NUREG-0020 Vol. 8, No. 5 May 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT DATA AS OF 04-30-84

UNITED STATES NUCLEAR REGULATORY COMMISSION



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NUREG-0020 Vol. 8, No. 5 May 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 04-30-84

Manuscript Completed: June 1984 Date Published: June 1984

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



AUTHORIZATION AND CLEARANCE

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

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

STATEMENT OF PURPOSE

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

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

The percentage computations, Items 20 through 24 in Section 2, the vendor capacity factors on page 1-7, and <u>actual</u> vs. <u>potential</u> 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.

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GLOSSARY

AVERACE DATLY BOURD 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	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 M 2)	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 HOWRS	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.

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GLOSSARY (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 minth, 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.

GLOSSARY (continued)

REACTOR AVAILABLE HOURS which the reactor was critical or was capable of being made critical. (Reactor Reserve Shutdown Hours + Hours Reactor Critical.)

REACTOR AVAILABILITY FACTOR

Reactor Available Hours x 100 Period Hours

REACTUR 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

NURS 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

Hours Reactor Critical x 100 Period Hours

REPORT PERIOD

SCHEDULED OUTAGE

Usually, the preceding calender 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.

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.)

GLOSSARY (continued)

UNIT AVAILABILITY FACTOR	Unit Available Hours x 100 Period Hours
UNIT CAPACITY FACTORS	1
- Using Licensed Thermal Power	Gross Thermal Energy Generated x 100 Period Hours x LIC. Thermal Power
- Using Nameplate Rating	Gross Electrical Energy Generated x 100 Period Hours x Nameplate Rating
- Using DER	Net Electrical Energy Generated x 100 Period Hours x DER
- Using MDC Gross	Gross Electrical Energy Generated x 100 Period Hours x MDC Gross
- Using MDC Net	Net Electrical Energy Generated x 100 Period Hours × MDC Net
NOTE: if MDC GROSS and/or MDC N substituted for this quan	ET have not been determined, the DER is tity for Unit Capacity Factor calculations.
UNIT FORCED OUTAGE RATE	Forced Outsae Hours
	Unit Service Hours + 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	Unit Service Hours x 100 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 tound 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.

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BROWNS FERRY 2
BROWNS FERRY 3
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BRUNSWICK 2
CALVERT CLIFFS 1
CALVERT CLIFFS 2
COOK 1
COOK 2
COOPER STATION
CRYSTAL RIVER 3
DAVIS-BESSE 1
DRESDEN 2
DRESDEN 3
DUANE ARNOLD
FARLEY 1
FARLEY 2
FITZPATRICK
FORT CALHOUN 1
FORT ST VRAIN
GINNA
HADDAM NECK
HATCH 1
HATCH 2
INDIAN POINT 2
INDIAN POINT 3
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LA CRUSSE
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PAGE



MONTHLY HIGHLIGHTS

* LICENSED * * POWER * * REACTORS *	79 IN COMMERCIAL OPERATION	c)Based upon maximum dependable capacity; design elec. rating used if MDC not determined
(a) LA SALLE	MDC NET 2 1078 (b) Excludes these plants 1. DRESDEN 1200 (c) GRAND licensed for operation 2. HUMBOLDT BAY65 WASH. I which are shut down 3. TMI 2906 SUSQUE indefinitely DIABLO	DATE DER GULF 1 06/16/82 1250 NUC. 2 12/20/83 1103 HANNA 2 03/23/84 1052 CANYON 1 04/19/84 1C84
** *********** * OWER * * 26. RATION *	1. GROSS ELECTRICAL (MWHE) REPORT MONTH PREVIOUS MONTH 2. NET ELECTRICAL (MWHE) 25,065,880 28,071,040 3. AVG. UNIT SERVICE FACTOR (%) 23,299,880 26,819,143 4. AVG. UNIT AVAILABILITY FACTOR (%) 54.4 61.8 5. AVG. UNIT CAPACITY FACTOR (MDC) (%) 50.2 58.4 6. AVG. UNIT CAPACITY FACTOR (DER) (%) 49.0 56.9 7. FORCED OUTAGE RATE (%) 10.2 7.9	YEAR-TO-DATE 111,094,938 105,474,362 63.9 63.9 59.8 58.3 10.3
************** * ACTUAL VS. * * POTENTIAL * * ENERGY * * PRODUCTION * ****	 ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	X OF POTENTIAL PRODUCTION 52.2 36.4 6.7
POTENTIAL ENERGY	PRODUCTION IN THIS FERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net) 44,649,900 MWHe 5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES 861,124 MWHG 6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWHe	4.7 100.0% TOTAL 1 "INIT(S) WITH NRC RESTRICTION
************* * OUTAGE * * DATA * *****	1. FORCED OUTAGES DURING REPORT PERIOD	MWHE LOST PRODUCTION 2,990,748 16,260,729 19,251,478

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

Report Period APR 1984

MONTHLY HIGHLIGHTS

************* * REASONS * * FOR * * SHUTDCWNS * *****	A - Equipment Fa B - Maintenance C - Refueling . D - Regulatory R E - Operator Tra F - Administrati G - Operational H - Other	ilure or Test . estriction ining & Li ve Error	cense Examination	NUM	BER HOURS LOST 27 3, 199.4 12 2,230.3 30 18,376.4 2 1,10.2 0 0.0 0 0 4 64.1 2 907.8			
		MDC (MWe Net) POWER	TOTAL	77 25,888.2 Net) TYP	E		
* DERATED *	FORT ST VRAIN		330 280		NKC Kest	riction		
**************************************	UNIT ARKANSAS 1	REASON	UNIT BROWNS FERRY 3	REASON	UNIT BRUNSWICK 1	REASON	UNIT BRUNSWICK 2 COOPER STATION	REASON

Unit Availability, Capacity, Forced Outage Myg. Unit Percentage ce of 84-38-84



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.



Report Period APR 1984

Tire:



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

Report Period APR 1984

PAGE 1-6

***** 0.0 ZION 2 Units excluded are: dependable capacity. See the corresponding definition in the glossary. The vendor averages are computed by the formula: * OTHER INFO * DRESDEN 1 ************** FORT ST VRAIN HUMBOLDT BAY Net Electrical Energy Produced by Vendor x 100% LACROSSE THREE MILE ISLAND 2 Potential Electrical Production by Vendor in this Month GE BWRs West PWRs Comb PWRs B&W PWRs ALL PWRs NET ELECTRICAL PRODUCTION. 7,380,867 8,977,606 4,275,134 2,603,041 15,855,781 MDC NET. 19,226 26,663 9,009 6,760 42,432 CFMDC. 53.4 46.8 66.0 53.6 52.0

AVERAGE CAPACITY FACTORS BY VENDORS

Report Period APR 1984

PAGE 1-7

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

ITEM 22 8 23

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

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 8 2 • BEAVER VALLEY 1 SAN ONOFRE 1 ITEM 24 ONLY BIG ROCK POINT 1

ERRATA

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

Report Month - March 1984

1

Vol. 8, No. 4	REVISED MONTHLY HIGHLIGHTS
Gross Elec.	28,071,040
Net Elec.	26,819,143
Unit Serv.	61.8
Unit Avail.	61.8
Cap. Fac. (MDC)	58.4
Cap. Fac. (DER)	56.9
F. Outage Rate	7.9

GIN	NA	STATION	-	Docket	05000244
Net	E	lectrical			19,863

Report Period APR 1984



	Docket: _50-313	OPERAT	TING S	TATUS
2.	Reporting Period: 04/01/	84 Outage	e + On-line	Hrs: 719.0
3.	Utility Contact: K. L. M	ORTON (501)	964-3155	
4.	Licensed Thermal Power (M	wt):	_	2568
5.	Nameplate Rating (Gross M	We):	1003 X	0.9 = 903
6.	Design Electrical Rating	(Net MWe):		850
7.	Maximum Dependable Capaci	ty (Gross M	1We):	883
8.	Maximum Dependable Capaci	ty (Net MWa		836
9.	If Changes Occur Above Si NONE	nce Last Re	aport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2.903.0	CUMULATIVE
13.	Hours Reactor Critical	449.7	2,272.4	
14.	Rx Reserve Shtdwn Hrs	0		5,044.0
15.	Hrs Generator On-Line	431.9	2,254.6	
16.	Unit Reserve Shtdwn Hrs	0	0	817.5
17.	Gross Therm Ener (MWH)	1,037,261	5,486,913	127,407,210
18.	Gross Elec Ener (MWH)		1,837,690	41,976.055
19.	Net Elec Ener (MWH)	329,330	1,760,041	40,018,428
20.	Unit Service Factor	60.1	77.7	65.2
21.	Unit Avail Factor	60.1		66.2
22.	Unit Cap Factor (MDC Net)	54.8	72.5	58.3
23.	Unit Cap Factor (DER Net)	53.9	71.3	57.3
24.	Unit Forced Outage Rate	3.3		16.0
25.	Forced Outage Hours	14.8	14.8	10,192.9
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,D)uration):



******* ARKANSAS 1

*

APRIL 1984

1

FAGE 2-002

Report Period APR 1984 UNIT SHUTDOWNS / REDUCTIONS ARKANSAS 1 ******* No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence 84-01 03/16/84 5 272.3 B 4 84-3879 00 HTEXCH PLANNED SHUTDOWN FOR MID-CYCLE STEAM GENERATOR INSPECTION. A NORMAL POWER REDUCTION WAS IN PROGRESS WHEN A TRIP FROM 17% POWER OCCURRED DUE TO LOSS OF BOTH MAIN FEEDWATER PUMPS. 84-02 04/21/84 F 14.8 G SJ PUMPXX UNIT TRIPPED WHEN I&C TECHNICIAN IMADVERTENTLY ACTUATED 3 THE AXIAL THRUST TRIP ON THE "A" MAIN FEEDWATER PUMP, CAUSING A LOSS OF FEEDWATER AND A REACTOR TRIP ON HIGH

************ ARKANSAS 1 RETURNED ONLINE APRIL 12TH FROM REPAIR OUTAGES AND OPERATED ROUTINELY THE REMAINDER * SUMMARY * OF THE REPORT PERIOD.

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

-

PAGE 2-003

RCS PRESSURE. THE UNIT WAS PLACED BACK ON LINE

APPROXIMATELY 15 HOURS LATER.

ARKANSAS 1 *	
(*************************************	¢
CILITY DESCRIPTION	
OCATION	
STATEARKANSAS	
COUNTYPOPE	
DIST AND DIRECTION FROM	
NEAREST POPULATION CTR6 MI WNW OF RUSSELLVILLE, AR	
TYPE OF REACTORPWR	
DATE INITIAL CRITICALITYAUGUST 6, 1974	
DATE ELEC ENER 1ST GENERAUGUST 17. 1974	
DATE COMMERCIAL OPERATEDECEMBER 19, 1974	
CONDENSER COOLING METHODONCE THRU	
CONDENSER COOLING WATERDARDANELLE RESERVOIR	
COUNCIL	

ACILITY DATA

Report Period APR 1984

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

FA

INSPECTION CONDUCTED FEBRUARY 1-29, 1984 (84-07): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONNAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND QUALITY ASSURANCE PROGRAM REVIEW. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW QUALITY ASSURANCE ADMINISTRATIVE PROCEDURES).

INSPECTION CONDUCTED MARCH 1-31, 1984 (84 10): ROUTINE ANNOUNCED INSPECTION OF MAINTENANCE AND OPERATIONAL SAFETY VERIFICATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 30, 1984 (84-14): UNANNOUNCED, REACTIVE INSPECTION OF AN ALLEGATION CONCERNING THE UNIFORMITY IN APPLICATION OF FITNESS FOR DUTY PROCEDURES OF THE SITE SECURITY ORGANIZATION AS APPLIED TO GUARDS. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE ALLEGATION WAS NOT SUBSTANTIATED.

ENFORCEMENT SUMMARY

CONTRARY TO QUALITY ASSURANCE ADMINISTRATIVE PROCEDURE, QAA-6, "QUALITY ASSURANCE AUDITS", REVISION 1, FOUR AUDIT MODULES (QAP-11, QAP-23, QAP-7, AND QAP-19) PERFORMED DURING 1983 WERE DELAYED BY MORE THAN ONE MONTH WITHOUT APPROVAL OF THE QUALITY ASSURANCE MANAGER. CONTRARY TO QUALITY ASSURANCE ADMINISTRATIVE PROCEDURE, QAA-6, "QUALITY ASSURANCE AUDITS", REVISION 1, FOUR AUDIT MODULES (QAP-11, QAP-23, QAP-7, AND QAP-19) PERFORMED DURING 1983 WERE DELAYED BY MORE THAN ONE MONTH WITHOUT APPROVAL OF THE QUALITY ASSURANCE MANAGER. Report Period APR 1984

ENFORCEMENT SUMMARY

(8407 5)

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: MARCH 30, 1984 INSPECTION REPORT NO: 50-313/84-14 REPORTS FROM LICENSEE NUMBER DATE OF DATE OF SUBJECT EVENT REPORT NONE

1.	Docket: 50-368	OPERAT	INGS	TATUS					
2.	Reporting Period:	84 Outage	+ On-line	Hrs: 719.0					
3.	Utility Contact: LINDY B	RAMLETT (50	11) 964-3145						
4.	Licensed Thermal Power (M	WE):		2815					
5.	Nameplate Rating (Gross M	We):	943						
6.	912								
7.	7. Maximum Dependable Capacity (Gross MWe): 897								
8.	J. Maximum Dependable Capacity (Net MWe): 858								
9.	If Changes Occur Above Sin NONE	nce Last Re	port, Give	Reasons:					
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):					
11.	Reasons for Restrictions,	If Any:							
	NONE								
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE					
13.	Hours Reactor Critical	719.0	2,230.2	23,902.9					
14.	Rx Reserve Shtdun Hrs	0	0	1,430.1					
15.	Hrs Generator On-Line	719.0	2,091.0	23,041.3					
16.	Unit Reserve Shtdwn Hrs	0	0	75.0					
17.	Gross Therm Ener (MWH)	1,998,149	5,011,579	57,561,519					
18.	Gross Elec Ener WH)	671,350	1,670,090	18,687,041					
19.	Net Elec Ener (MWH)	642,604	1,589,649	17,795,989					
20.	Unit Service Factor	100.0	72.0	64.1					
21.	Unit Avail Factor	100.0	72.0	64.3					
22.	Unit Cap Factor (MDC Net)	104.2	63.8	57.7					
23.	Unit Cap Factor (DER Net)	98.0	60.0	54.3					
24.	Unit Forced Outage Rate		2.8	19.1					
25.	Forced Outage Hours		60.8	5,439.3					
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D	uration):					



APRIL 1984

PAGE 2-006

port Period	to.		50000000000000000000000000000000000000
d 4PR 1984	E Type Hours		ARKAWSAS 2
	Reason		C OPERATED AT
1 1 8	15		FULL
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	11		

Type	Reason	Method	System # Con
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling M-Other D-Regulatory Restriction E-Operator Training A License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & Instruction Preparation Data Entry 5 Licensee Ev

t Repo

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104

**************************************	CILITY DATA . Report Period APR 1984
EACTS. 114 DESCR2P1108	UTILITY & CONTRACTOR INFORMATION
1.0CAT20% 51ATE	UTILITY LICENSEE
COUNTY	CORPORATE ADDRESSNINTH & LOUISIAMA STREETS LITTE ROCK. ARKANGAS 72285
DIST AND DIRECTION FROM NELREST POPULATION CIR6 MI MANA OF RUSSELLVILLE, AR	CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTOR PuR	NUC STEAM SYS SUPPLIER COMBUSTION ENGINEERING
DATE INSTITUT CRITICALITY DECEMBER 5, 1978	CONSTRUCTOR
DATE ELEC ENER 157 GENERDECEMBER 26, 1978	TURBINE SUPPLIERGENERAL ELECTRIC "
DATE COMPRENCIAL OFERATE MARCH 26. 1980	RECOLLATORY INFORMATION
CONDERSER CODLING MEINDOCODLING TOWER	IE REGION RESPONSIBLE IV
CONDENSER COOLING MATERDARDANELLE RESERVOIR	IE RESIDENT INSPECTORP. HARRELL
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERR. LEE DOCKET NUMBER50-365
	LICENSE & DATE ISSUANCENPF-6, SEPTEMBER 1, 1978
INSPECTION SUMMARY	FUBLIC DOCUMENT ROOM
INSPECTION CONDUCTED FEBRUARY 1-29, 1984 (N4-87): 1 SUBVEILLANCE, STARTUP TESTING AFTER REFUELING, AND 1 MUS IDENTFIED (FAILURE TO FOLLOW OUALITY ASSURANCE	ROUTINE, ANNOUNCED INSPECTION OF OPERATIONNAL SAFETY JERIFICATION, MAINTENANCI QUALITY ASSURANCE PROGRAM REVIEW. WITHIN THE AREAS INSPECTED, ONE VIOLATION
INSPECTION COMPOSIED MARCH 1-31, 1984 (84-10): ROU WITHIN INE LAESS INSPECTED, NO WIDLATIONS OR DEVIAT	FINE ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION AND MAINTENANCE. IONS MERE IDENTIFIED.
INSPECTION CONDUCTED MARCH 30, 1984 184-143: UNAMON AFPLICATION OF FIINESS FOR DUTY PROCEDURES OF THE S VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE ALLE	OUNCED. REACTIVE INSPECTION OF AN ALLEGATION CONCERNING THE UNIFORMITY IN LITE SECURITY ORGANIZATION AS APPLIED TO GUARDS. WITHIN THE AREA INSPECTED, NO GATION WAS NOT SUBSTANTIATED.
ENFORCEMENT SUMMARY	
Note:	
Areas areas	

PAGE 2-008

*****	*****	*****
×	ARKANSAS 2	×
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CTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONF

582

PLANT STATUS:

POWER OPERATION

LAST IS SITE INSPECTION DATES MARCH 30, 1984

INSPECTION REPORT NO: "2-368/84-14

REPORTS FROM LICENSEE

NUMBER	DATE OF	PATE OF REPORT	SUBJECT
	1.1.1		
89-007	3.10784	4/6/34	REACTOR TRIP ON LOW DWBR
89-008	3/12/84	4/11/84	REACTOR TRIP ON LOW STEAM GENERATOR LEVEL
	============		***************************************

1.	Docket: _50-334	OPERAT	ING S	TATUS						
2.	Reporting Period:	84 Outage	+ On-line	Hrs: 719.0						
3.	Utility Contact: J. L. H	OLTZ (412)	643-1369							
4.	Licensed Thermal Power (MWt):2660									
5.	Nameplate Rating (Gross MWe): 1026 X 0.9 = 92									
6.	. Design Electrical Rating (Net MWe): 835									
7.	Maximum Dependable Capacity (Gross MWe):860									
8.	Maximum Dependable Capaci	810								
9.	If Changes Occur Above Sin	nce Last Re	port, Give	Reasons:						
	NONE									
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):						
11.	Reasons for Restrictions,	If Any:								
	NONE									
12	Papart Pariod Har	MONTH	YEAR	CUMULATIVE						
12.	Keport rerioo mrs	719.0	2,705.0	33 599 0						
13.	Hours Reactor Critical			6 682 7						
14.	Kx Keserve Shtown hrs	703.0	2 561 6	12 120 1						
15.	Hrs Generator Un-Line									
10.	Unit Keserve Shtdwh Hrs		4 442 152	74 071 494						
17.	Gross Therm Ener (MWH)	1,013,222	0,442,122	27 546 660						
18.	Gross Elec Ener (MWH)		2,087,500	23,210,440						
19.	Net Elec Ener (MWH)		1,972,165	21,860,963						
20.	Unit Service Factor	97.9	87.5	48.3						
21.	Unit Avail Factor	97.9	<u> </u>	48.3						
22.	Unit Cap Factor (MDC Net)	94.7	83.9	42.0						
23.	Unit Cap Factor (DER Net)	91.9	81.4	40.7						
24.	Unit Forced Outage Rate	2.1	3.9	29.3						
25.	Forced Outage Hours	15.1	103.0	17,780.1						
26.	Shutdowns Sched Over Next NONE	£ Months (Type,Date,D	Ouration):						
27	TE Currently Shutdarin Est	imated Star	tun Data:	NZA						



PAGE 2-010

Report	Period AF	PR 19	84		UN	ΙT	SHU	TDOW	NS	1	R	E	D	U (C 1	T 1			s	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Comp	oner	nt				Ca	aus	50	8	Cor	rrective Action to Prevent Recurrence
6	04/09/84	F	15.1	A	1			HF	HTE	EXCH		A DI DI III Si	TUI ISCI FFLI N TI SOLI	BE OVE INE HE ATE	ERE E A SI ED	EAN ED AT TEA AN	AT 07 AM ND ED	N IS GE TH TO	THE 537 HC HEF	E MAIN CONDENSER'S 1A WATERBOX WAS 7 HOURS. THE STATION WAS TAKEN DURS DUE TO HIGH CATION CONDUCTIVITY RATORS. THE 1A WATERBOX WAS 14IN UNIT GENERATOR WAS 14E GRID AT 2220 HOURS.

