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 JUNE 19 THROUGH JULY 14 (89020; 89018): ROUTINE, UNANNOUNCED INSPECTION OF THE GASEOUS, LIQUID AND SOLID RADWASTE MANAGEMENT AND TRANSPORTATION PROGRAMS, INCLUDING: ORGANIZATION, MANAGEMENT CONTROLS AND TRAINING (IP 83750, 84750, 84850); GASEOUS RADWASTE (IP 84750); LIQUID RADWASTE (IP 84750); SOLID RADWASTE INCLUDING COMPLIANCE WITH WASTE GENERATOR REQUIREMENTS OF 10 CFR 61 (IP 84750, 84850); RADIOACTIVE MATERIAL/RADWASTE SHIPPING AND TRANSPORTATION ACTIVITIES (IP 83750, 84850); AND AUDITS AND APPRAISALS (IP 83750, 84750, 84850). ALSO REVIEWED WERE OUTSTANDING ITEMS AND CIRCUMSTANCES RELATED TO UNPLANNED RELEASES OF GASEOUS EFFLUENT DURING CVCS DEMINERALIZER SERVICING ACTIVITIES (IP 93702). THE ORGANIZATIONAL STRUCTURES STAFFING AND MANAGEMENT CONTROLS AND SUPPORT FOR THE RADWASTE AND TRANSPORTATION PROGRAMS APPEAR ADEQUATE. OVERALL, THE LICENSEE'S PROGRAM FOR CONTROLLING/PROCESSING SOLID RADWASTE AND LIQUID AND GASEOUS EFFLUENTS APPEAR GENERALLY EFFECTIVE. NO VIOLATIONS WERE IDENTIFIED; HOWEVER, LICENSEE IDENTIFIED PROCEDURAL AND TRAINING WEAKNESSES WERE NOTED IN QUANTIFYING UNPLANNED GASEOUS EFFLUENTS AND A WEAKNESS WAS PERCEIVED BY THE INSPECTORS IN QA STAFF TRAINING. INSPECTOR CONCERNS WERE ALSO NOTED WITH WASTE CLASSIFICATION METHODOLOGY AND CONTINUE TO EXIST FOR OPERABILITY OF PROCESS/EFFLUENT CONTROL INSTRUMENTATION.

INSPECTION ON JULY 10-18 (89022; 89020): MANAGEMENT SUPPORT, PROTECTED AND VITAL AREA BARRIERS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES, ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING; MAINTENANCE AND COMPENSATORY MEASURES; TRAINING AND QUALIFICATION AND PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED, EXCEPT AS NOTED BELOW: ACCESS CONTROL-PERSONNEL: THE LICENSEE FAILED TO RESTRICT ACCESS TO A VITAL AREA TO AUTHORIZED INDIVIDUALS. PHYSICAL BARRIERS-VITAL AREAS: THE LICENSEE FAILED TO ADEQUATELY MAINTAIN A VITAL AREA BARRIER. MANAGEMENT SUPPORT: THE LICENSEE FAILED TO REPORT AN EVENT IN THE TIME LIMIT REQUIRED BY 10 CFR 73.71. ADDITIONAL CONCERNS WERE IDENTIFIED AS NOTED BELOW: AUDITS: QA AUDITS NEED TO BE MORE PROGRAMMATIC AND INCREASED QA SURVEILLANCES ARE NECESSARY. MANAGEMENT

Report Period AUG 1989

REPORTS FROM LICENSEE

* ZION 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-06	032589	071489	SERVICE WATER PUMP FLOWRATE BELOW REQUIRED DILUTION FLOW DURING A RADIOACTIVE LIQUID WASTE RELEASE.
89-10	071189	081089	TRAIN A REACTOR TRIP DEFEAT DUE TO INSTALLATION OF UNAUTHORIZED JUMPER.
89-11	071289	081489	INADVERTENT ENGINEERED SAFETY FEATURE (ESF) ACTUATION DURING PT-10 TESTING DUE TO PERSONNEL ERROR.
89-12		082289	INADEQUATE AFW FLOW SETTINGS WITH INOPERABLE AFW PUMP DUE TO ADMINISTRATIVE ERRORS AND PROCEDURAL INADEQUACIES.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