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

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

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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....ONE OXFORD CENTRE, 301 GRANT STREET PITTSBURGH, PENNSYLVANIA 15279

CONTRACTOR ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER. .. WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. TROSKOSKI

LICENSE & DATE ISSUANCE.... DPR-66, JULY 2, 1976

PUBLIC DOCUMENT ROOM.....B.F. JONES MEMORIAL LIBRARY 633 FRANKLIN AVENUE ALIQUIPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT. QUALITY ASSURANCE PROCEDURE OP-8, REVISION 2, REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE, REVIEW, APPROVAL, DISTRIBUTION AND USE OF DOCUMENTS WHICH PRESCRIBE ACTIVITIES AFFECTING QUALITY. SITE ADMINISTRATIVE PROCEDURE, CHAPTER 7, REVISION 4, REQUIRES THAT DOCUMENTS SHALL BE DISTRIBUTED IN A CONTROLLED MANNER TO ASSURE RECIPIENTS ARE PROVIDED WITH THE LATEST REVISIONS IN A TIMELY MANNER. CONTRARY TO THE ABOVE, ON JANUARY 17, 1984, THE OPERATIONS QUALITY CONTROL GROUP COPY OF THE TEN YEAR INSPECTION PLAN OF THE BEAVER VALLEY POWER STATION NUCLEAR GENERATING PLANT, UNIT 1 WAS NOT DISTRIBUTED IN A CONTROLLED MANNER IN THAT, DATE OF ISSUE AND REVISION NUMBER WERE NOT IDENTIFIED, NOR WAS THE DOCUMENT REVIEWED OR APPROVED BY AUTHORIZED PERSONNEL. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).

(8402 4)

OTHER ITEMS

PAGE 2-012

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OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPU. PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1.	Docket: _50-155	PERAT	INGS	TATUS						
2.	Reporting Period:84/01/8	0utage	+ On-line	Hrs: 719.0						
3.	Utility Contact: LINDA BA	LCH (616) 5	547-5537							
4.	Licensed Thermal Power (MM	1t):		240						
5.	Nameplate Rating (Gross MWe): 70.6 X 0.85 = 60									
6.	Design Electrical Rating (72							
7.	Maximum Dependable Capacity (Gross MWe): 69									
8.	Maximum Dependable Capacit	y (Net MWe)		64						
9.	If Changes Occur Above Sir NONE	nce Last Rep	bort, Give	Reasons:						
10.	Power Level To Which Restr	icted, If A	iny (Net Mk	le):						
11.	Reasons for Restrictions,	If Any:								
_	NONE									
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 184,890.0						
13.	Hours Reactor Critical	719.0	2,554.2	130,264.6						
14.	Rx Reserve Shtdwn Hrs		. 0	.0						
15.	Hrs Generator On-Line	719.0	2,513.7	127,806.8						
16.	Unit Reserve Shtdwn Hrs			.0						
17.	Gross Therm Ener (MWH)	139,857	479,013	23,964,904						
18.	Gross Elec Ener (MWH)	45, 165	155,802	7,571,411						
19.	Net Elec Ener (MWH)	42,660	146,990	7,159,202						
20.	Unit Service Factor	100.0	86.6	69.1						
21.	Unit Avail Factor	100.0	86.6	69.1						
22.	Unit Cap Factor (MDC Net)	92.7	79.1	<u>57.7</u> *						
	Unit Can Frater (DED Nat)	82.4	70.3	53.8						
23.	Unit cap ractor (DEK Met)									
23.	Unit Forced Outage Rate	. 0	13.4	16.8						
23. 24. 25.	Unit Forced Outage Rate Forced Outage Hours	.0	<u> </u>	10,289.6						



* Item calculated with a Weighted Average

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Report	Period AP	R 198	4		U	NI	т	S	н	UT	D	0	W	N	S	/	R	E	DI) c	т	I	0 1	4 5	****	***** B *****	IG	ROC	***** K POI *****	*** NT ***	**** 1 ****	*****	***	
No.	Date	Type	Hours	Reason	Metho	- 5	LER	Nu	mbe		SV	sta	m	Co	moo	ner	nt				Car	150	2	Cor	rectiv	e Acti	on	+0	Preve	nt	Recu	rrenc	0	-

NONE

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

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****** * BIG ROCK POINT 1 ****** FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE.....MICHIGAN LICENSEE.....CONSUMERS POWER COUNTY......CHARLEVOIX JACKSON, MICHIGAN 49201 DIST AND DIRECTION FROM NEAREST POPULATION CTR...4 MI NE OF CONTRACTOR CHARLEVOIX, MICH ARCHITECT/ENGINEER.....BECHTEL TYPE OF REACTOR BWR NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962 CONSTRUCTOR.....BECHTEL DATE ELEC ENER 1ST GENER... DECEMBER 8, 1962 TURBINE SUPPLIER.....GENERAL ELECTRIC DATE COMMERCIAL OPERATE.... MARCH 29, 1963 REGULATORY INFORMATION CONDENSER COOLING METHOD... ONCE THRU IE REGION RESPONSIBLE.....III CONDENSER COOLING WATER....LAKE MICHIGAN IE RESIDENT INSPECTOR......G. WRIGHT ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....R. EMCH RELIABILITY COORDINATION AGREEMENT LICENSE & DATE ISSUANCE.... DPR-6, AUGUST 30, 1962 PUBLIC DOCUMENT ROOM CHARLEVOIX PUBLIC LIBRARY 107 CLINION STREET CHARLEVOIX, MICHIGAN 49720 INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1 - MARCH 16, (84-01): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE, SURVEILLANCE; BULLETINS AND CIRCULARS; DETECTION AIDS; AND OPERATIONAL EVENTS. THE INSPECTION INVOLVED A TOTAL OF 185 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTO? INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS AND 10 INSPECTOR-HOURS OFFSITE BY ONE REGIONAL INSPECTOR. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE
INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES): NONE MANAGERIAL ITEMS: NONE PLANT STATUS: THE PLANT IS OPERATING ROUTINELY. LAST IE SITE INSPECTION DATE: MARCH 17 - APRIL 20, 1984 INSPECTION REPORT NO: 84-02 REPORTS FROM LICENSEE SUBJECT DATE OF DATE OF NUMBER REPORT EVENT ----_____ NONE

Reporting Period: <u>04/01/</u> Utility Contact: <u>TED THO</u> Licensed Thermal Power (M Nameplate Rating (Gross M Design Electrical Rating Maximum Dependable Capaci Maximum Dependable Capaci	84 Outage M (205) 729 Wt): We): (Net MWe): ty (Gross M	9 + On-line 9-0834 	Hrs: <u>719.0</u> 3293 0.9 = 1152
Utility Contact: <u>TED THO</u> Licensed Thermal Power (M Nameplate Rating (Gross M Design Electrical Rating Maximum Dependable Capaci Maximum Dependable Capaci	M (205) 729 Wt): We): (Net MWe): ty (Gross M	1280 X	3293 0.9 = 1152
Licensed Thermal Power (M Nameplate Rating (Gross M Design Electrical Rating Maximum Dependable Capaci Maximum Dependable Capaci	Wt): We): (Net MWe): ty (Gross M	1280 X	3293 0.9 = 1152
Nameplate Rating (Gross M Design Electrical Rating Maximum Dependable Capaci Maximum Dependable Capaci	We): (Net MWe): ty (Gross M	<u>1280 X</u>	0.9 = 1152
Design Electrical Rating Maximum Dependable Capaci Maximum Dependable Capaci	(Net MWe):		
Maximum Dependable Capaci Maximum Dependable Capaci	ty (Gross M		1065
faximun Dependable Capaci	-) (01035 F	We):	1098
	ty (Net MWe):	1065
If Changes Occur Above Si NONE	nce Last Re	eport. Give	Reasons:
ower Level To Which Rest	ricted, If	Any (Net Mu	de):
Reasons for Restrictions,	If Any:		
IONE			
Report Period Hrs	MONTH 7 19.0	YEAR 2,903.0	CUMULATIVE
lours Reactor Critical	719.0	2,661.2	52,467.0
Xx Reserve Shtdwn Hrs		225.3	6,009.9
irs Generator On-Line	7.19.0	2,574.6	51,292.2
Jnit Reserve Shtdwn Hrs			0
Gross Therm Ener (MWH)	2,294,374	7,562,932	146, 120, 611
Gross Elec Ener (MWH)	772,400	2,546,080	48, 191, 700
let Elec Ener (MWH)	754,120	2,481,136	46,806,463
Init Service Factor	100.0	88.7	60.0
Init Avail Factor	100.0	88.7	60.0
Init Cap Factor (MDC Net)	98.5	80.3	51.4
Init Cap Factor (DER Net)	98.5	80.3	51,4
Init Forced Outage Rate	. 0	10.3	23.2
orced Outage Hours		296.6	15,521.3
butdowns Sched Over Next	6 Months (Type,Date,D)uration):
	ONE ower Level To Which Rest easons for Restrictions, ONE eport Period Hrs ours Reactor Critical x Reserve Shtdwn Hrs rs Generator On-Line nit Reserve Shtdwn Hrs ross Therm Ener (MWH) ross Elec Ener (MWH) et Elec Ener (MWH) nit Service Factor nit Avail Factor nit Cap Factor (MDC Net) nit Cap Factor (DER Net) nit Forced Outage Rate orced Outage Hours hutdowns Sched Over Next ONE	ONE ower Level To Which Restricted, If easons for Restrictions, If Any: ONE ours Reactor Restrictions, If Any: ours ours Reactor Critical 719.0 ours Reactor Critical 719.0 ours Reactor Critical 719.0 ours Reactor On-Line rs Generator On-Line ross Therm Ener (MWH) ross Therm Ener (MWH) 772,400 et Elec Ener (MWH) ross Elec Ener (MWH) 754,120 nit Service Factor 100.0 nit Avail Factor nit Cap Factor (DER Net) 98.5 nit Forced Outage Rate .0 orced Outage Hours .0 hutdowns Sched Over Next 6 Months (ONE	DNE 'ower Level To Which Restricted, If Any (Net Multiceasons for Restrictions, If Any: IONE ONE eport Period Hrs 719.0 ours Reactor Critical 719.0 2.903.0 ours Reactor Critical 719.0 2.903.0 ours Reactor Critical 719.0 2.903.0 ours Reactor Critical 719.0 2.661.2 x Reserve Shtdwn Hrs 0 .0 2.574.6 nit Reserve Shtdwn Hrs .0 .0 .0 ross Therm Ener (MWH) 2,294,374 .7,562,932 iross Elec Ener (MWH) .754,120 .0 .0 et Elec Ener (MWH) .754,120 .10.0 .88.7 nit Avail Factor .100.0 .10 .88.7 nit Cap Factor (DER Net) .98.5 .80.3 .3 nit Cap Factor (DER Net) .98.5 .10.3 .0 orced Outage Rate .0 .0 .296.6 hutdowns Sched Over Next 6 Months (T



Report	Period A	PR 19	84		UN	IT SHU	троы	NS / R	EDUCTIONS ************************************
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
277	04/01/84	S	0.0	В	5				DERATED FOR CONTROL ROD SEQUENCE EXCHANGE.
278	04/03/84	F	0.0	В	5				DERATED FOR "C" REACTOR FEEDWATER PUMP MAINTENANCE AND CONTROL ROD PATTERN ADJUSTMENT.
279	04/08/84	F	0.0	В	5				DERATED FOR MAINTENANCE ON "B" REACTOR FEEDWATER PUMP.
280	04/28/84	s	0.0	В	5				DERATED FOR TURBINE CONTROL VALVE TESTS, SI'S, AND CONTROL ROD PATTERN ADJUSTMENT.

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

******** F A C	ILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEALABAMA	UTILITY LICENSEETENNESSEE VALLEY AUTHORITY
COUNTYLIMESTONE	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR10 MI NW OF DECATUR, ALA	CHATTANOOGA, TENNESSEE 37401 CONTRACTOR ARCHITECT/ENGINEERTENNESSEE VALLEY AUTHORITY
TYPE OF REACTOR BWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITY AUGUST 17, 1973	CONSTRUCTOR
DATE ELEC ENER 1ST GENER OCTOBER 15, 1973	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE AUGUST 1, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATER TENNESSEE RIVER	IE RESIDENT INSPECTORJ. PAULK
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERR. CLARK DOCKET NUMBER
KELIADILITY COUNCIL	LICENSE & DATE ISSUANCEDPR-33, DECEMBER 20, 1973
	PUBLIC DOCUMENT ROOMATHENS PUBLIC LIBRARY SOUTH AND FORREST
	ATTICAS, ALADATIA SOBIL

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - MARCH 25 (84-10): THIS ROUTINE INSPECTION INVOLVED 46 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, REPORTABLE OCCURRENCES, SURVEILLANCE, SECURITY, AND MAINTENANCE. OF THE FIVE AREAS INSPECTED, THERE WAS ONE VIOLATION IN THE AREA OF SURVEILLANCE FOR AN INADEQUATE SURVEILLANCE PROCEDURE RELATED TO AIRBORNE EFFLUENT SAMPLING.

INSPECTION MARCH 26-29 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, IE BULLETINS, AND LICENSEE EVENT REPORTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - REACTOR VESSEL SUPPORT SKIRT WELD EXAMINATIONS - PARAGRAPH 3).

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO A VITAL AREA.