Report Period AUG 1989

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	98/12/89	F	0.0	A	5				RAMPED DOWN TO 55% TO ISOLATE PACKING LEAK ON PRESSURIZER SPRAY VALVE 2PCV-RC07.
7	08/17/89	S	0.0	B	5				RAMPED DOWN TO 40% TO ADJUST PACKING ON PRESSURIZER SPRAY VALVE 2PCV-RC07.

***** ZION 2 INCURRED TWO POWER REDUCTIONS DURING AUGUST AS DESCRIBED ABOVE.
 * SUMMARY *

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

* ZION 2 *

FACILITY DATA

Report Period AUG 1989

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.....C. PATEL
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 JUNE 19 THROUGH JULY 14 (89020; 89018): ROUTINE, UNANNOUNCED INSPECTION OF THE GASEOUS, LIQUID AND SOLID RADWASTE MANAGEMENT AND TRANSPORTATION PROGRAMS, INCLUDING: ORGANIZATION, MANAGEMENT CONTROLS AND TRAINING (IP 83750, 84750, 84850); GASEOUS RADWASTE (IP 84750); LIQUID RADWASTE (IP 84750); SOLID RADWASTE INCLUDING COMPLIANCE WITH WASTE GENERATOR REQUIREMENTS OF 10 CFR 61 (IP 84750, 84850); RADIOACTIVE MATERIAL/RADWASTE SHIPPING AND TRANSPORTATION ACTIVITIES (IP 83750, 84850); AND AUDITS AND APPRAISALS (IP 83750, 84750, 84850). ALSO REVIEWED WERE OUTSTANDING ITEMS AND CIRCUMSTANCES RELATED TO UNPLANNED RELEASES OF GASEOUS EFFLUENT DURING CVCS DEMINERALIZER SERVICING ACTIVITIES (IP 93702). THE ORGANIZATIONAL STRUCTURES STAFFING AND MANAGEMENT CONTROLS AND SUPPORT FOR THE RADWASTE AND TRANSPORTATION PROGRAMS APPEAR ADEQUATE. OVERALL, THE LICENSEE'S PROGRAM FOR CONTROLLING/PROCESSING SOLID RADWASTE AND LIQUID AND GASEOUS EFFLUENTS APPEAR GENERALLY EFFECTIVE. NO VIOLATIONS WERE IDENTIFIED; HOWEVER, LICENSEE IDENTIFIED PROCEDURAL AND TRAINING WEAKNESSES WERE NOTED IN QUANTIFYING UNPLANNED GASEOUS EFFLUENTS AND A WEAKNESS WAS PERCEIVED BY THE INSPECTORS IN QA STAFF TRAINING. INSPECTOR CONCERNS WERE ALSO NOTED WITH WASTE CLASSIFICATION METHODOLOGY AND CONTINUE TO EXIST FOR OPERABILITY OF PROCESS/EFFLUENT CONTROL INSTRUMENTATION.

INSPECTION ON JULY 10-18 (89022; 89020): MANAGEMENT SUPPORT, PROTECTED AND VITAL AREA BARRIERS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES, ALARM STATIONS AND COMMUNICATIONS; POWER SUPPLY; TESTING; MAINTENANCE AND COMPENSATORY MEASURES; TRAINING AND QUALIFICATION AND PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED, EXCEPT AS NOTED BELOW: ACCESS CONTROL-PERSONNEL: THE LICENSEE FAILED TO RESTRICT ACCESS TO A VITAL AREA TO AUTHORIZED INDIVIDUALS. PHYSICAL BARRIERS-VITAL AREAS: THE LICENSEE FAILED TO ADEQUATELY MAINTAIN A VITAL AREA BARRIER. MANAGEMENT SUPPORT: THE LICENSEE FAILED TO REPORT AN EVENT IN THE TIME LIMIT REQUIRED BY 10 CFR 73.71. ADDITIONAL CONCERNS WERE IDENTIFIED AS NOTED BELOW: AUDITS: QA AUDITS NEED TO BE MORE PROGRAMMATIC AND INCREASED QA SURVEILLANCES ARE NECESSARY. MANAGEMENT