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

-15

***** * BROWNS FERRY 1 *****

ENFORCEMENT SUMMARY

(8351 3)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES. THE PLANT CLEARANCE PROCEDURE (STANDARD PRACTICE 14.25) FOR TAGOUT OF EQUIPMENT SPECIFIES REQUIREMENTS TO BE FOLLOWED IN PLACING EQUIPMENT IN AND OUT OF SERVICE. CONTRARY TO THE ABOVE, THE REQUIREMENTS OF BE 14.25 WERE NOT MET IN THAT TAGOUT CLEARANCE PROCEDURES WERE NOT FOLLOWED FOR PLACING THE ROOT VALVE FOR PRESSURE TRANSMITTER 64-137 AND 64-138 BACK IN SERVICE ON OCTOBER 18, 1983, ON CLEARANCE 83-1232. THE OPERATOR ASSIGNED TO RETURN THE SYSTEM TO SERVICE DID NOT PLACE THE VALVE IN THE OPEN POSITION AND DID NOT REMOVE THE TAG ATTACHED TO THE VALVE. THIS RESULTED IN THE DRYWELL TO TORUS INSTRUMENTATION BEING OUT OF THE VALVE WAS NOT VERIFIED OPEN DURING PRE-STARTUP VALVE LINEUPS. THE VALVE WAS SERVICE DURING POWER OPERATION. ADDITIONAL DURING A RUJTINE SURVEILLANCE. 10 CFR 50, APPENDIX B, CRITERION X REQUIRES THAT A FOUND MISPOSITIONED 5 DAYS AFTER UNIT STAR PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED AND EXECUTED BY OR FOR THE ORGANIZATION PERFORMING THE ACTIVITY TO VERIFY CONFORMANCE WITH THE DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS FOR ACCOMPLISHING THE ACTIVITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT PRIOR TO UNIT 1 STARTUP NUMEROUS WORK ACTIVITIES WERE NOT ADEQUATELY INSPECTED TO INSURE PROPER MATERIAL CONDITIONS. STANDARD PRACTICE BE 12.18, UNIT PRESTARTUP REVIEW, WAS INADEQUATELY PERFORMED IN THAT COMPLETED MAINTENANCE WAS NOT VERIFIED COMPLETED. EXAMPLES OF THE ABOVE ARE AS FOLLOWS: (1) CONTAINMENT ATMOSPHERIC DILUTION VALVES 84-84/D SUPPORT MISSING; (2) AIR SOLENOID VALVES TO BOTH REACTOR BUILDING TO TORUS VACUUM BREAKERS NOT BOLTED DOWN; (3) TORUS ISOLATION VALVE FOR LEVEL TRANSMITTER 64-1598 MISSING A BODY-TO-BONNET RETAINING NUT; (4) CONDUIT FOR CORE SPRAY PUMP MOTOR LEADS '1D' NOT SUPPORTED; (5) RESIDUAL HEAT REMOVAL PUMP 'B' AND 'D' AREA NOT ADEQUATELY CLEANED; (6) POWER LEADS TO CORE SPRAY MOTOR OPERATED VALVE 75-30 CONDUIT SUPPORT BRACKETS MISSING; (7) CONDENSATE TRANSFER PIPING, UNIT 1 REACTOR BUILDING (SOUTHEND, ELEVATION 565 FT.), CABLE SUPPORT BROKEN; (8) VARIOUS VALVE PACKING GLAND RETAINERS/LOCK NUTS NOT INSTALLED OR SECURED. EXAMPLES: 0-85-502, 1-77-661, VENT VALVE FOR PRESSURE INDICATOR 85-2, INSTRUMENT VALVES FOR LEVEL TRANSMITTER 64-1598, 64-159A; (9) SEVERAL RESISTANCE DETECTOR CONNECTING WIRES PULLED FROM CONDUIT CABLES FOR TORUS TEMPERATURE MONITORING; (10) SEVERAL ELECTRICAL CONDUITS ON HIGH PRESSURE COOLANT INJECTION SYSTEM NOT MOUNTED TO SUPPORT BRACKETS; (11) UNIT 2 RCIC STEAM SUPPLY LINE TRAP HAD DAMAGED CONDUITS DUE TO OVERHEATING; (12) RHR PUMP 2D INSTRUMENT LINE NOT MOUNTED. TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED, APPROVED AND ADHERED TO RELATED TO PLANT STARTUP AND OPERATION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT: (A) OPERATING INSTRUCTION 64 (PRIMARY CONTAINMENT SYSTEM STARTUP CHECKLISTS AND VALVE LINEUPS) WAS FOUND TO BE INADEQUATE SINCE IT DOES NOT INCLUDE THE INSTRUMENT ISOLATION VALVES FOR THE DRYWELL AND TORUS PRESSURE SENSING LINES CONNECTED TO PRESSURE TRANSMITTERS PDT 64-137 AND PDT 64-138. FAILURE TO HAVE ONE OF THESE VALVES IN SERVICE RESULTED IN BOTH OF THE DRYWELL TO TORUS DIFFERENTIAL PRESSURE INSTRUMENTS BEING OUT OF SERVICE DURING POWER OPERATION. (B) GENERAL OPERATING INSTRUCTION 100-1 (PRE-STARTUP CHECKLISTS) REQUIRED THAT ALL CHART RECORDERS ON PANEL 9-3 BE PLACED IN SERVICE PRIOR TO STARTUP OF UNIT 1 ON DECEMBER 29, 1983. THE RECORDER'S TORUS PRESSURE INDICATING CIRCUIT REMAINED DEENERGIZED UNTIL JANUARY 10, 1984. TECHNICAL SPECIFICATION 3.6.8.3 REQUIRES THAT AT STEAMING RATES GREATER THAN 100,000 LB/HR., THE REACTOR WATER QUALITY CHLORIDE MAXIMUM LIMIT OF 0.5 PPM SHALL NOT BE EXCEEDED. EXCEEDING THIS LIMIT SHALL BE CAUSE FOR PLACING THE REACTOR IN THE COLD SHUTDOWN CONDITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT REACTOR WATER QUALITY CHLORIDE EXCEEDED 0.5 PFM FROM 0320 A.M. TO 11:40 A.M. ON DECEMBER 31, 1983, WITHOUT ANY ACTION BEING TAKEN TO COMMENCE AN ORDERLY SHUTDOWN. AN ORDERLY SHUTDOWN WAS INITIATED AT 12:20 P.M., DECEMBER 31, 1983, DUE TO WATER QUALITY BEING OUT OF SPECIFICATION AND POSSIBLE RESIN INTRUSION. OPERATIONAL SUPERVISORY PERSONNEL WERE NOT MADE AWARE OF THE CHLORIDE OUT OF SPECIFICATION CONDITION UNTIL 11:05 A.M., DECEMBER 31, 1983. AN ORDERLY SHUTDOWN WAS TERMINATED AT 2:35 P.M. AFTER CHLORIDE CONCENTRATION WAS CONFIRMED TO BE WITHIN SPECIFICATION AND THE SUSPECTED SOURCE ISOLATED. (8360 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIV: . S AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CI. UMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MECHANICAL INSTRUMENTS AND CONTROLS DRAWING 47W600-133 INCORRECTLY SHOWED THE INSTRUMENT LINES BETWEEN THE DRYWELL AND TORUS TO TRANSMITTERS PT-64-135 AND PDT-64-137. THESE LINES WERE FOUND REVERSED FROM THE DRAWING INDICATION DURING A RESIDENT INSPECTOR WALKDOWN OF THE SYSTEM. SYSTEM OPERATION WAS NOT IMPAIRED AS THE INSTALLATION WAS CORRECT WITH ONLY THE DRAWING IN ERROR. (8360 5)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT DETAILED RADIATION CONTROL PROCEDURES SHALL BE PREPAREED, APPROVED AND ADHERED TO.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

CONTRARY TO THE ABOVE, RADIATION CONTROL PROCEDURES WERE NOT PREPARED, APPROVED, AND ADHERED TO IN THAT: (A) THE RADIOACTIVE WASTE CLASSIFICATION, WASTE STABILITY, MANIFEST PREPARATION AND OTHER APPLICABLE PROVISIONS OF 10 CFR PART 61 AND 10 CFR 20.311 HAVE NOT BEEN INCORPORATED INTO LOCAL RADIOACTIVE MATERIALS SHIPPING PROCEDURES. BROWNS FERRY HAS MADE TEN RADIOACTIVE WASTE SHIPPINGS SINCE THE NEW REQUIREMENTS WERE EFFECTIVE ON DECEMBER 27, 1983. (B) LOCAL RADIOACTIVE MATERIAL SHIPMENT PROCEDURES DO NOT ADDRESS WHAT ACTIONS ARE REQUIRED TO ENSURE A SIMILAR DEGREE OF CONTROL AS WAS AFFORDED THE INITIAL SHIPMENT WHEN A RADIOACTIVE MATERIALS TRANSPORT HAS TO RETURN TO THE LICENSE'S SITE TO BE RELOADED TO CORRECT AN OVERWEIGHT CONDITION. SUCH AN EVENT HAS OCCURRED TWICE IN CALENDAR YEAR 1983. (C) ON JANUARY 11, 1984, A LICENSEE EMPLOYEE EXILED A CONTAMINATION CONTROL ZONE AND DID NOT FERFORM A WHOLE BODY FPISK OF HIS PERSON FOR CONTAMINATION CONTRARY TO STATION RADIOLOGICAL CONTROL MINATION CONTROL ZONE (RCI)-1, SECTION III, PARAGRAFH IV WHICH REQUIRES THAT EACH PERSON WHO EXITS A CONTAMINATION CONTROL ZONE PERFORM A WHOLE BODY FPISK OF FIVE INDIVIDUALS SORTING CONTAMINATED TRASH ON THE 565' ELEVATION OF THE UNIT THREE TURBINE BUILDING WERE NOT COMPLYING WITH ALL THE REQIREMENTS OF THE CONTROLLING SPECIAL WORK PERMIT (SWP) IN THAT SWP 01-3-00139 (8403 4)

10CFR71.5A REQUIRES EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE THE CONFINES OF ITS PLANT OR OTHER PLACE OF USE, OR WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49CFR PARTS 170-189. 49CFR172,202A REQUIRES THAT THE SHIPPING DESCRIPTION OF A HAZARDOUS MATERIAL ON THE SHIPPING PAPER MUST CONTAIN THE APPROPRIATE LISTED INFORMATION: PROPER SHIPPING NAME PRESCRIBED FOR THE MATERIAL 172, 101 AND ID NUMBER (PRECEDED BY "UN" OR "NA") PRESCRIBED FOR THE MATERIAL IN THE SAME SECTION. 49CFR172.101 GIVES THE PROPER SHIPPING NAME AND ID NUMBER FOR A LOW SPECIFIC ACTIVITY MATERIAL AS "RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY OR LSA, N.O.S., UN 2912". 49CFR172.203(D)(1) REQUIRES THAT THE DESCRIPTION FOR A SHIPMENT OF RADIOACTIVE MATERIAL MUST CONTAIN THE LISTED INFORMATION INCLUDING THE NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL THAT IS LISTED IN 173,390 OF THIS SUBCHAPTER. 10CFR30,41C REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OR AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. THE STATE OF SOUTH CAROLINA LICENSE NUMBER 97 TO CHEM-NUCLEAR SYSTEMS, INC., FOR THE OPERATION OF THE RADIOACTIVE WASTE DISPOSAL SITE NEAR BARNWELL, S.C., LICENSE CONDITION & STATES THAT ONLY RADIOACTIVE MATERIAL CONSIGNED FOR BURIAL SHALL BE RECEIVED AT THE BARNWELL SITE, UNLESS OTHERWISE AUTHORIZED BY THE LICENSE OR STATE OF SOUTH CAROLINA. (A) CONTRARY TO THE ABOVE, THE SHIPPING PAPERS OF A LOW SPECIFIC ACTIVITY SHIPMENT OF A BOX OF RADIOACTIVE TOOLS ON 1/3/84 UNDER CONTROL NUMBER 0184-166-5 WERE IMPROPERLY FREE ST. IN THAT RADIOACTIVE MATERIAL DESCRIPTION ON TVA FORM 17111, THE SHIPPING MANIFEST, DID NOT SPECIFY PROPER SHIPPING NAME, ID NULLER OR NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL. (B) CONTRARY TO THE ABOVE, RADIOACTIVE MATERIAL WAS TRANSFERRED TO AN AGREEMENT STATE LICENSE PRIOR TO DETERMINING THE TRANSFEREE WAS AN AUTHORIZED RECIPIENT IN THAT, ON 1/3/84, RADIOACTIVE MATERIAL OTHER THAN WASTE, A BOX OF RADIOACTIVE TOOLS NOT INTENDED FOR DISPOSAL, WAS TRANSFERRED TO THE BARMMELL SITE IN THE ABSENCE OF A PRIOR APPROVAL. 10 CFR 20.408(A) STATES THAT THIS SECTION APPLIES TO EACH PERSON LICENSED BY THE COUNTISSION TO: (1) OPERATE & NUCLEAR REACTOR DESIGNED TO PRODUCE ELECTRICAL ... ENERGY ... 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL TERMINATES EMPLOYMENT WITH A LICENSEE DESCRIBED IN PARAGRAPH (A) OF THIS SECTION ... THE LICENSEE SHALL FURNISH TO THE ... CONMISSION, A REPORT OF THE INDIVIDUAL'S EXPOSURES TO RADIATION AND RADIOACTIVE MATERIAL. 10 CFR 20.409(B) STATES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION OR RADIOACTIVE MATERIAL, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL COMPLY WITH THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. 10 CFR 19, 13(A) REQUIRES THAT THE RESULTS OF ANY MEASUREMENTS, ANALYSES, AND CALCULATIONS OF RADIOACTIVE MATERIAL DEPOSITED OR RETAINED IN THE BODY OF AN INDIVIDUAL, SHALL BE REPORTED TO THE INDIVIDUAL IN THAT WHEN THE LICENSEE DETECTS QUANTITIES OF RADIOACTIVITY ABOVE THEIR ANALYSE EQUIPMENT'S LOWER LIMIT OF DETECTION BUT LESS THAN TWO PERCENT OF THE MAXIMUM PERMISSIBLE ORGAN BURDEN, THE REPORT TO THE INDIVIDUAL STATES THAT NO RADIOACTIVITY WAS DETECTED. 10 CFR 20.203(E)(1) REQUIRES THAT EACH AREA OR ROOM IN WHICH LICENSED MATERIAL IS USED OR STORED AND WHICH CONTAINS ANY RADIOACTIVE MATERIAL IN AN AMOUNT EXCEEDING 10 TIMES THE QUANTITY OF SUCH MATERIAL SPECIFIED IN APPENDIX C OF THIS PART SHALL BE CONSPICUOUSLY POSTED WITH A SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOPL AND THE WORDS: CAUTION, OR DANGER, RADIOACTIVE MATERIALS. CONTRARY TO THE ABOVE, THE USED LAUNDERED ANTI-CONTAMINATION CLOTHING STORAGE RACKS ALONG THE WALLS OF THE SERVICE BUILDING MAIN PASSAGEWAY 562' ELEVATOR CONTAIN AMOUNTS OF LICENSED MATERIAL IN EXCESS OF 10 TIMES APPENDIX C QUANTITIES AND IS NOT POSTED. (8403 5)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

PROCEDURES. OR DRAWINGS. OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT STANDARD PRACTICE 23.1 (NUCLEAR DIGITAL COMPUTER SOFTWARE SYSTEMS) WAS NOT ADEQUATELY ACCOMPLISHED TO CONTROL THE KE BREAKPOINT FACTOR USED IN THE DETERMINATION OF THE MINIMUM CRITICAL POWER RATIO (MCPR) CORRECTION FOR REDUCED FLOW. THIS RESULTED IN NONCONSERVATIVE CALCULATIONS BY THE PROCESS COMPUTER OF THE MCPR LIMIT FROM THE BEGINNING OF CYCLE STARTUP ON DECEMBER 29, 1933 UNTIL JANUARY 30, 1984. A FACTOR OF 0.75 WAS USED INSTEAD OF 0.80. MCPR REQUIREMENTS ARE SPECIFIED IN TECHNICAL SPECIFICATION 3.5.K. TECHNICAL SPECIFICATION 3.7. G.2 REQUIRES THAT THE CONTAINMENT ATMOSPHERE DILUTION (CAD) SYSTEM SHALL BE OPERABLE WHENEVER THE REACTOR MODE SWITCH IS IN THE "RUN" POSITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE TWO INDEPENDENT CAD SYSTEMS WERE INOPERABLE FROM JANUARY 25-27, 1984, FOR 40 HOURS DUE TO ISOLATION VALVES 0-84-506 AND 0-84-556 IN THE CAD TANK PRESSURE BUILDUP CIRCUIT BEING SHUT CONTRARY TO OPERATING REQUIREMENTS. UNITS ONE AND TWO WERE OPERATING IN THE "RUN" MODE DURING THIS TIME. TECHNICAL SPECIFICATION 6.3.A. 1 REQUIRES THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT PLANT OPERATING INSTRUCTION OI-84 FOR THE CONTAINMENT ATMOSPHERE DILUTION (CAD) SYSTEM WAS NOT FOLLOWED ON JANUARY 25, 1984, RESULTING IN TWO VALVES (0-84-506 ON SYSTEM "A" AND 0-84-556 ON SYSTEM "B") BEING LEFT MISALIGNED IN THE SHUT POSITION AFTER A ROUTINE NITROGEN ADDITION TO THE TWO CONTAINMENT ATMOSPHERE DILUTION TANKS. THESE VALVES ISOLATED THE CAD TANK AUTOMATIC PRESSURE BUILDUP CONTROL CIRCUIT. (8407 4)

TOCERSO, APP. B. CRIT. V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS. PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT SI 4.8. B. 2-3A CAIRBORNE EFFLUENTS WEEKLY GAMMA ISOTOPIC) WAS INADEQUATE AND RESULTED IN SEVERAL ERRORS BEING MADE DURING THE PERFORMANCE OF THE INSTRUCTION FOR THE STACK MONITOR (0-RE-90-252) AND UNIT 2 TURBINE BUILDING ROOF EXHAUST FAN (2-RE-90-251). ALTHOUGH PROCEDURE 1053 WAS RECENTLY REVISED ON 2/17/84 SEVEN EXAMPLES OF PROBLEMS OR UNCLEAR INSTRUCTIONS WERE IDENTIFIED AS LISTED BELOW: 1) STEP 1. I.C. REQUIRES THAT ANY MARINELLI USED ON VENTILATION CAM SAMPLES SHOULD BE IDENTIFIED UNIQUELY AND CHECKED FOR BACKGROUND RADIATION PRIOR TO USE. THE BREAKERS ARE NOT UNIQUELY IDENTIFIED AND ARE CHECKED AFTER FIVE USES. 2) STEP III.E. ADDRESSED THE CONNECTION OF SAMPLING EQUIPMENT ACCORDING TO A REFERENED FIGURE BUT ONLY ONE OUT OF SIX FIGURES DELAYED THE PRESSURE GAUGES NEEDED TO OBTAIN DATA IN THE SAMPLES, THE EQUIPMENT WAS NOT CONNECTED AS SPECIFIED. 3) STEP F, REQUIRES THAT ALL SAMPLE VALVES BE OPENED BUT THESE VALVES WERE NOT IDENTIFIED BY VALVE LUMBERS OR THE QUANTITY OF SAMPLE VALVES TO OPEN. 4) STEP III.N. CONTAINS & FORMULA FOR CORRECTING THE MARINELLI BREAKER VOLUME FOR PRESSURE/VACUUM EFFECTS. THIS FORMULA, IF USED AS IMPLIED, GIVES AN INCORRECT ANSWER. AN INCORRECT CALCULATION WAS MADE THICE WHILE BEING OBSERVED. 5) S.I.4.8.B.2-3A, REQUIRES THE RECORDING OF THE AS-FOUND POSITION OF THE INLET VALVES TO THE MONITOR BUT NO PLACE WAS PROVIDED IN THE PROCEDURE. FURTHER, ON MONITOR 2-RE-90-250, NO ID TAGS WERE ON THE VALVES TO IDENTIFY THEM. 6) S.I.4.8.B.2-3A, STEP 2, REQUIRES RECORDING OF STACK MONITOR CHANNEL & AND B READINGS IN COUNTS PER SECOND. THE COMPUTER PROGRAM RUN TO EVALUATE THE DATA REQUIRES ONLY ONE ENTRY FOR THE COUNTS PER SECOND AND DOES NOT SPECIFY WHETHER TO AVERAGE THE TWO VALVES, USE LOW OR HIGH. THE ANALYST WAS UNSURE WHAT TO USE AND THE LOW VALUE WAS USED IN THE CALCULATION. 7) S. I. 4. 8. B. 2-3A DATA COVER SHEET ASKS 'YES' OR 'NO' WHETHER THE TECH SPEC CRITERIA AND S. I. CRITERIA ARE SATISFIED; THE RULE OR TEST OF THIS JUDGEMENT IS BEING APPLIED TO IS UNCLEAR AND IS NOT SPECIFIED IN THE PROCEDURE. (8410 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Perio	d APR 1984	I	NSPE	CTION	STATU	JS -	(CONTINUED)	**************************************
OTHER ITEMS								
NONE.								
MANAGERIAL	ITEMS:							
NONE.								
PLANT STAT	US:							
NORMAL OPE	RATION. +							
LAST IE SI	TE INSPECTI	ON DATE: M	ARCH 26	29, 1984 +				
INSPECTION	REPORT NO:	50-259/84	-11 +					
				REPORT	SFRO	ML	ICENSEE	
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT					
84-016/	02/29/84	03/23/84	UNIT 1	SCRAMMED BECA	USE OF VIB	RATION	INDUCED BY ELEC	TRICIANS.
84-017/	03/13/84	04/06/84	ROUTINE TO PERS	FUNCTIONAL CONNEL ERROR.	HECK FOR R	ADIATI	N MONITOR RM-90	-259 WAS NOT PERFORMED WITHIN SCHEDULE, DUE
84-018/	03/20/84	04/03/84	INBOARD	VALVE WAS CY	CLED SUCCE	SSFULLY	AND MET ALL ST	ROKE TIME REQUIREMENTS.
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1.	Docket: _50-260_	OPERA	TINGS	TATUS
2.	Reporting Period:	84 Outage	e + On-line	Hrs: 719.0
3.	Utility Contact: TEDHO	M (205) 72	9-0834	
4.	Licensed Thermal Power (M	Wt):		3293
5.	Nameplate Rating (Gross M	We):	1280 X	0.9 = 1152
6.	Design Electrical Rating	(Net MWe):		1065
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1098
8.	Maximum Dependable Capaci	ty (Net MW	.):	1065
9.	If Changes Occur Above Si NONE	nce Last Re	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	Ue):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12	Report Period Hrs	MONTH 7 19.0	YEAR 2,903.0	CUMULATIVE 80,376.0
13.	Hours Reactor Critical	719.0	2,612.8	_ 52,576.7
14.	Rx Reserve Shtdwn Hrs	. 0	290.2	14,190.5
15.	Hrs Generator On-Line	719.0	2,568.2	51,061.2
16.	Unit Reserve Shtdwn Hrs			. 0
17.	Gross Therm Ener (MWH)	1,452,694	6,487,222	146,632,267
18.	Gross Elec Ener (MUH)	461,900	2,113,070	48,710,358
19.	Net Elec Ener (MWH)	450,808	2,056.996	47,315,599
20.	Unit Service Factor	100.0	88.5	63.5
21.	Unit Avail Factor	100.0		63.5
22.	Unit Cap Factor (MDC Net)	58.9	66.5	55.3
23.	Unit Cap Factor (DER Not)	58.9	66.5	55.3
24.	Unit Forced Outage Rate	. 0	8.3	24.1
25.	Forced Outage Hours	. 0	233.8	16,288.8
26.	Shutdowns Sched Over Next	6 Months (Type, Date, I)uration):
	AUGUST 1984 - REFUELING &	MAINTENANC	E	
27.	If Currently Shutdown Esti	imated Star	tup Date:	N/A