Report Period AUG 1989

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

* ZION 2 *

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-04	012084	083089	PLANT CONDITION NOT BOUNDED BY SAFETY ANALYSIS.
85-29	120185	081789	PURGE ISOLATION DUE TO LOW TEMPERATURE AND HIGH RADIATION SIGNAL
88-11	111188	082389	SECOND LEVEL UNDERVOLTAGE CONTACT NOT WIRED PER DRAWING IN 480 VOLT TRANSFORMER BREAKER AUTOCLOSE CIRCUIT.
88-13	121988		UNMONITORED VENT DUE TO MISSED VENT PATH RAD MONITOR SURVEILLANCE CAUSED BY MISCOMMUNICATION.

```
=====
```

SECTION 3

APPENDIX

* PRESSURIZED* 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	NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT
					IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****		AUTH. CAPACITY (b) *****
ARKANSAS 1	177	968	488	480		09-88	1997
ARKANSAS 2	177	988	289	699		02-88	1999
BEAVER VALLEY 1	157	833	284	549		12-87	1995
BEAVER VALLEY 2						N/S	
BRAIDWOOD 1	193	1050	0	1050		N/S	
BRAIDWOOD 2	193	1050	0	1050			
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
CATAWBA 1	193	1418	132	1286		12-88	2011
CATAWBA 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	484	506(m)		03-89	1999
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(1)	874	438(1)(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)	626(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

 * PRESSURIZED *
 * WATER *
 * REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	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			
SOUTH TEXAS 2							
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	
VOGTLE 2							
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

***** * BOILING * * WATER * * REACTORS * *****	S T A T U S O F S P E N T F U E L S T O R A G E C A P A B I L I T Y				REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL WILL FILL PRESENT SCHD. DATE AUTH. CAPACITY *****
	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****		
FACILITY *****						
BIG ROCK POINT 1	84	441	212	229	04-88	1995
BROWNS FERRY 1	764	3471	1288	2183	N/S	2005
BROWNS FERRY 2	764	3471	1161	2310(m)	N/S	2006
BROWNS FERRY 3	764	3471	1004	2467(m)	N/S	2006
BRUNSWICK 1	560	1803	160PWR+1015BWR	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	2556	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	08-88	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	1992
LA CROSSE (d)	72	440	261	179	N/S	1988
LASALLE 1	764	2162	191	1971	03-88	1988
LASALLE 2	764				N/S	1993
LIMERICK 1	764	2040	0	2040	N/S	1987
MILLSTONE 1	580	2184	1732	452	03-89	

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS * (a)

FACILITY *****	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY		NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
				IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	*****		
MONTICELLO	484	2237	822	1415		12-87	1999
NINE MILE POINT 1	532	2776	1377	1399	1788	03-88	1996
NINE MILE POINT 2	0	0	0	0			
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	1996
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)
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