Report	Period Al	PR 198	84		UN	ΙŢ	รหบ	троы	NSZ	REDUCTIONS ************************************	*
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Componen	t Cause & Corrective Action to Prevent Recurrence	
292	14/01/84	5	0.0	н	5					DERATED TO EXTEND FUEL CYCLE INTO AUGUST 1984.	

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

* BROWNS FERRY 2 * FACILITY DESCRIPTION LOCATION STATE.....ALABAMA COUNTY.....LIMESTONE DIST AND DIRECTION FROM NEAREST POPULATION CTR...10 MI NM 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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

STATEALLY & CONTRACTOR IN ORMATION

UTILITY LICENSEE.....TENNESSEE VALLEY AUTHORITY

CONTRACTOR

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSE & DATE ISSUANCE.... DPR-52, AUGUST 2, 1974

FUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY SOUTH AND FORREST ATHENS, ALARAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - MARCH 25 (84-10): THIS ROUTINE INSPECTION INVOLVED 46 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, REPORTABLE OCCURRENCES, SURVEILLANCE, SECURITY, AND MAINTENANCE. OF THE FIVE AREAS INSPECTED, THERE WAS ONE VIOLATION IN THE AREA OF SURVEILLANCE FOR AN INADEQUATE SURVEILLANCE PROCEDURE RELATED TO AIRBORNE EFFLUENT SAMPLING.

INSPECTION MARCH 26-29 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF FREVIOUS ENFORCEMENT MATTERS, IE BULLETINS, AND LICENSEE EVENT REPORTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - REACTOR VESSEL SUPPORT SKIRT WELD EXAMINATIONS - PARAGRAPH 3).

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO A VITAL AREA.

ENFORCEMENT SUMMARY

(8351 3)

10 CFR 50. APPENDIX B. CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED AND EXECUTED BY OR FOR THE ORGANIZATION PERFORMING THE ACTIVITY TO VERIFY CONFORMANCE WITH THE DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS FOR ACCOMPLISHING THE ACTIVITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT PRIOR TO UNIT I STARTUP NUMEROUS WORK ACTIVITIES WERE NOT ADEQUATELY INSPECTED TO INSURE PROPER MATERIAL CONDITIONS. STANDARD PRACTICE BF 12.18, UNIT PRESTARTUP REVIEW, WAS INADEQUATELY PERFORMED IN THAT COMPLETED MAINTENANCE WAS NOT VERIFIED COMPLETED. EXAMPLES OF THE ABOVE ARE AS FOLLOWS: (1) CONTAINMENT ATMOSPHERIC DILUTION VALVES 84-84/D SUPPORT MISSING; (2) AIR SOLENOID VALVES TO BOTH REACTOR BUILDING TO TORUS VACUUM BREAKERS NOT BOLTED DOWN; (3) TORUS ISOLATION VALVE FOR LEVEL TRANSMITTER 64-159B MISSING A BODY-TO-BONNET RETAINING NUT; (4) CONDUIT FOR CORE SPRAY PUMP MOTOR LEADS '1D' NOT SUPPORTED; (5) RESIDUAL HEAT REMOVAL PUMP 'B' AND 'D' AREA NOT ADEQUATELY CLEANED; (6) POWER LEADS TO CORE SPRAY MOTOR OPERATED VALVE 75-30 CONDUIT SUPPORT BRACKETS MISSING; (7) CONDENSATE TRANSFER PIPING, UNIT 1 REACTOR BUILDING (SOUTHEND, ELEVATION 565 FT.), CABLE SUPPORT BROKEN: (8) VARIOUS VALVE PACKING GLAND RETAINERS/LOCK NUTS NOT INSTALLED OR SECURED. EXAMPLES: 0-85-502, 1-77-661, VENT VALVE FOR PRESSURE INDICATOR 85-2, INSTRUMENT VALVES FOR LEVEL TRANSMITTER 64-1598, 64-1598; (9) SEVERAL RESISTANCE DETECTOR CONNECTING WIRES PULLED FROM CONDUIT CABLES FOR TORUS TEMPERATURE MONITORING; (10) SEVERAL ELECTRICAL CONDUITS ON HIGH PRESSURE COOLANT INJECTION SYSTEM NOT MOUNTED TO SUPPORT BRACKETS: (11) UNIT 2 RCIC STEAM SUPPLY LINE TRAP HAD DAMAGED CONDUITS DUE TO OVERHEATING: (12) RHR PUMP 2D INSTRUMENT LINE NOT TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED, APPROVED AND ADHERED TO RELATED MOUNTED. TO PLANT STARTUP AND OPERATION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT: (A) OPERATING INSTRUCTION 64 (PRIMARY CONTAINMENT SYSTEM STARTUP CHECKLISTS AND VALVE LINEUPS) WAS FOUND TO BE INADEQUATE SINCE IT DOES NOT INCLUDE THE INSTRUMENT ISOLATION VALVES FOR THE DRYWELL AND TORUS PRESSURE SENSING LINES CONNECTED TO PRESSURE TRANSMITTERS FDT 64-137 AND PDT 64-138. FAILURE TO HAVE ONE OF THESE VALVES IN SERVICE RESULTED IN BOTH OF THE DRYWELL TO TORUS DIFFERENTIAL PRESSURE INSTRUMENTS BEING OUT OF SERVICE DURING POWER OPERATION. (B) GENERAL OPERATING INSTRUCTION 100-1 (PRE-STARTUP CHECKLISIS) REQUIRED THAT ALL CHART RECORDERS ON PANEL 9-3 BE PLACED IN SERVICE PRIOR TO STARTUP OF UNIT 1 ON DECEMBER 29, 1983. THE RECORDER'S TORUS PRESSURE INDICATING CIRCUIT REMAINED DEENERGIZED UNTIL JANUARY 10, 1984. (8360 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MECHANICAL INSTRUMENTS AND CONTROLS DRAWING 47W600-133 INCORRECTLY SHOWED THE INSTRUMENT LINES BETWEEN THE DRYWELL AND TORUS TO TRANSMITTERS PT-64-135 AND PDT-64-137. THESE LINES WERE FOUND REVERSED FROM THE DRAWING INDICATION DURING A RESIDENT INSPECTOR WALKDOWN OF THE SYSTEM. SYSTEM OPERATION WAS NOT IMPAIRED AS THE INSTALLATION WAS CORRECT WITH ONLY THE DRAWING IN ERROR. (8360 5)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT DETAILED RADIATION CONTROL PROCEDURES SHALL BE PREPAREED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE, RADIATION CONTROL PROCEDURES WERE NOT PREPARED, APPROVED, AND ADHERED TO IN THAT: (A) THE RADIGACTIVE WASTE CLASSIFICATION, WASTE STABILITY, MANIFEST PREPARATION AND OTHER APPLICABLE PROVISIONS OF TO CFR PART 61 AND TO CFR 20.311 HAVE NOT BEEN INCORPORATED INTO LOCAL RADIGACTIVE MATERIALS SHIPPING PROCEDURES. BROWNS FERRY HAS MADE TEN RADIGACTIVE WASTE SHIPMENTS SINCE THE NEW REQUIREMENTS WERE EFFECTIVE ON DECEMBER 27, 1983. (B) LOCAL RADIGACTIVE MATERIAL SHIPMENT PROCEDURES DO NOT ADDRESS WHAT ACTIONS ARE REQUIRED TO ENSURE A SIMILAR DEGREE OF CONTACL AS WAS AFFORDED THE INITIAL SHIPMENT MHEH A RADIGACTIVE MATERIALS TRANSPORT HAS TO RETURN TO THE LICENSEE'S SITE TO BE RELOADED TO CORRECT AN OVERWEIGHT CONDITION. SUCH AN EVENT HAS OCCURRED TWICE IN CALENDAR YEAR 1983. (C) ON JANUARY 11, 1934, A LICENSEE EMPLOYEE EXITED A CONTAMINATION CONTROL ZONE AND DID NOT PERFORM A WHOLE BODY FRISK OF HIS PERSON FOR CONTAMINATION CONTRARY TO STATION RADIOLOGICAL CONTROL INSTRUCTION (RCI)-1, SECTION III, PARAGRAPH IV WHICH REQUIRES THAT EACH PERSON WHO EXITS A CONTAMINATION CONTROL ZONE PERFORM A WHOLE BODY FRISK. (D) ON JANUARY 11, 1984, THREE OF FIVE INDIVIDUALS SORTING CONTROLING SPECIAL WORK PERMIT (SUP) IN THAT SUP 01-3-00139 REQUIRED TAPING OF ANTI-CONTAMINATION GLOVES CLOSED AROUND THE COVERALL SLEEVES AND THESE THREE WORKERS HAD NOT DONE SO.

10CFR71.5A REQUIRES EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE THE CONFINES OF ITS PLANT OR OTHER PLACE OF USE, OR WHO

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49CFR PARTS 170-189. 49CFR172.202A REQUIRES THAT THE SHIPPING DESCRIPTION OF A HAZARDOUS MATERIAL ON THE SHIPPING PAPER MUST CONTAIN THE APPROPRIATE LISTED INFORMATION: PROPER SHIPPING NAME PRESCRIBED FOR THE MATERIAL 172.101 AND ID NUMBER (PRECEDED BY "UN" OR "NA") PRESCRIBED FOR THE MATERIAL IN THE SAME SECTION. 49CFR172.101 GIVES THE PROPER SHIPPING NAME AND ID NUMBER FOR A LOW SPECIFIC ACTIVITY MATERIAL AS "RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY OR LSA, N.O.S., UN 2912". 49CFR172.203(D)(1) REQUIRES THAT THE DESCRIPTION FOR A SHIPMENT OF RADIOACTIVE MATERIAL MUST CONTAIN THE LISTED INFORMATION INCLUDING THE NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL THAT IS LISTED IN 173.390 OF THIS SUBCHAPTER. 10CFR30.41C REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OR AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. THE STATE OF SOUTH CAROLINA LICENSE NUMBER 97 TO CHEM-NUCLEAR SYSTEMS, INC., FOR THE OPERATION OF THE RADIOACTIVE WASTE DISPOSAL SITE NEAR BARNWELL, S.C., LICENSE CONDITION 8 STATES THAT ONLY RADIOACTIVE MATERIAL CONSIGNED FOR BURIAL SHALL BE RECEIVED AT THE BARNWELL SITE, UNLESS OTHERWISE AUTHORIZED BY THE LICENSE OR STATE OF SOUTH CAROLINA. (A) CONTRARY TO THE ABOVE. THE SHIPPING PAPERS OF A LOW SPECIFIC ACTIVITY SHIPMENT OF A BOX OF RADIOACTIVE TOOLS ON 1/3/84 UNDER CONTROL NUMBER 0184-166-S WERE IMPROPERLY PREPARED IN THAT RADIOACTIVE MATERIAL DESCRIPTION ON TVA FORM 17111, THE SHIPPING MANIFEST, DID NOT SPECIFY PROPER SHIPPING NAME, ID NUMBER OR NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL. (B) CONTRARY TO THE ABOVE, RADIOACTIVE MATERIAL WAS TRANSFERRED TO AN AGREEMENT STATE LICENSE PRIOR TO DETERMINING THE TRANSFERREE WAS AN AUTHORIZED RECIPIENT IN THAT. ON 1/3/84, RADIOACTIVE MATERIAL OTHER THAN WASTE, A BOX OF RADIOACTIVE TOOLS NOT INTENDED FOR DISPOSAL, WAS TRANSFERRED TO THE BARNWELL SITE IN THE ABSENCE OF A PRIOR APPROVAL. 10 CFR 20.408(A) STATES THAT THIS SECTION APPLIES TO EACH PERSON LICENSED BY THE COMMISSION TO: (1) OPERATE A NUCLEAR REACTOR DESIGNED TO PRODUCE ELECTRICAL...ENERGY... 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL TERMINATES EMPLOYMENT WITH A LICENSEE DESCRIBED IN PARAGRAPH (A) OF THIS SECTION... THE LICENSEE SHALL FURNISH TO THE ... COMMISSION, A REPORT OF THE INDIVIDUAL'S EXPOSURES TO RADIATION AND RADIOACTIVE MATERIAL. 10 CFR 20.409(B) STATES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION OR RADIOACTIVE MATERIAL, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL COMPLY WITH THE PROVISIONS OF 19, 13(A) OF THIS CHAPTER. 10 CFR 19.13(A) REQUIRES THAT THE RESULTS OF ANY MEASUREMENTS, ANALYSES, AND CALCULATIONS OF RADIOACTIVE MATERIAL DEPOSITED OR RETAINED IN THE BODY OF AN INDIVIDUAL. SHALL BE REPORTED TO THE INDIVIDUAL IN THAT WHEN THE LICENSEE DETECTS QUANTITIES OF RADIOACTIVITY ABOVE THEIR ANALYSE EQUIPMENT'S LOWER LIMIT OF DETECTION BUT LESS THAN TWO PERCENT OF THE MAXIMUM PERMISSIBLE ORGAN BURDEN, THE REPORT TO THE INDIVIDUAL STATES THAT NO RADIOACTIVITY WAS DETECTED. 10 CFR 20.203(E)(1) REQUIRES THAT EACH AREA OR ROOM IN WHICH LICENSED MATERIAL IS USED OR STORED AND WHICH CONTAINS ANY RADIOACTIVE MATERIAL IN AN AMOUNT EXCEEDING 10 TIMES THE QUANTITY OF SUCH MATERIAL SPECIFIED IN APPENDIX C OF THIS PART SHALL BE CONSPICUOUSLY POSTED WITH A SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOPL AND THE WORDS: CAUTION, OR DANGER, RADIOACTIVE MATERIALS. CONTRARY TO THE ABOVE. THE USED LAUNDERED ANTI-CONTAMINATION CLOTHING STORAGE RACKS ALONG THE WALLS OF THE SERVICE BUILDING MAIN PASSAGEWAY 562' ELEVATOR CONTAIN AMOUNTS OF LICENSED MATERIAL IN EXCESS OF 10 TIMES APPENDIX C QUANTITIES AND IS NOT POSTED. (8403 5)

TECHNICAL SPECIFICATION 3.7.G.2 REQUIRES THAT THE CONTAINMENT ATMOSPHERE DILUTION (CAD) SYSTEM SHALL BE OPERABLE WHENEVER THE REACTOR MODE SWITCH IS IN THE "RUN" POSITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE TWO INDEPENDENT CAD SYSTEMS WERE INOPERABLE FROM JANUARY 25-27, 1984, FOR 40 HOURS DUE TO ISOLATION VALVES 0-84-506 AND 0-84-556 IN THE CAD TANK PRESSURE BUILDUP CIRCUIT BEING SHUT CONTRARY TO OPERATING REQUIREMENTS. UNITS ONE AND TWO WERE OPERATING IN THE "RUN" MOD DURING THIS TIME. TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT PLANT OPERATING INSTRUCTION OI-84 FOR THE CONTAINMENT ATMOSPHERE DILUTION (CAD) SYSTEM WAS NOT FOLLOWED ON JANUARY 25, 1984, RESULTING IN TWO VALVES (0-84-506 ON SYSTEM 'A' AND 0-84-556 ON SYSTEM 'B') BEING LEFT MISALIGNED IN THE SHUT POSITION AFTER A ROUTINE NITROGEN ADDITION OF THE TWO CONTAINMENT ATMOSPHERE DILUTION TANKS. THESE VALVES ISOLATED THE CAD TANK AUTOMATIC PRESSURE BUILDUP CONTROL CIRCUIT. (8407 4)