	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT

* LICENSED *	15.09	08/01/74	ARKANSAS 1	10.68	12/26/78	ARKANSAS 2	13.22	06/14/76	BEAVER VALLEY 1
* OPERATING *	2.04	08/17/87	BEAVER VALLEY 2	26.73	12/08/62	BIG ROCK POINT 1	2.14	07/12/87	BRAIDWOOD 1
* ELECTRICAL *	1.27	05/25/88	BRAIDWOOD 2	15.88	10/15/73	BROWNS FERRY 1	15.01	08/28/74	BROWNS FERRY 2
* PRODUCING *	12.97	09/12/76	BROWNS FERRY 3	12.74	12/04/76	BRUNSWICK 1	14.34	04/29/75	BRUNSWICK 2
* UNITS *	4.50	03/01/85	BYRON 1	2.57	02/06/87	BYRON 2	4.85	10/24/84	CALLAWAY 1

	14.66	01/03/75	CALVERT CLIFFS 1	12.73	12/07/76	CALVERT CLIFFS 2	4.61	01/22/85	CATAWBA 1
	3.29	05/18/86	CATAWBA 2	2.36	04/24/87	CLINTON 1	14.56	02/10/75	COOK 1
	11.45	03/22/78	COOK 2	15.31	05/10/74	COOPER STATION	12.59	01/30/77	CRYSTAL RIVER 3
	12.01	08/28/77	DAVIS-BESSE 1	4.80	11/11/84	DIABLO CANYON 1	3.87	10/20/85	DIABLO CANYON 2
	19.39	04/13/70	DRESDEN 2	18.11	07/22/71	DRESDEN 3	15.29	05/19/74	DUANE ARNOLD
	12.04	08/18/77	FARLEY 1	8.27	05/25/81	FARLEY 2	2.95	09/21/86	FERMI 2
	14.58	02/01/75	FITZPATRICK	16.02	08/25/73	FORT CALHOUN 1	12.72	12/11/76	FORT ST VRAIN
	19.75	12/02/69	GINNA	4.87	10/20/84	GRAND GULF 1	22.07	08/07/67	HADDAM NECK
	2.62	01/19/87	HARRIS 1	14.81	11/11/74	HATCH 1	10.94	09/22/78	HATCH 2
	3.09	08/01/86	HOPE CREEK 1	16.18	06/26/73	INDIAN POINT 2	13.35	04/27/76	INDIAN POINT 3
	15.40	04/08/74	KEWAUNEE	6.99	09/04/82	LASALLE 1	5.37	04/20/84	LASALLE 2
	4.39	04/13/85	LIMERICK 1	16.81	11/08/72	MAINE YANKEE	8.17	06/30/81	MCGUIRE 1
	6.28	05/23/83	MCGUIRE 2	18.76	11/29/70	MILLSTONE 1	13.81	11/09/75	MILLSTONE 2
	3.55	02/12/86	MILLSTONE 3	18.49	03/05/71	MONTICELLO	19.81	11/09/69	NINE MILE POINT 1
	2.07	08/08/87	NINE MILE POINT 2	11.38	04/17/78	NORTH ANNA 1	9.02	08/25/80	NORTH ANNA 2
	16.32	05/06/73	OCONEE 1	15.74	12/05/73	OCONEE 2	15.00	09/01/74	OCONEE 3
	19.94	09/23/69	OYSTER CREEK 1	17.67	12/31/71	PALISADES	4.23	06/10/85	PALO VERDE 1
	3.29	05/20/86	PALO VERDE 2	1.76	11/28/87	PALO VERDE 3	15.53	02/18/74	PEACH BOTTOM 2
	15.00	09/01/74	PEACH BOTTOM 3	2.70	12/19/86	PERRY 1	17.12	07/19/72	PILGRIM 1
	18.82	11/06/70	POINT BEACH 1	17.08	08/02/72	POINT BEACH 2	15.74	12/04/73	PRAIRIE ISLAND 1
	14.70	12/21/74	PRAIRIE ISLAND 2	17.39	04/12/72	QUAD CITIES 1	17.28	05/23/72	QUAD CITIES 2
	14.89	10/13/74	RANCHO SECO 1	3.75	12/03/85	RIVER BEND 1	18.93	09/26/70	ROBINSON 2
	12.68	12/25/76	SALEM 1	8.25	06/03/81	SALEM 2	22.13	07/16/67	SAN ONOFRE 1
	6.95	09/20/82	SAN ONOFRE 2	5.94	09/25/83	SAN ONOFRE 3	9.11	07/22/80	SEQUOYAH 1
	7.69	12/23/81	SEQUOYAH 2	1.42	03/30/88	SOUTH TEXAS 1	.39	04/11/89	SOUTH TEXAS 2
	13.32	05/07/76	ST LUCIE 1	6.22	06/13/83	ST LUCIE 2	6.79	11/16/82	SUMMER 1
	17.16	07/04/72	SURRY 1	16.48	03/10/73	SURRY 2	6.79	11/16/82	SUSQUEHANNA 1
	5.16	07/03/84	SUSQUEHANNA 2	15.20	06/19/74	THREE MILE ISLAND 1	13.69	12/23/75	TROJAN
	16.83	11/02/72	TURKEY POINT 3	16.20	06/21/73	TURKEY POINT 4	16.95	09/20/72	VERMONT YANKEE 1
	2.43	03/27/87	VOGTLE 1	.39	04/10/89	VOGTLE 2	5.26	05/27/84	WASHINGTON NUCLEAR 2
	4.46	03/18/85	WATERFORD 3	4.22	06/12/85	WOLF CREEK 1	28.81	11/10/60	YANKEE-ROWE 1
	16.18	06/28/73	ZION 1	15.68	12/26/73	ZION 2			
TOTAL	1239.28								

	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							

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
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
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN 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
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 MANHATTAN	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
		KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA COLLEGE PARK	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
		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 DL 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 TUXEDO	MANHATTAN COLLEGE - PYHSICS DEPT. STATE UNIVERSITY OF NEW YORK CORNELL UNIVERSITY CORNELL UNIVERSITY 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-80	01-11-62	100.0
			ZPR	50-097	R-89	12-11-62	0.1
			POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	WORTH 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
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	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0

NRC FORM 338 (2-84) NRCM 1102 3201, 3202	U.S. NUCLEAR REGULATORY COMMISSION	REPORT NUMBER (Assigned by TDC and Vol. No. if any)
BIBLIOGRAPHIC DATA SHEET		NUREG-0020, Volume 13, No. 9
SEE INSTRUCTIONS ON THE REVERSE		
2. TITLE AND SUBTITLE	Licensed Operating Reactors Status Summary Report Data as of 08/31/89	3. LEAVE BLANK
5. AUTHOR(S)		4. DATE REPORT COMPLETED MONTH: November YEAR: 1989
7. PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)	Division of Computer and Telecommunication Services Office of Information Resources Management U. S. Nuclear Regulatory Commission Washington, D. C. 20555	6. DATE REPORT ISSUED MONTH: November YEAR: 1989
10. SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)	Division of Computer and Telecommunication Services Office of Information Resources Management U. S. Nuclear Regulatory Commission Washington, D. C. 20555	8. PROJECT/TASK/WORK UNIT NUMBER
12. SUPPLEMENTARY NOTES	Status Summary Report	9. FUND GRANT NUMBER
13. ABSTRACT (200 words or less)	<p>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 Information 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.</p>	
14. DOCUMENT ANALYSIS - KEYWORDS/DESCRIPTORS	Licensed Operating Reactors Commercial Operating Units	15. AVAILABILITY STATEMENT
b. IDENTIFIERS/OPEN ENDED TERMS		Unlimited
		16. SECURITY CLASSIFICATION
		(This page) Unclassified
		(This report) 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	227
	<u>1145</u>

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

FIRST CLASS MAIL
POSTAGE & FEES PAID
USNRC
PERMIT NO. G-67

120555139531 1 1AN1NU
US NPC-OADM
DIV FOIA & PUBLICATIONS SVCS
TPS PDR-NUREG
P-223
WASHINGTON DC 20555