10CFR50, APP. B, CRIT. V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT SI 4.8.B.2-3A (AIRBORNE EFFLUENTS WEEKLY GAMMA ISOTOPIC) WAS INADEQUATE AND RESULTED IN SEVERAL ERRORS BEING MADE DURING THE PERFORMANCE OF THE INSTRUCTION FOR THE STACK

ENFORCEMENT SUMMARY

MONITOR (0-RE-90-252) AND UNIT 2 TURBINE BUILDING ROOF EXHAUST FAN (2-RE-90-251). ALTHOUGH PROCEDURE 1053 WAS RECENTLY REVISED ON 2/17/84 SEVEN EXAMPLES OF PROBLEMS OR UNCLEAR INSTRUCTIONS WERE IDENTIFIED AS LISTED BELOW: 1) STEP 1.I.C, REQUIRES THAT ANY MARINELLI USED ON VENTILATION CAM SAMPLES SHOULD BE IDENTIFIED UNIQUELY AND CHECKED FOR BACKGROUND RADIATION PRIOR TO USE. THE BREAKERS ARE NOT UNIQUELY IDENTIFIED AND ARE CHECKED AFTER FIVE USES. 2) STEP III.E, ADDRESSED THE CONNECTION OF SAMPLING EQUIPMENT ACCORDING TO A REFERENED FIGURE BUT ONLY ONE OUT OF SIX FIGURES DELAYED THE PRESSURE GAUGES NEEDED TO OBTAIN DATA IN THE SAMPLES, THE EQUIPMENT WAS NOT CONNECTED AS SPECIFIED. 3) STEP F, REQUIRES THAT ALL SAMPLE VALVES BE OPENED BUT THESE VALVES WERE NOT IDENTIFIED BY VALVE NUMBERS OR THE QUANTITY OF SAMPLE VALVES TO OPEN. 4) STEP III.N, CONTAINS A FORMULA FOR CORRECTING THE MARINELLI BREAKER VOLUME FOR PRESSURE/VACUUM EFFECTS. THIS FORMULA, IF USED AS IMPLIED, GIVES AN INCORRECT ANSWER. AN INCORRECT CALCULATION WAS MADE TWICE WHILE BEING OBSERVED. 5) S.I.4.8.B.2-3A, REQUIRES THE RECORDING OF THE AS-FOUND POSITION OF THE INLET VALVES TO THE MONITOR BUT NO PLACE WAS PROVIDED IN THE PROCEDURE. FURTHER, ON MONITOR 2-RE-90-250, NO ID TAGS WERE ON THE VALVES TO IDENTIFY THEM. 6) S.I.4.8.B.2-3A, STEP 2, REQUIRES RECORDING OF STACK MONITOR CHANNEL A AND B READINGS IN COUNTS PER SECOND. THE COMPUTER PROGRAM RUN TO EVALUATE THE DATA REQUIRES ONLY ONE ENTRY FOR THE COUNTS PER SECOND AND DOES NOT SPECIFY WHETHER TO AVERAGE THE TWO VALVES, USE LOW OR HIGH. THE ANALYST WAS UNSURE WHAT TO USE AND THE LOW VALUE WAS USED IN THE CALCULATION. 7) S.I.4.8.B.2-3A DATA COVER SHEET ASKS 'YES' OR 'NO' WHETHER THE TECH SPEC CRITERIA AND S.I. CRITERIA ARE SATISFIED; THE RULE OR TEST OF THIS JUDGEMENT IS BEING APPLIED TO IS UNCLEAR AND IS NOT SPECIFIED IN THE PROCEDURE. (8410 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 26 - 29, 1984 +

INSPECTION REPORT NO: 50-260/84-11 +

REPORTS FROM LICENSEE

*********		*********		
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
NONE.				

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1.	Docket: 50-296 0	PERAT	ING 5	TATUS
2.	Reporting Period: 04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: TED	(205) 729-	0834	
4.	Licensed Thermal Power (MW	it):		3293
5.	Nameplate Rating (Gross MW	le):	1280 X	0.9 = 1152
6.	Design Electrical Rating (Net MWe):		1065
7.	Maximum Dependable Capacit	y (Gross MW	le):	1098
8.	Maximum Dependable Capacit	y (Net MWe)		1065
9.	If Changes Occur Above Sin	ce Last Rep	ort, Give	Reasons:
10.	Power Level To Which Restr	icted, If A	ny (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 62,831.0
13.	Hours Reactor Critical	. 0	. 0	43,088.6
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	3,878.1
15.	Hrs Generator On-Line	. 0	. 0	42,194.5
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	. 0
17.	Gross Therm Ener (MWH)	0	0	126,285,520
18.	Gross Elec Ener (MWH)	0	0	41,597,620
19.	Net Elec Ener (MWH)	0	0	40, 376, 156
20.	Unit Service Factor	. 0	. 0	67.2
21.	Unit Avail Factor	. 0		67.2
22.	Unit Cap Factor (MDC Net)	. 0	. 0	60.3
23.	Unit Cap Factor (DER Net)	. 0	.0	60.3
24.	Unit Forced Outage Rate	. 0	. 0	10.8
25.	Forced Outage Hours	.0	. 0	5,091.4
26.	Shutdowns Sched Over Next	6 Months (T	ype,Date,I)uration):
			and the second second	



APRIL 1984

Report	Period A	PR 19	84		UN	ΙT	5 1	U	TD	0 1		5	1	R	ED	U	c	т 1	I O	N	S #	BROWNS	FERRY	**************************************	***
No.	Date	Type	Hours	Reason	Method	LER	Numt	er	Sv	ster	Ē	omp	onen	Ŧ			C	au	50		orrect	ive Action to I	Prevent	Recurrenc	6
140	09/07/83	5	719.0	c	4										END	-OF	-c	YCI	LE	5 1	REFUEL	OUTAGE CONTINUE	ES.		

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

**************************************	CILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEALABAMA	UTILITY LICENSEETENNESSEE VALLEY AUTHORITY
COUNTYLIMESTONE	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR10 MI NW OF DECATUR, ALA	CONTRACTOR ARCHITECT/ENGINEERTENNESSEE VALLEY AUTHORITY
TYPE OF REACTOR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYAUGUST 8, 1976	CONSTRUCTORTENNESSEE VALLEY AUTHORITY
DATE ELEC ENER 1ST GENERSEPTEMBER 12, 1976	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE MARCH 1, 1977	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERTENNESSEE RIVER	IE RESIDENT INSPECTORJ. PAULK
ELECTRIC RELIABILITY	LICENSING PROJ MANAGERR. CLARK DOCKET NUMBER
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCEDPR-68, AUGUST 18, 1976
	PUBLIC DOCUMENT ROOMATHENS PUBLIC LIBRARY SOUTH AND FORREST ATHENS, ALABAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - MARCH 25 (84-10): THIS ROUTINE INSPECTION INVOLVED 47 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, REPORTABLE OCCURRENCES, SURVEILLANCE, SECURITY, AND MAINTENANCE. OF THE FIVE AREAS INSPECTED, THERE WAS ONE VIOLATION IN THE AREA OF SURVEILLANCE FOR AN INADEQUATE SURVEILLANCE PROCEDURE RELATED TO AIRBORNE EFFLUENT SAMPLING.

INSPECTION MARCH 26-29 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, IE BULLETINS, AND LICENSEE EVENT REPORTS. OF THE IHREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - REACTOR VESSEL SUPPORT SKIRT WELD EXAMINATIONS - PARAGRAPH 3).

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO A VITAL AREA.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

(8351 3)

TECHNICAL SPECIFICATION 6.3.A. 1 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED, APPROVED AND ADHERED TO RELATED TO PLANT STARTUP AND OPERATION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT: (A) OPERATING INSTRUCTION 64 (PRIMARY CONTAINMENT SYSTEM STARTUP CHECKLISTS AND VALVE LINEUPS) WAS FOUND TO BE INADEQUATE SINCE IT DOES NOT INCLUDE THE INSTRUMENT ISOLATION VALVES FOR THE DRYWELL AND TORUS PRESSURE SENSING LINES CONNECTED TO PRESSURE TRANSMITTERS PDT 64-137 AND PDT 64-138. FAILURE TO HAVE ONE OF THESE VALVES IN SERVICE RESULTED IN BOTH OF THE DRYWELL TO TORUS DIFFERENTIAL PRESSURE INSTRUMENTS BEING OUT OF SERVICE DURING POWER OPERATION. (B) GENERAL OPERATING INSTRUCTION 100-1 (PRE-STARTUP CHECKLISTS) REQUIRED THAT ALL CHART RECORDERS ON PANEL 9-3 BE PLACED IN SERVICE PRIOR TO STARTUP OF UNIT 1 ON DECEMBER 29, 1983. THE RECORDER'S TORUS PRESSURE INDICATING CIRCUIT REMAINED DEENERGIZED UNTIL JANUARY 10, 1984. (8360 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MECHANICAL INSTRUMENTS AND CONTROLS DRAWING 47W600-133 INCORRECTLY SHOWED THE INSTRUMENT LINES BETWEEN THE DRYWELL AND TORUS TO TRANSMITTERS PT-64-135 AND PDT-64-137. THESE LINES WERE FOUND REVERSED FROM THE DRAWING INDICATION DURING A RESIDENT INSPECTOR WALKDOWN OF THE SYSTEM. SYSTEM OPERATION WAS NOT IMPAIRED AS THE INSTALLATION WAS CORRECT WITH ONLY THE DRAWING IN ERROR. (8360 5)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT DETAILED RADIATION CONTROL PROCEDURES SHALL BE PREPAREED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE. RADIATION CONTROL PROCEDURES WERE NOT PREPARED, APPROVED, AND ADHERED TO IN THAT: (A) THE RADIOACTIVE WASTE CLASSIFICATION, WASTE STABILITY, MANIFEST PREPARATION AND OTHER APPLICABLE PROVISIONS OF 10 CFR PART 61 AND 10 CFR 20.311 HAVE NOT BEEN INCORPORATED INTO LOCAL RADIOACTIVE MATERIALS SHIPPING PROCEDURES. BROWNS OF 10 CFR PART 61 AND 10 CFR 20.311 SHIPMENTS SINCE THE NEW REQUIREMENTS WERE EFFECTIVE ON DECEMBER 27, 1933. (B) LOCAL RADIOACTIVE MATERIAL SHIPMENT PROCEDURES DO NOT ADDRESS WHAT ACTIONS ARE REQUIRED TO JNSURE A SIMILAR DEGREE OF CONTROL AS WAS AFFORDED THE INITIAL SHIPMENT WHEN A RADIOACTIVE MATERIALS TRANSPORT HAS TO RETURN TO THE LICENSEE'S SITE TO BE RELOADED TO CORRECT AN OVERWEIGHT CONDITION. SUCH AN EVENT HAS OCCURRED TWICE IN CALENDAR YEAR 1983. (C) ON JANUARY 11, 1984, A LICENSEE EMPLOYEE EXTIFED A CONTAMINATION CONTROL ZONE AND DID NOT PERFORM A WHOLE BODY FRISK OF HIS PERSON FOR CONTAMINATION CONTRARY TO STATION RADIOLOGICAL CONTROL INSTRUCTION (RCI)-1, SECTION III, PARAGRAPH IV WHICH REQUIRES THAT EACH PERSON WHO EXITS A CONTAMINATION CONTROL ZONE PERFORM A WHOLE BODY FRISK. (D) ON JANUARY 11, 1984, THREE OF FIVE INDIVIDUALS SORTING CONTAMINATED TRASH ON THE 565' ELEVATION OF THE UNIT TREE TURBINE BUILDING WERE NOT COMPLYING WITH ALL THE REQIREMENTS OF THE CONTROLLING SPECIAL WORK PERMIT (SWP) IN THAT SWP 01-_-00139 REQUIRED TAPING OF ANTI-CONTAMINATION GLOVES CLOSED AROUND THE COVERALL SLEEVES AND THESE THREE WORKERS HAD NOT DONE SO.

10CFR71.5A REQUIRES EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE THE CONFINES OF ITS PLANT OR OTHER PLACE OF USE, OR WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49CFR PARTS 170-189. 49CFR172.202A REQUIRES THAT THE SHIPPING DESCRIPTION OF A HAZARDOUS MATERIAL ON THE SHIPPING PAPER MUST CONTAIN THE APPROPRIATE LISTED INFORMATION: PROPER SHIPPING DAME PRESCRIBED FOR THE MATERIAL 172.101 AND ID NUMBER (PRECEDED BY "UN" OR "NA") PRESCRIBED FOR THE MATERIAL IN THE SAME SECTION. 49CFR172.101 GIVES THE PROPER SHIPPING NAME AND ID NUMBER FOR A LOW SPECIFIC ACTIVITY MATERIAL AS "RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY OR LSA, N.O.S., UN 2912". 49CFR172.203(D)(1) REQUIRES THAT THE DESCRIPTION FOR A SHIPMENT OF RADIOACTIVE MATERIAL MUST CONTAIN THE LISTED INFORMATION INCLUDING THE NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL THAT IS LISTED IN 173.390 OF THIS SUBCHAPTER. 10CFR30.41C REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OR AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFERE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. THE STATE OF SOUTH CAROLINAL LICENSE NUMBER 97 TO CHEM-NUCLEAR SYSTEMS, INC., FOR THE OPERATION OF THE RADIOACTIVE WASTE DISPOSAL SITE NEAR BARNWELL, S.C., LICENSE CONDITION & STATES THAT ONLY RADIOACTIVE MATERIAL CONSIGNED FOR BURIAL SHALL BE RECEIVED AT THE BARNWELL SITE, UNLESS OTHERWISE AUTHORIZED BY THE LICENSE OR STATE OF SOUTH CAROLINA. (A) CONTRARY TO THE ABOVE, THE SHIPPING PAPERS OF A LOW SPECIFIC ACTIVITY SHIPMENT OF A BOX OF RADIOACTIVE TOOLS ON 1/3/84 UNDER CONTROL NUMBER 0184-166-S WERE IMPROPERLY PREPARED IN THAT RADIOACTIVE MATERIAL DESCRIPTION ON TWA FORM 17111, THE SHIPPING MANIFEST, DID NOT SPECIFY PROPER

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

BROWNS FERRY 3 * *********************************

ENFORCEMENT SUMMARY

SHIPPING NAME, ID NUMBER OR NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MALERIAL. (B) CONTRARY TO THE ABOVE, RADIOACTIVE MATERIAL WAS TRANSFERRED TO AN AGREEMENT STATE LICENSE PRIOR TO DETERMINING THE TRANSFEREE WAS AN AUTHORIZED RECIPIENT IN THAT, ON 1/3/84, RADIOACTIVE MATERIAL OTHER THAN WASTE, A BOX OF RADIOACTIVE TOOLS NOT INTENDED FOR DISPOSAL, WAS TRANSFERRED TO THE BARNWELL SITE IN THE ABSENCE OF A PRIOR APPROVAL. 10 CFR 20.408(A) STATES THAT THIS SECTION APPLIES TO EACH PERSON LICENSED BY THE COMMISSION TO: (1) OPERATE & NUCLEAR REACTOR DESIGNED TO PRODUCE ELECTRICAL ... ENERGY 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL TERMINATES EMFLOYMENT WITH A LICENSEE DESCRIBED IN PARAGRAPH (A) OF THIS SECTION... THE LICENSEE SHALL FURNISH TO THE .. COMMISSION, A REPORT OF THE INDIVIDUAL'S EXPOSURES TO RADIATION AND RADIOACTIVE MATERIAL. 10 CFR 20.409(B) STATES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION OR RADIOACTIVE MATERIAL. THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL COMPLY WITH THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. 10 CFR 19.13(A) REQUIRES THAT THE RESULTS OF ANY MEASUREMENTS, ANALYSES, AND CALCULATIONS OF RADIOACTIVE MATERIAL DEPOSITED OR RETAINED IN THE BODY OF AN INDIVIDUAL. SHALL BE REPORTED TO THE INDIVIDUAL IN THAT WHEN THE LICENSEE DETECTS QUANTITIES OF RADIOACTIVITY ABOVE THEIR ANALYSE EQUIPMENT'S LOWER LIMIT OF DETECTION BUT LESS THAN TWO PERCENT OF THE MAXIMUM PERMISSIBLE ORGAN BURDEN. THE REPORT TO THE INDIVIDUAL STATES THAT NO RADIOACTIVITY WAS DETECTED. 10 CFR 20.203(E)(1) REQUIRES THAT EACH AREA OR ROOM IN WHICH LICENSED MATERIAL IS USED OR STORED AND WHICH CONTAINS ANY RADIOACTIVE MATERIAL IN AN AMOUNT EXCEEDING 10 TIMES THE QUANTITY OF SUCH MATERIAL SPECIFIED IN APPENDIX C OF THIS PART SHALL BE CONSPICUOUSLY POSTED WITH A SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOPL AND THE WORDS: CAUTION, OR DANGER, RADIOACTIVE MATERIALS. CONTRARY TO THE ABOVE, THE USED LAUNDERED ANTI-CONTAMINATION CLOTHING STORAGE RACKS ALONG THE WALLS OF THE SERVICE BUILDING MAIN PASSAGEWAY 562' APPENDIX C QUANTITIES AND IS NOT POSTED. (8403 5)

INCERSO, APP. B, CRIT. V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS. OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS. PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT SI 4.8.8.2-3A (AIRBORNE EFFLUENTS WEEKLY GAMMA ISOTOPIC) WAS INADEQUATE AND RESULTED IN SEVERAL ERRORS BEING MADE DURING THE PERFORMANCE OF THE INSTRUCTION FOR THE STACK MONITOR (0-RE-90-252) AND UNIT 2 TURBINE BUILDING ROOF EXHAUST FAN (2-RE-90-251). ALTHOUGH PROCEDURE 1053 WAS RECENTLY REVISED ON 2/17/84 SEVEN EXAMPLES OF PROBLEMS OR UNCLEAR INSTRUCTIONS WERE IDENTIFIED AS LISTED BELOW: 1) STEP 1.I.C. REQUIRES THAT ANY MARINELLI USED ON VENTILATION CAM SAMPLES SHOULD BE IDENTIFIED UNIQUELY AND CHECKED FOR BACKGROUND RADIATION PRIOR TO USE. THE BREAKERS ARE NOT UNIQUELY IDENTIFIED AND ARE CHECKED AFTER FIVE USES. 2) STEP III.E. ADDRESSED THE CONNECTION OF SAMPLING EQUIFMENT ACCORDING TO A REFERENED FIGURE BUT ONLY ONE OUT OF SIX FIGURES DELAYED THE PRESSURE GAUGES NEEDED TO OBTAIN DATA IN THE SAMPLES, THE EQUIPMENT WAS NOT CONNECTED AS SPECIFIED. 3) STEP F, REQUIRES THAT ALL SAMPLE VALVES BE OPENED BUT THESE VALVES WERE NOT IDENTIFIED BY VALVE NUMBERS OR THE QUANTITY OF SAMPLE VALVES TO OPEN. 4) STEP III.N, CONTAINS A FORMULA FOR CORRECTING THE MARINELLI BREAKER VOLUME FOR PRESSURE/VACUUM EFFECTS. THIS FORMULA, IF USED AS IMPLIED, GIVES AN INCORRECT ANSWER. AN INCORRECT CALCULATION WAS MADE TWICE WHILE BEING OBSERVED. 5) S.I.4.8.B.2-3A, REQUIRES THE RECORDING OF THE AS-FOUND POSITION OF THE INLET VALVES TO THE MONITOR BUT NO PLACE WAS PROVIDED IN THE PROCEDURE. FURTHER, ON NONITOR 2-RE-90-250, NO ID TAGS WERE ON THE VALVES TO IDENTIFY THEM. 6) S.I.4.3.B.2-3A, STEP 2, REQUIRES RECORDING OF STACK MONITOR CHANNEL & AND B READINGS IN COUNTS PER SECOND. THE COMPUTER PROGRAM RUN TO EVALUATE THE DATA REQUIRES ONLY ONE ENTRY FOR THE COUNTS PER SECOND AND DOES NOT SPECIFY WHETHER TO AVERAGE THE TWO VALVES, USE LOW OR HIGH. THE ANALYST WAS UNSURE WHAT TO USE AND THE LOW VALUE WAS USED IN THE CALCULATION. 7) S.I.4.8.B.2-3A DATA COVER SHEET ASKS 'YES' OR 'NO' WHETHER THE TECH SPEC CRITERIA AND S.I. CRITERIA ARE SATISFIED; THE RULE OR TEST OF THIS JUDGEMENT IS BEING APPLIED TO IS UNCLEAR AND IS NOT SPECIFIED IN THE PROCEDURE. (8410 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

****** BROWNS FERRY 3 ******

OTHER LIEMS

NONE. MANAGERIAL ITEMS: NONE. PLANT STATUS: SHUTDOWN 9/6/83 TO PERFORM IGSCC INSPECTION. LAST IE SITE INSPECTION DATE: MARCH 26 - 29, 1984 4 INSPECTION REPORT NO: 58-296/84-11 4 REPORTS FROM LICENSEE NUMBER DATE OF DATE OF SUBJECT EVENT REPORT NONE.

1.	Docket: _50-325_	DPERAT	ING S	TATUS								
2.	Reporting Period: 04/01/1	84_ Outage	+ On-line	Hrs: 719.0								
3.	Utility Contact:FRANCES	HARRISON (919) 457-95	21								
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 Capaci	ty (Gross M	We):	815								
8.	Maximum Dependable Capaci	ty (Net MWe	;):	790								
9.	If Changes Occur Above Since Last Report, Give Reasons:											
	NONE											
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):								
11.	Reasons for Restrictions,	If Any:										
	NONE											
		MONTH	YEAR	CUMULATIVE								
12.	Report Period Hrs	719.0	2,903.0	70 001 7								
13.	Hours Reactor Critical		_2,203.7									
14.	Rx Reserve Shtdwn Hrs			1,047.1								
15.	Hrs Generator On-Line	530.2	2,434.0									
16.	Unit Reserve Shtdwn Hrs											
17.	Gross Therm Ener (MWH)	1,228,147	5,720,509	74, 147, 795								
18.	Gross Elec Ener (MWH)	408,764	1,912,200	24,459,298								
19.	Net Elec Ener (MWH)	395,826	1,858,770	23,472,601								
20.	Unit Service Factor	73.7	83.8	58.5								
21.	Unit Avail Factor	73.7	83.8	58.5								
22.	Unit Cap Factor (MDC Net)	69.7	81.0	47.6								
23.	Unit Cap Factor (DER Net)	67.1	78.0	45.8								
24.	Unit Forced Outage Rate	26.3	10.8	20.3								
25.	Forced Outage Hours	188.8	293.8	9,213.0								
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D)uration):								
	NONE											

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



APRIL 1984

Report	Period AP	R 19	84		UN	T I	SHU	TDOW	NS / R	EDUCTIONS ************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	mponent	Cause & Corrective Action to Prevent Recurrence
84-025	03/31/83	F	188.8	н	2			ZZ	VALVEX	REACTOR SCRAMLOSS OF INSTRUMENT AIR TO RADWASTE WHICH RESULTED IN CFD EFFLUENT VALVES TO GO SHUT AND THE BYPASS FAILURE TO OPEN. CORRECT VALVING ERROR AND RESTORE INSTRUMENT AIR TO RACWASTE.
84-027	04/11/84	S	0.0	В	5					ROD IMPROVEMENT.

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

************************************	ILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATENORTH CAROLINA	UTILITY LICENSEECAROLINA POWER & LIGHT
CGUNTYBRUNSWICK	CORPORATE ADDRESSP. 0. BOX 1551 PALEIGH, NORTH CAROLINA 27602
DIST AND DIRECTION FROM NEAREST POPULATION CTR3 MI N OF SOUTHPORT, NC	CONTRACTOR ARCHITECT/ENGINEERUNITED ENG. & CONSTRUCTORS
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYOCTOBER 8, 1976	CONSTRUCTORBROWN & ROOT
DATE ELEC ENER 1ST GENERDECEMBER 4, 1976	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEMARCH 18, 1977	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERCAPE FEAR RIVER	IE RESIDENT INSPECTORD. MYERS
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERM. GROTENHUIS DOCKET NUMBER
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCE DPR-71, NOVEMBER 12, 1976
	PUBLIC DOCUMENT ROOMSOUTHPORT-BRUNSWICK COUNTY LIBRARY 108 W. MOORE STREET SOUTHPORT, NORTH CAROLINA 28461

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 12 - 23 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE IN THE AREAS OF UNIT 2 MAIN STEAM ISOLATION VALVE LOCAL LEAK RATE TESTING, (MSIV LLRT), ROD SEQUENCE CONTROL SYSTEM AND ROD WORTH MINIMIZER (RSCS RUM TRAINING, UNIT 1 ASYMMETRY ANOMALY, PLANT TOUR, AND SYSTEM WALKDOWN). OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS.

INSPECTION FEBRUARY 15 - MARCH 15 (84-07): THIS ROUTINE, SAFETY INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, INDEPENDENT INSPECTION, AND NUREG 0737 ITEMS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES DISCUSSED IN PARAGRAPH 3; AND FAILURE TO MEET 10 CFR 19 POSTING REQUIREMENTS DISCUSSED IN PARAGRAPH 8.

ENFORCEMENT SUMMARY

10 CFR PART 19 - NOTICE, INSTRUCTIONS AND REPORTS TO WORKERS: INSPECTIONS, SECTION 19.11(E), REQUIRES THAT COMMISSION DOCUMENTS POSTED PURSUANT TO PARAGRAPH (A)(4) OF THIS SECTION SHALL BE POSTED WITHIN 2 WORKING DAYS AFTER RECEIPT OF THE DOCUMENTS FROM THE COMMISSION; PARAGRAPH (A)(4) IN PART REFERS TO SPECIFIC COMMISSION DOCUMENTS INCLUDING, "PROPOSED IMPOSITION OF CIVIL PENALTY". CONTRARY TO THE ABOVE, PROPOSED IMPOSITION OF CIVIL PENALTY EA 83-88, ISSUED TO THE LICENSEE ON 1-10-84 AND SHOWN AS RECEIVED ON 1-13-84, WAS NOT POSTED UNTIL 3-1-84.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED. ADMINISTRATIVE PROCEDURE AP-1, PARAGRAPH 5.5.5 REQUIRES THAT WITHIN 14 DAYS OF A PERMANENT CHANGE APPROVAL THE CHANGE SHALL BE ENTERED IN AFFECTED PROCEDURES. EMERGENCY INSTRUCTION EI-29, PLANT SHUTDOWN FROM OUTSIDE CONTROL ROOM, REQUIRES FIVE COPIES OF EI-29 TO BE KEPT AT THE REMOTE SHUTDOWN PANEL. CONTRARY TO THE ABOVE, THE EI-29 PROCEDURES AT THE UNIT 2 REMOTE SHUTDOWN PANEL ON 2-16-84 WERE NOT THE CURRENT REVISION 12 APPROVED 1-25-84. 10 CFR PART 19 - NOTICE, INSTRUCTIONS AND REPORTS TO WORKERS: INSPECTIONS, SECTION 19.11(E), REQUIRES THAT COMMISSION DOCUMENTS POSTED PURSUANT TO PARAGRAPH (A)(4) OF THIS SECTION SHALL BE POSTED WITHIN 2 WORKING DAYS AFTER RECEIPT OF THE DOCUMENTS FROM THE COMMISSION; PARAGRAPH (A)(4) OF THIS SECTION SHALL BE COMMISSION DOCUMENTS INCLUDING, "PROPOSED IMPOSITION OF CIVIL PENALTY". CONTRARY TO THE ABOVE, PROPOSED IMPOSITION OF CIVIL PENALTY EA 83-88, ISSUED TO THE LICENSEE ON 1-10-84 AND SHOWN AS RECEIVED ON 1-13-84, WAS NOT POSTED UNTIL 3-1-84.

(8407 5)

OTHER ITEMS

SYSTEMS AN	D COMPONENT	PROBLEMS:	
NONE.			
FACILITY I	TEMS (PLANS	AND PROCEDU	JRES):
NONE.			
MANAGERIAL	ITEMS:		
NONE.			
PLANT STAT	US:		
ROUTINE OP	ERATION.		
LAST IE SI	TE INSPECTIO	ON DATE: MA	ARCH 12-23, 1984 +
INSPECTION	REPORT NO:	50-325/84-	-05 +
			REPORTS FROM LICENSEE
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004/	01/31/84	03/28/84	TRAIN 'B' OF CONTROL BUILDINGS EMERGENCY AIR FILTRATION SYSTEM STARTED, DUE TO A FIRE ALARM IN UNIT 2 INSTRUMENT BACK PANELS AREA.
================			
			PAGE 2-041

1. Docket: _50-324_	OPERAT	INGS	TATUS								
2. Reporting Period:	84 Outage	+ On-line	Hrs: 719.0								
3. Utility Contact: FRANCES	HARRISON (919) 457-95	21								
4. Licensed Thermal Power ()	Licensed Thermal Power (MWt):2436										
5. Nameplate Rating (Gross M	Nameplate Rating (Gross MUa): 963 X 0.9 = 867										
6. Design Electrical Rating	(Net MWe):		821								
7. Maximum Dopendable Capaci	ty (Gross M	We)	815								
8. Maximum Dependable Capaci	ty (Net MWe):	790								
9. If Changes Occur Above Si	nce Last Re	port, Give	Reasons:								
NONE											
10. Power Level To Which Rest	ricted, If	Any (Net Mb	le):								
11. Reasons for Restrictions,	If Any:										
NONE											
12. Report Period Hrs	MONTH 719.0	YEAR 2.903.0	CUMULATIVE 								
13. Hours Reactor Critical		1,604.3	46,331.6								
14. Rx Reserve Shtdun Hrs	. 0	. 0	. 0								
15. Hrs Generator On-Line	.0	1,566.9	43,352.5								
16. Unit Reserve Shtdwn Hrs	0		. 0								
17. Gross Therm Ener (MNH)	0	3,355,120	81,931,834								
18. Gross Elec Ener (MWH)	0	1,110,430	27,220,128								
19. Net Elec Ener (MWH)	-4,092	1,067,115	26,094,733								
20. Unit Service Factor		54.0	58.2								
21. Unit Avail Factor		54.0	58.2								
22. Unit Cap Factor (MDC Net)		46.5	44.4								
23. Unit Cap Factor (DER Net)	.0	44.8	42.7								
24. Unit Forced Outage Rate	. 0	2.2	17.5								
25. Forced Outage Hours		35,5	9.638.9								
26. Shutdowns Sched Over Next	t 6 Months (Type,Date,D)uration):								
27 If Currently Shutdown Fed	timated Star	tuo Date:	05/15/84								



Report	Period Af	PR 198	34		UN	ΙŢ	SHUT	rbow	NS /	R	E	DU	с	TI	0	N	S BRUNSWICK 2 S
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compon	ent			Ç	aus	e ł	8 C	Corrective Action to Prevent Recurrence
84-020	03/13/84	5	719.0	с	4			RC	FUELX	x	RE	FUE	LIN	G/M	AI	NTE	ENANCE DUTAGE CONTINUES.

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

**************************************	FACILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATENORTH CAROLINA	UTILITY LICENSEECAROLINA POWER & LIGHT
COUNTYBRUNSWICK	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR3 MI N OF SOUTHPORT, NC	CONTRACTOR ARCHITECT/ENGINEERUNITED ENG. & CONSTRUCTORS
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYMARCH 20, 1975	CONSTRUCTORBROWN & ROGT
DATE ELEC ENER 1ST GENERAPRIL 29, 1975	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATENOVEMBER 3, 1975	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERCAPE FEAR RIVER	IE RESIDENT INSPECTORD. MYERS
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERM. GROTENHUIS IC DOCKET NUMBER
RELIABILITY COUNCI	LICENSE & DATE ISSUANCEDPR-62, DECEMBER 27, 1974
	PUBLIC DOCUMENT ROOMSOUTHPORT-BRUNSWICK COUNTY LIBRARY 108 W. MOORE STREET SOUTHPORT, NORTH CAROLINA 28461
INS	PECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 12 - 23 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SIGE IN THE AREAS OF UNIT 2 MAIN STEAM ISOLATION VALVE LOCAL LEAK RATE TESTING, (MSIV LLRT), ROD SEQUENCE CONTROL SYSTEM AND ROD WORTH MINIMIZER (RSCS RWM TRAINING, UNIT 1 ASYMMETRY ANOMALY, PLANT TOUR, AND SYSTEM WALKDOWN). OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS.

INSPECTION FEBRUARY 15 - MARCH 15 (84-07): THIS ROUTINE, SAFETY INSPECTION INVOLVED 102 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, INDEPENDENT INSPECTION, AND NUREG 0737 ITEMS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES DISCUSSED IN PARAGRAPH 3; AND FAILURE TO MEET 10 CFR 19 POSTING REQUIREMENTS DISCUSSED IN PARAGRAPH 8.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

****** BRUNSWICK 2 * ********** *****

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUEL AND MAINTENANCE OUTAGE. +

LAST IE SITE INSPECTION DATE: MARCH 12-23, 1984 +

INSPECTION REPORT NO: 50-324/84-05 +

REPORTS FROM LICENSEE

DATE OF DATE OF SUBJECT NUMBER EVENT REPORT 84-004/ 02/22/84 C3/23/84 REACTOR SCRAMMED ON HIGH POWER, THE K16 RELAY WAS REPLACED. -

1.	Docket: _50-317	OPERAT	INGS	TATUS
2.	Reporting Period: 04/01/	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: _ EVELYN	BEWLEY (301) 787-5365	
4.	Licensed Thermal Power (N	4E):		2700
5.	Nameplate Rating (Gross M	We):	1020 X	0.9 = 918
6.	Design Electrical Rating	(Net MWe):		845
7.	Maximum Dependable Capaci	ty (Gross M	1We):	360
8.	Maximum Dependable Capaci	ty (Net MUe	;):	825
9.	If Changes Occur Above Sin NONE	nce Last Re	port, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2.903.0	CUMULATIVE 78.732.0
13.	Hours Reactor Critical	719.0	2,732.9	62,699.8
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	1,887.9
15.	Hrs Generator On-Line	719.0	2,716.1	61.462.0
16.	Unit Reserve Shtdun Hrs		. 0	.0
17.	Gross Therm Ener (MWH)	1,931,326	7,221,519	151,363,814
18.	Gross Elec Ener (MWH)	658,080	2,468,534	49,896,019
19.	Net Elec Ener (MWH)	631.871	2,366,551	47,601,517
20.	Unit Service Factor	100.0	93.6	78.1
21.	Unit Avail Factor	100.0	93.6	78.1
22.	Unit Cap Factor (MDC Net)	106.5	98.8	74.2
23.	Unit Cap Factor (DER Net)	104.0	96.5	71.6
24.	Unit Forced Outage Rate		6.4	7.5
25.	Forced Outage Hours		186.9	4,849.7
26.	Shutdowns Sched Over Next	6 Months (Type,Date,I	Duration):
27	NONE	imated Star	tuo Date:	N/A



* Item calculated with a Weighted Average

Report Period APR	1984	UNI	T	SHUT	DOWNS	1	REDUC	TI	ONS	* CALVERT CLIFFS 1 *

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110	113 * 0	11000	MAUFS	Reason	mothod	LEN NUMPER	SUSTOM	Component	Lause A	LOFFPCTIVE ACTION	TO LEPVENT	PLANE, LIT T BUILT, BR
1167	Part 2 42	1 1 1 1 12	11001 3	12 62 63 13 67 13	1 1 10 1 1 1 1 1 1 1 1	Sector Excertised and	J Y J L L III	STATING STATISTICS		the second se	sentence because and a second sector and and	And wanted in the second state of the second state of the second state of the second state of
A DESCRIPTION OF A DESC	and an an an an an an an an and an and an an an and an	And a second sec	And a state of the second seco	Restored in the second second second second	Contraction of the second s	the second se	And the second se	The second state of the se	the second s			

NONE

********** CALVERT CLIFFS 1 OPERATED AT FULL POWER DURING THE APRIL * SUMMARY * REPORT PERIOD.

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

******* CALVERT CLIFFS 1 ********* FACILITY DESCRIPTION LOCATION STATE.....MARYLAND COUNTY......CALVERT DIST AND DIRECTION FROM NEAREST POPULATION CTR...40 MI S OF ANNAPOLIS, MD TYPE OF REACTOR PWR DATE INITIAL CRITICALITY., OCTOBER 7, 1974 DATE ELEC ENER 1ST GENER... JANUARY 3, 1975 DATE COMMERCIAL OPERATE.... MAY 8, 1975 CONDENSER COOLING METHOD ... ONCE THRU CONDENSER COOLING WATER....CHESAPEAKE BAY ELECTRIC RELIABILITY AREA COUNCIL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR BEUNTEL

TURBINE SUPPLIER......GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE..... I

IE RESIDENT INSPECTORR. ARCHITZEL

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING APPLICABLE PROCEDURES REFERENCED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES PROCEDURES FOR EQUIFMENT CONTROL (E.G. LOCKING AND TAGGING). CALVERT CLIFFS INSTRUCTION 112D, SAFETY TAGGING, REVISED SEPTEMBER 1982 DELINEATES REQUIREMENTS FOR PLACING AND VERIFYING PLACEMENT OF SAFETY TAGS. CONTRARY TO THE ABOVE, CALVERT CLIFFS INSTRUCTION 112D WAS NOT PROPERLY IMPLEMENTED ON FEBRUARY 15, 1984 FOR SAFETY TAGGING OF THE OXYGEN ANALYZER SYSTEM (TAGGUT #5513) IN THAT SAFETY TAGS WERE NOT PLACED, AS DIRECTED BY THE TAGGUT RECORD, ON SAMPLE VALVES 1-PS-314 AND 2-PS-514 FOR THE DEGASSIFIER ACCUMULATORS #11 AND #12, RESPECTIVELY). (8403 5)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

				**************		 	***********	
NUMBER	DATE OF	DATE OF REPORT	SUBJECT					
NO INPUT	PROVIDED.							
			**************	***************	*************	 	========================	*************

1.	Docket: _50-318	OPERAT	ING S	TATUS						
г.	Reporting Period: 04/01/84 Outage + On-line Hrs: 709.0									
3.	Utility Contact:EVELYN	REMLEY (310	787-5365							
4.	Licensed Thermal Power (MWE): 2700									
5.	Nameplate Rating (Gross MWe): 1012 X 0.9 = 911									
6.	Dasign Electrical Rating (Net MWe): 845									
7.	Maximum Dependable Capac	ity (Gross M	We):	860						
8.	Maximum Dependable Capac	ity (Net MWe):	825						
9.	If Changes Occur Above S NONE	ince Last Re	port, Give	Reasons:						
10.	Power Level To Which Res	tricted. If	Any (Net M	le):						
	NONE	, It Any:								
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE						
13.	Hours Reactor Critical	468.0	2,652.0	52,579.8						
14.	Rx Reserve Shtdun Hrs	. 0		958.1						
15.	Hrs Generator On-Line	428.0	2,612.0	51,727.2						
16.	Unit Reserve Shtdwn Hrs	0		. 0						
17.	Gross Therm Ener (MWH)	1,107,194	6,881.107	128,722,800						
18.	Gross Elec Ener (MUH)	365,879	2,263,762	42,333,048						

346,584 2,164,181 40,367,943 19. Net Elec Ener (MLH) 20. Unit Service Factor 59.5 90.0 83.3 21. Unit Avail Factor 59.5 90.0 83.3 22. Unit Cap Factor (MDC Net) 58.4 90.4 79.3* 23. Unit Cap Factor (DER Net) 57.0 88.2 76.9 9.0 24. Unit Forced Outage Rate 1.6 5.6 25. Forced Outage Hours 42.3 42.3 3,087.5 26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NO. 2 PLANT STARTED ITS REFUELING ON 4/21/84.

27. If Currently Shutdown Estimated Startup Date: _______ * Item ca'culated with a Weighted Average



APRIL 1984

Report	Period Af	PR 19	84		UN	I T	รнบ	тром	NS / R	REDUCTIONS ************************************
No.	Date	Ivee	Hours	Reason	Method	LER	Number	System	Component	it Cause & Corrective Action to Prevent Recurrence
84-02	04/15/84	F	42.3	A	1			СВ	PUMPXX	FAILURE OF 228 REACTOR COOLANT PUMP MOTOR SURGE CAPACITOR
84-03	84/21/84	s	238.7	с				XX	FUELXX	REFUELING AND GENERAL INSPECTION COMMENCES.

*********	CALVERT	CLIFFS 2	OPERAT	ED WITH 1	OUTAGE	FOR EQUIPMENT	FAILURE	AND
* SUMMARY *	SHUTDOWN	ON APRIL	L 215T	FOR REFUEL	LING AND	MAINTENANCE.		

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

****** ******************* CALVERT CLIFFS 2 ***** ********** FACILITY DATA Recort Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION **UTILITY** STATE.....MARYLAND COUNTY CALVERT BALTIMORF, MARYLAND 21203 DIST AND DIRECTION FROM NEAREST POPULATION CTR...40 MI 5 OF CONTRACTOR ANNAPOLIS. MD ARCHITECT/ENGINEER.....BECHTEL TYPE OF REACTOR PWR NUC STEAM SYS SUPPLIER ... COMBUSTION ENGINEERING DATE INITIAL CRITICALITY ... NOVEMBER 30, 1976 CONSTRUCTOR.....BECHTEL DATE ELEC ENER 1ST GENER... DECEMBER 7, 1976 TURBINE SUPPLIER WESTINGHOUSE DATE COMMERCIAL OPERATE.... APRIL 1, 1977 REGULATORY INFORMATION CONDENSER COOLING METHOD ... ONCE THRU IE REGION RESPONSIBLE..... I CONDENSER COOLING WATER CHESAPEAKE BAY IE RESIDENT INSPECTOR.....R. ARCHITZEL ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....D. JAFFE POCKET NUMBER 50-318 AREA COUNCIL LICENSE & DATE ISSUANCE.... DPR-69, NOVEMBER 30, 19/6 PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY FOURTH STREET

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 STATES THAT PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES GENERAL PROCEDURES FOR THE CONTROL OF MAINTENANCE WHICH INCLUDE THE METHOD FOR OBTAINING PERMISSION AND CLEARANCE TO WORK. CALVERT CLIFFS PROCEDURE CC1 200H, "MAINTENANCE REQUESTS", DATED FEBRUARY 1, 1984, IMPLEMENTS CONTROLS FOR MAINTENANCE ACTIVITIES AND REQUIRES (SECTION IV E) THAT, PRIOR TO INITITION OF A MAINTENANCE ACTIVITY, A REVIEW BE CONDUCTED TO VERIFY THAT COMPONENTS, EQUIPMENT, AND SYSTEMS HAVE BEEN PROPERLY REALIGNED AND TAGGED AND THAT PLANT CONDITIONS, IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS, PERMIT THE PERFORMANCE OF THE MAINTENANCE. CONTRARY TO THE ABOVE, PRIOR TO INITIATION OF A MAINTENANCE ACTIVITY (SALTWATER STRAINER CLEANING FOR THE #22 EMERGENCY CORE COOLING SYSTEM PUMP ROOM AIR COOLER) AT ABOUT S:00 A.M. ON MARCH 6, 1984, AN INADEQUATE REVIEW TO VERIFY PROPER SYSTEM REALIGNMENT WAS CONDUCTED. LICENSEE PERSONNEL DID NOT REALIZE THAT, THROUGH SYSTEM REALIGNMENT, THE #21 DG HAD BEEN RENDERED INOPERABLE IN THAT COOLING WATER TO THE DG WOULD HAVE BEEN AUTOMATICALLY ISOLATED IN THE EVENT OF A LOSS OF COOLANT ACCIDENT CONDITION. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR 69. (8403 4)

PRINCE FREDERICK, MARYLAND 20678
ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING APPLICABLE PROCEDURES REFERENCED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES PROCEDURES FOR EQUIPMENT CONTROL (E.G. LOCKING AND TAGGING). CALVERT CLIFFS INSTRUCTION 112D, SAFEIY TAGGING, REVISED SEPTEMBER 1982, DELINEATES REQUIREMENTS FOR PLACING AND VERIFYING PLACEMENT OF SAFEIY TAGS. CONTRARY TO THE ABOVE, CALVERT CLIFFS INSTRUCTIONS 112D WAS NOT PROPERLY IMPLEMENTED ON FEBRUARY 15, 1984 FOR SAFEIY TAGGING OF THE OXYGEN ANALYZER SYSTEM (TAGOUT #5513) IN THAT SAFEIY TAGS WERE NOT PLACED, AS DIRECTED BY THE TAGOUT RECORD, ON SAMPLE VALVES 1-PS-314 AND 2-PS-514 FOR THE DEGASSIFIER ACCUMULATORS #11 AND #12, RESPECTIVELY.

(8403 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1.	Docket: _50-315	OPERA	TINGS	TATUS
2.	Reporting Period: _04/01/	84 Outag	e + On-line	Hrs: 719.0
3.	Utility Contact: <u>W. T. G</u>	ILLETT (61	6) 465-5901	
4.	Licensed Thermal Power (M	SJt):		3250
5.	Nameplate Rating (Gross M	We):	1280 X	0.9 = 1152
6.	Design Electrical Rating	(Net MWe):		1030
7.	Maximum Dependable Capaci	ty (Gross !	MWe):	1056
8.	Maximum Dependable Capaci	ty (Net MW	e):	1020
9.	If Changes Occur Above Si NONE	nce last Ro	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13. 1	Hours Reactor Critical	649.8	2,656.9	60,275.1
14. 1	Rx Reserve Shtdwn Hrs			463.0
15. 1	Hrs Generator On-Line	640.3	2,633.2	58,976.9
16. 1	Unit Reserve Shtdwn Hrs			321.0
17. (Gross Therm Ener (MWH)	1,855,391	7,818,348	171,899,962
18. (Gross Elec Ener (MWH)	608,060	2,570,100	56,496,390
19. 1	Net Elec Ener (MWH)	584,248	2,472,778	54,353,118
10. L	Unit Service Factor	89.1	90.7	74.0
1. 1	Unit Avail Factor	89.1	90.7	74.0
2. 1	Unit Cap Factor (MDC Net)		83.5	66.9
23. L	Unit Cap Factor (DER Net)		82.7	64.1
4. U	Unit Forced Outage Rate	10.9	9.3	7.9
5. F	Forced Outage Hours		269.8	4,350.6
6. 5	Shutdowns Sched Over Next	6 Months (Type,Date,D	uration):
S	HUTDOWN SCHEDINE SEPTEMBE	P 1 FOP C	IDVETILANCE	TECTINO



24.3

APRIL 1984

COOK 1 24 UNIT SHUTDOWNS / REDUCTIONS Report Period APR 1984 ***** Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence No. REACTOR POWER FURTHER REDUCED FROM 70% TO 58% TO REMOVE THE 0.0 HH HTEXCH 03/31/84 F B 5 217 WEST MAIN FEED PUMP FROM SERVICE FOR TUBE LEAK CHECK. ONE TUBE WAS PLUGGED. RX POWER RETURNED TO 100% ON 04/01/84. REACTOR POWER REDUCED TO 55% TO REMOVE THE WEST MAIN FEED HH HTEXCH F 0.0 B 5 218 04/03/84 PUMP FROM SERVICE TO CHECK THE FEED PUMP TURBINE CONDENSER FOR TUBE LEAKS. ONE TUBE WAS PLUGGED. REACTOR POWER WAS RETURNED TO 100% ON 04/04/84. REACTOR POWER REDUCED TO 56% TO CHECK THE WEST MAIN FEED HTEXCH F HH 0.0 E 5 219 04/06/84 PUMP TURBINE CONDENSER FOR TUBE LEAKS. OH 04/06/84 AT 0311 HOURS, THE TURBINE DRIVEN AUXILIARY 84-004 1 78.7 220 04/09/84 F A FEED PUMP WAS DECLARED INOPERABLE DUE TO THE INABILITY TO TRIP THE TURBINE TRIP AND THROTTLE VALVE. THE VALVE WAS REPAIRED AND THE UNIT RETURNED TO SERVICE ON 04/12/84. REACTOR POWER REDUCED TO 80% AS REQUIRED BY PLANT ZZ ZZZZZZ 5 04/18/84 F 0.0 F 221 SECONDARY CHEMISTRY SPECIFICATIONS DUE TO HIGH DISSOLVED OXYGEN IN THE CONDENSATE. REACTOR POWER WAS RETURNED TO 100% ON 04/19/84. REACTOR POWER WAS AGAIN REDUCED TO 80% DUE TO HIGH 27 ZZZZZZ 5 04/27/84 0.0 222 F DISSOLVED OXYGEN IN THE CONDENSATE. REACTOR POWER REMAINED AT 80% AT THE END OF THE MONTH. THE SOURCE OF AIR INLEAKAGE HAS BEEN ISOLATED AND REACTOR POWER WAS RETURNED TO 100% ON 05/02/84.

********* COOK 1 OPERATED WITH 5 REDUCTIONS AND 1 OUTAGE DURING APRIL. * SUMMARY * **********

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

PAGE 2-055

**************************************	LITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEMICHIGAN	UTILITY LICENSEEINDIANA & MICHIGAN ELECTRIC
COUNTYBERRIEN	CORPORATE ADDRESS RIVERSIDE PLAZA
DIST AND DIRECTION FROM	COLUMBUS, OHIO 43216
NEAREST POPULATION CTR11 MI S OF BENTON HARBOR, MI	CONTRACTOR ARCHITECT/ENGINEERAMERICAN ELEC. POWER SERVICE CORP.
TYPE OF REACTOR PWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYJANUARY 18, 1975	CONSTRUCTOR AMERICAN ELEC. POWER SERVICE CORP.
DATE ELEC ENER 1ST GENERFEBRUARY 10, 1975	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE AUGUST 27, 1975	REGULATORY INFORMATION
CONDENSER COOLING METHOD ONCE THRU	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORE. SWANSON
ELECTRIC RELIABILITY COUNCILEAST CENTRAL AR'A	LICENSING PROJ MANAGERD. WIGGINTON DOCKET NUMBER50-315
AGREEMENT	LICENSE & DATE ISSUANCEDPR-58, OCTOBER 25, 1974
	PUBLIC DOCUMENT ROOMMAUDE PRESTON PALENSKE MEMORIAL LIBRARY 500 MARKET STREET ST. JOSEPH. MICHIGAN 49085

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 21, THROUGH MARCH 12, (84-02): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; PLANT TRIP; REGIONAL REQUEST; REFUELING ACTIVITIES; REPORT REVIEW; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 459 INSPECTOR-HOURS BY SIX NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS OFF-SHIFT. OF THE ELEVEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN A EAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO IMPLEMENT A SURVEILLANCE PROCEDURE).

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) STATES IN PART THAT, "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(D) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART." IN ADDITION, TECHNICAL SPECIFICATION 6.8.1.E STATES IN PART THAT, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING EMERGENCY PLAN IMPLEMENTATION." (A) CONTRARY TO SECTION 2.2 OF EMERGENCY PLAN PROCEDURE PMP 2080.EPP.008, QUARTERLY VERIFICATIONS OF EXHIBIT A TO THIS PROCEDURE WERE NOT PERFORMED DURING THE FOURTH QUARTER OF 1983, (B) CONTRARY TO SECTION 4.1 OF EMERGENCY PLAN PROCEDURE PMP 2082.EPP.009, QUARTERLY COMPLETION OF EXHIBIT C WAS NOT PERFORMED DURING THE FIRST HALF OF 1983; AND COMPLETION OF EXHIBIT B WAS NOT PERFORMED DURING THE FIRST HALF OF 1983, (C) CONTRARY TO SECTION 4.2.1

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OF EMERGENCY PLAN PROCEDURE PMP 2082.EPP.005, QUARTERLY DRILLS FOR RADIOLOGICAL MONITORING TEAM ACTIVATION AND HEALTH PHYSICS WERE NOT DOCUMENTED FOR ANY QUARTER IN 1983, (D) CONTRARY TO SECTION 12.3.15.1 OF THE DONALD C. COCK EMERGENCY PLAN, REVISION 2, THE SEMI-ANNUAL OFF HOURS SHIFT AUGMENTATION DRILL WAS NOT PERFORMED DURING THE FIRST HALF OF 1983, (E) CONTRARY TO SECTION IV.E.9.D OF APPENDIX E TO 10 CFR PART 50, COMMUNICATIONS WITH THE NRC HEADQUARTERS AND REGIONAL OFFICE FROM THE NUCLEAR POWER REACTOR CONTROL ROOM, TECHNICAL SUPPORT CENTER, AND EMERGENCY OPERATIONS FACILITY WERE NOT TESTED ON A MONTHLY BASIS PRIOR TO OCTOBER, 1983, AND (F) CONTRARY TO SECTION IV.B OF APPENDIX E TO 10 CFR PART 50, EMERGENCY ACTION LEVELS WERE NOT REVIEWED WITH THE STATE AND LOCAL GOVERNMENTAL AUTHORITIES ON AN ANNUAL BASIS PRIOR TO JANUARY, 1984.

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 13 - APRIL 23, 1984

INSPECTION REPORT NO: 84-06

REPORTS FROM LICENSEE

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NUMBER	DATE OF	DATE OF REPORT	SUBJECT	

NONE				

1. Docket	: <u>50-316</u>	PERA	TING S	TATUS
2. Report	ing Period: 04/01/1	84 Outage	e + On-line	Hrs: 719.1
3. Utilit	y Contact: W. T. G	ILLETT (61)	6) 465-5901	
4. Licens	ed Thermal Power (M	Nt):	_	3411
5. Namepl	1333 X	0.85 = 113		
6. Design	Electrical Rating	(Net MWe):		1100
7. Maximu	m Dependable Capacit	ty (Gross M	1We):	1100
8. Maximu	m Dependable Capacit	ty (Net MWa	2):	1060
9. If Cha NONE	nges Occur Above Sir	nce Last Re	aport, Give	Reasons:
10. Power	Level To Which Restr	icted, If	Any (Net M	We):
11. Reason	s for Restrictions,	If Any:		
NONE				
12. Report	Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13. Hours	Reactor Critical		1,636.8	39,422.0
14. Rx Res	erve Shtdwn Hrs			
15. Hrs Ge	nerator On-Line	0		38,428.2
16. Unit R	eserve Shtdwn Hrs		0	.0
17. Grass	Therm Ener (MWH)	0	5,405,134	123,858,152
18. Gross	Elec Ener (MWH)	0	1,793,180	40,019,610
19. Net El	ec Ener (MWH)	0	1,731,606	38,584,959
20. Unit S	ervice Factor		56.1	72.3
21. Unit A	vail Factor	. 0	56.1	72.3
22. Unit Ca	ap Factor (MDC Net)	. 0	56.3	6* 2
23. Unit Ca	ap Factor (DER Net)	.0	54.2	67.9
24. Unit Fo	cced Outage Rate	.0	1.9	13.4
25. Forced	Outage Hours	.0		5,883.0
26. Shutdow NONE	ens Sched Over Next	6 Months (Type,Date,D	Juration):
27. If Curr	ently Shutdown Estin	mated Star	tun Date:	06/20/84



APRIL 1984

Report	Period Al	PR 19	84		UN	ΙT	SHU	TDOW		1 5	1	R	E	DI	UC		T	I	0	N S	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	īš	Comp	one	ant	-			Ç.	au	59	-	Ço	rrective Action to Prevent Recurrence
147	03/10/84	5	719.0	с	4			RC		FUE	LXX	¢	TH		UNI DUL ELI MAT		W DGD	AS CY AC RE	CL	E I VIT	VED FROM SERVICE ON 840310 FOR V-V REFUELING/MAINTENANCE OUTAGE. TES ARE PRESENTLY IN PROGRESS. TO SERVICE DATE IS 840620.

****	****
Term	Person

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

**************************************	ITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEMICHIGAN	UTILITY LICENSEEINDIANA & MICHIGAN ELECTRIC
COUNTYBERRIEN	CORPORATE ADDRESS 1 RIVERSIDE PLAZA
DIST AND DIRECTION FROM NEAREST POPULATION CTR11 MI S OF BENTON HARBOR, MI	COLUMBUS, OHIO 43216 CONTRACTOR ARCHITECT/ENGINEERAMERICAN ELEC. POWER SERVICE CORP.
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYMARCH 10, 1978	CONSTRUCTORJ. A. JONES CONSTRUCTION
DATE ELEC ENER 1ST GENERMARCH 22, 1978	TURBINE SUPPLIERBROWN BOVERI
DATE COMMERCIAL OPERATEJULY 1, 1978	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORE. SWANSON
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERD. WIGGINTON DOCKET NUMBER
AGREEMENT	LICENSE & DATE ISSUANCEDPR-74, DECEMBER 23, 1977
INSPECT	PUBLIC DOCUMENT ROOMMAUDE PRESTON PALENSKE MEMORIAL LIBRARY 500 MARKET STREET ST. JOSEPH, MICHIGAN 49085

INSPECTION SUMMARY

INSPECTION ON JANUARY 21, THROUGH MARCH 12, (84-02): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONA! SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; PLANT TRIP; REGIONAL REQUEST; REFUELING ACTIVITIES; REPORT REVIEW; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 459 INSPECTOR-HOURS BY SIX NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS OFF-SHIFT. OF THE ELEVEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO IMPLEMENT A SURVEILLANCE PROCEDURE).

ENFORCEMENT SUMMARY

UNIT 2 TECHNICAL SPECIFICATION 6.8.1.C REQUIRES IMPLEMENTATION OF WRITTEN PROCEDURES FOR SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT. PROCEDURE 12 THP 4030 STP.207 "ICE CONDENSER LOWER INLET DOORS" AT PARAGRAPH 3.1.1, REQUIRES USE OF A CALIBRATED SCALE WITH A RANGE OF 0-10 POUNDS AND ACCURACY OF 0.1 POUNDS WHEN DETERMINING THE DOOR OPENING AND CLOSING FORCE. CONTRARY TO THE ABOVE, ON OCTOBER 5, 1981 THE TEST WAS PERFORMED WITH A 0-20 POUND SCALE AND ON AUGUST 22, 1983 THE TEST WAS PERFORMED WITH A 0-40 POUND SCALE. (8402 5)

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) STATES IN PART THAT, "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART." IN ADDITION, TECHNICAL SPECIFICATION 6.8.1.E STATES IN PART THAT, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING EMERGENCY PLAN IMPLEMENTATION." (A) CONTRARY TO SECTION 2.2 OF EMERGENCY PLAN PROCEDURE PMP 2080. EPP.008, QUARTERLY VERIFICATIONS OF EXHIBIT A TO THIS PROCEDURE WERE NOT PERFORMED DURING THE FOURTH QUARTER OF 1983, (B) CONTRARY TO SECTION 4.1 OF EMERGENCY PLAN PROCEDURE PMP 2082. EPP.009, QUARTERLY COMPLETION OF EXHIBIT C WAS NOT PERFORMED DURING THE FIRST THREE QUARTERS OF 1983; AND COMPLETION OF EXHIBIT B WAS NOT PERFORMED DURING THE FIRST HAIF OF 1983, (C) CONTRARY TO SECTION 4.2.1 OF EMERGENCY PLAN PROCEDURE PMP 2082. EPP. 005, QUARTERLY DRILLS FOR RADIOLOGICAL MONITORING TEAM ACTIVATION AND HEALTH PHYSICS WERE NOT DOCUMENTED FOR ANY QUARTER IN 1983, (D) CONTRARY TO SECTION 12.3.15.1 OF THE DONALD C. COOK EMERGENCY PLAN, REVISION 2, THE SEMI-ANNUAL OFF HOURS SHIFT AUGMENTATION DRILL WAS NOT PERFORMED DURING THE FIRST HALF OF 1983, (E) CONTRARY TO SECTION IV.E.9.D OF APPENDIX E TO 10 CFR PART 50, COMMUNICATIONS WITH THE NRC HEADQUARTERS AND REGIONAL OFFICE FROM THE NUCLEAR POWER REACTOR CONTROL ROOM, TECHNICAL SUPPORT CENTER, AND EMERGENCY OPERATIONS FACILITY WERE NOT TESTED ON A MONTHLY BASIS PRIOR TO OCTOBER, 1983, AND (F) CONTRARY TO SECTION IV. B OF APPENDIX E TO 10 CFR PART 50, EMERGENCY ACTION LEVELS WERE NOT REVIEWED WITH THE STATE AND LOCAL GOVERNMENTAL AUTHORITIES ON AN ANNUAL BASIS PRIOR TO JANUARY, 1984. AN INDIVIDUAL WHO HAD BEEN UNFAVORABLY TERMINATED AND HAD DEPARTRED THE PA, RE-ENTERED THE PA AND REMAINED ON SITE FOR APPROXIMATELY & HOURS. AUDIBLE ALARM ANNUNCIATION FOR PA BARRIER DETECTION SYSTEM NOT OPERABLE IN CAS OR SAS; CCTV CAMERAS 1 AND 3 WOULD NOT LOCK ON ALARM POINTS AND THE SAS DID NOT HAVE CAPABILITY OF RESPONDING TO ALARMS AS NO INDICATION OF PA ALARMS COULD BE RECEIVED. ON 4/22/83 A REPORTABLE EVENT CONCERNING AN EXPLICIT THREAT AT CRYSTAL RIVER 3 WAS NOT RECEIVED AT THE REGION WITHIN 5 DAYS. (8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUT DOWN ON 3/10/84 TO BEGIN & 90 DAY REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 13 - APRIL 23, 1984

INSPECTION REPORT NO: 84-06

Report Perio	d APR 1984		REPORTS	> FROM LICENSEE ************************************
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
84-03	03/11/84	04/06/84	ACTUATION OF AN	ENGINEERED SAFETY FEATURE.

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1. Docket: 50-298 0	PERAT	ING 5	TATUS
2. Reporting Period: 04/01/8	6_ Outage	+ On-line	Hrs: 719.0
3. Utility Contact: P. L. BA	LLINGER (4	02) 825-381	
4. Licensed Thermal Power (MM	£3:	· · · · · · · ·	2381
5. Nameplate Rating (Gross MW	e):	983 X 0	.85 = 836
6. Design Electrical Rating ()	Net Mile):		778
7. Maximum Dependable Capacity	y (Gross M	We):	787
8. Maximum Dependable Capacity	y (Net Mile):	764
9. If Changes Occur Above Sim	ce Last Re	port. Give	Reasons:
NONE	E		
18. Power Level To Which Restr	icted, If	Any (Net M	le):
11. Reasons for Restrictions.	If Any:		
NONE			
The second s	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	719.0	2,903.0	86,208.0
13. Hours Reactor Critical	522.0	2,680.0	69,683.0
14. Rx Reserve Shtdun Hrs			0
15. Hrs Generator On-Line	498.2	2,638.8	
16. Unit Reserve Shtdwn Hrs		0	
17. Gross Therm Ener (MGH)	802,719	5, 171,847	135,685,005
18. Gross Elec Ener (MuH)	263,000	1,738,871	43,145,226
19. Net Elec Ener (MGH)	252,349	1,665,554	41,582,213
20. Unit Service Factor	69.3	90.9	79.5
21. Unit Avail Factor	69.3		79.5
22. Unit Cap Factor (MDC Net)	45.9	75.1	63.1
23. Unit Cap Factor (DER Net)	45.1	73.7	62.0
24. Unit Forced Outage Rate	7.7	3.1	3.8
25. Forced Dutage Hours	41.5	84.9	2,042.2
26. Shutdowns Sched Over Next	6 Months (Type, Date,	Duration):
1984 REFUELING & MAINTENAN	CE-10/1/84	- 7 MONTH	5
27. If Currently Shutdown Esti	mated Star	tup Date:	N/A

1



APRIL 1984

UNIT SHUTDOWNS / REDUCTIONS

HOURS. CHARCOAL IN BOTH BEDS WAS REPLACED AND FUNCTIONALLY TESTED. THE PLANT THEN RETURNED TO

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-3	04/07/84	5	179.3	В	2				MAINTENANCE DUTAGE.
84-5	04/19/84	F	41.5	۸	2				LOSS OF BOTH SBGT CHARCOAL BEDS RESULTING IN A LOSS OF SECONDARY CONTAINMENT REQUIRED A CONTROLLED SHUTDOWN. A MANUAL SCRAM WAS INITIATED AT 1400

SERVICE.

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

************************************	ITY DATA Report Per
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATENEBRASKA	UTILITY LICENSEENEBRASKA PUBLIC POWER DISTRICT
COUNTYNEMAHA	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR23 MI S OF NEBRASKA CITY, NEB	CONTRACTOR ARCHITECT/ENGINEERBURNS & ROE
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITY FEBRUARY 21, 1974	CONSTRUCTORBURNS & ROE
DATE ELEC ENER 1ST GENERMAY 10, 1974	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEJULY 1, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHOD ONCE THRU	IE REGION RESPONSIBLEIV
CONDENSER COOLING WATERMISSOURI RIVER	IE RESIDENT INSPECTORD. DUBOIS
ELECTRIC RELIABILITY	LICENSING PROJ MANAGERB. SIEGEL DOCKET NUMBER
RELIABILITY COORDINATION AGREEMENT	LICENSE & DATE ISSUANCE DPR-46, JANUARY 18, 1974
	PUBLIC DOCUMENT ROOMAUBURN PUBLIC LIBRARY 1118 15TH STREET AUBURN, NERRASKA 68305

INSPECTION STATUS

INSPECTION SUMMARY

1

INSPECTION CONDUCTED FEBRUARY 27-MARCH 2, 1984 (8402): ROUTINE, UNANNOUNCED INSPECTION OF MAINTENANCE PROGRAM, QA PROGRAM, ORGANIZATION AND ADMINISTRATION, AND QA RECORDS STORAGE. WITHIN THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 21-24, 1984 (8403): ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES, SECURITY PROGRAM AUDIT, PHYSICAL BARRIERS - PROTECTED AREAS, PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY, AND ASSESSMENT AIDS. WITHIN THE 6 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. 16

Report Period APR 1984

68305

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Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

*****	******	*********	**********
×	COOP	PER STATION	*
******	******	********	*****

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: FEBRUARY 21-24, 1984

INSPECTION REPORT NO: 50-298/8403

REPOR'S FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
L84-004	4/5/84	4/30/84	FAILURE OF RCIC TURBINE GOVENOR CONTROL SYSTEM TO MAINTAIN SPEED	

1.	Docket: _50-302	OPERAT	ING S	TATUS							
2.	Reporting Period:	84_ Outage	+ On-line	Hrs: 719.0							
3.	Utility Contact: D. BOGAN	RT (904) 79	5-6486								
4.	Licensed Thermal Power (MWt): 2544										
5.	Nameplate Rating (Gross M	We):	<u>989 X 0</u>	.9 = 890							
6.	Design Electrical Rating	(Net MWe):		825							
7.	Maximum Dependable Capaci	ty (Gross M	1We):	850							
8.	Maximum Dependable Capaci	ty (Net MWe	:	821							
9.	If Changes Occur Above Sin	nce Last Re	port, Give	Reasons:							
	NONE										
10.	Power Level To Which Rest	ricted, If	Any (Net MW	le):							
11.	Reasons for Restrictions,	If Any:									
	NONE										
		MONTH	YEAR	CUMULATIVE							
12.	Report Period Hrs		2,903.0	62,343.0							
13.	Hours Reactor Critical	481.1		40,107.1							
14.	Rx Reserve Shtdwn Mrs			1,2/3,3							
15.	Hrs Generator Un-Line	4/0./	2,338.0								
16.	Unit Reserve Shtdwn Hrs	.0	0								
17.	Gross Therm Ener (MWH)	1, 131, 142	6,139,223	88,103,558							
18.	Gross Elec Ener (MWH)	390,930	2,136,607	30,063,343							
19.	Net Elec Ener (MWH)		2,037,313	28,554,396							
20.	Unit Service Factor	65.5	88 1	62.6							
21.	Unit Avail Factor	65.5	88.1	62.6							
22.	Unit Cap Factor (MDC Net)	63.1	85.5	55.6							
23.	Unit Cap Factor (DER Net)	62.8	85.1	55.3							
24.	Unit Forced Outage Rate	2.1	2.8	23.0							
25.	Forced Outage Hours	10.0	73.9	11,689.2							
26.	Shutdowns Sched Over Next	6 Months (Type, Date, D	uration):							

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



PPRIL 1984

Report Period APR 1984				UNIT SKU			TDOWNS / RE		EDUCTIONS * CRYSTAL RIVER 3 *		
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence	
84-16	04/05/84	5	85.9	A	1			СН	HTEXCH	FEEDWATER PIPING DEVELOPED A LEAK.	
84-17	04/13/84	s	152.4	A	1			СН	HTEXCH	FEEDWATER PIPING WAS LEAKING. LEAK WAS REPAIRED.	
84-18	04/26/84	F	10.0	A	3	84-11	1	IF	INSTRU	NON-NUCLEAR INSTRUMENTATION FAILED WHILE TESTING	

********** CRYSTAL RIVER 3 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS * SUMMARY * DURING APRIL.

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

2-069

**************************************	CILITY DATA Report Period API
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEFLORIDA	UTILITY LICENSEEFLORIDA POWER CORPORATION
COUNTYCITRUS	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR7 MI NW OF CRYSTAL RIVER, FLA	CONTRACTOR ARCHITECT/ENGINEERGILBERT ASSOCIATES
TYPE OF REACTOR PWR	NUC STEAM SYS SUPPLIER BABCOCK & WILCOX
DATE INITIAL CRITICALITY JANUARY 14, 1977	CONSTRUCTORJ. A. JONES CONSTRUCTION
DATE FLEC ENER 1ST GENER JANUARY 30, 1977	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEMARCH 13, 1977	REGULATORY INFORMATION
CONDENSER COOLING METHOD ONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERGULF OF MEXICO	IE RESIDENT INSPECTORT. STETKA
ELECTRIC RELIABILITY	LICENSING PROJ MANAGERR. HERNAN DOCKET NUMBER
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCE DPR-72, JANUARY 28, 1977
	PUBLIC DOCUMENT ROOM CRYSTAL RIVER PUBLIC LIBRARY

1984

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 31 - FEBRUARY 24 (84-06): THIS ROUVINE INSPECTION INVOLVED 86 HOURS ON SITE BY THE RESIDENT INSPECTOR AND PROJECT ENGINEER IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, NUREG 0737-TMI ACTION PLAN 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 BACK SHIFTS. ONE DEVIATION WAS IDENTIFIED: (FAILURE TO COMPLETE CORRECTIVE ACTIONS AS DESCRIBED IN THE RESPONSE TO AN NRC VIOLATION, PARAGRAPH 3).

668 N.W. FIRST

CRYSTAL RIVER, FLORIDA 32639

INSPECTION FEBRUARY 27 - MARCH 2 (84-07): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 64 INSPECTOR-HOURS ON SITE IN THE AREAS OF POST ACCIDENT SAMPLING SYSTEM, POSTING AND LABELING, AND PLANT TOURS. OF THE THREE AREAS INSPECTED, ONE APPARENT VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 12-16 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 42 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT WATER CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 28 - MARCH 27 (84-69): THIS ROUTINE INSPECTION INVOLVED 113 INSPECTOR-HOURS ON SITE BY ONE RESIDENT INSPECTOR IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE ACTION ON IE BULLETINS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, AND LICENSEE ACTION ON FREVIOUS INSPECTION ITEMS. THIS INSPECTION ALSO INVOLVED 28 INSPECTOR HOURS ONSITE BY A SECOND RESIDENT INSPECTOR DURING THE PERIOD MARCH 5-9, 1984, IN THE AREAS OF THE FIRE PROTECTION PROGRAM AND LICENSEE ACTION ON NUREG-0737, ITEM III.D 3.4. NUMERCUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACK SHIFTS. THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED: (FAILURE TO TEST PAGE 2-070

INSPECTION SUMMARY

THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM AS REQUIRED BY TECHNICAL SPECIFICATION (TS) 4.7.7.1.C.4 (8)C; FAILURE TO FOLLOW THE SURVEILLANCE PROCEDURE USED TO DETERMINE REACTOR COOLANT SYSTEM (RCS) LEAKAGE; FAILURE TO USE CALIBRATED INSTRUMENTATION FOR THE DETERMINATION OF THE RCS LEAKAGE; FAILURE TO ESTABLISH AND IMPLEMENT THE ADMINISTRATIVE CONTROLS FOR STARTING OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM AS COMMITTED TO IN FSAR SECTION 9.7.2.1.G.

INSPECTION MARCH 21-23 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING: MANAGEMENT AND ADMINISTRATIVE CONTROLS; STATUS REVIEW OF RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM; INSPECTION OF SELECTED MONITORING AND SAMPLING STATIONS; VERIFICATION OF DEPLOYMENT OF COLOCATED TLDS IN ACCORDANCE WITH THE NRC TLD DIRECT PADIATION MONITORING NETWORK PROGRAM; STATUS REVIEW OF ONSITE METEROLOGICAL MONITORING PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 2-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 30 INSPECTOR-HOURS ON SITE IN THE AREAS OF TMI ACTION PLAN ITEM II.F.1.4, REACTOR PROTECTIVE SYSTEM, SURVEILLANCE TESTING, CORE FLOOD SYSTEM WALKDOWN, SHUTDOWN MARGIN CALCULATIONS, AND PLANT TOURS. 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:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: APRIL 2-6, 1984 +

INSPECTION REPORT NO: 50-302/84-11 +

Report Period	d APR 1984		REPORTS FROM LICENSEE **********************************
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-003/	02/28/84	03/29/84	FAULT OCCURRED IN 230 KV ELECTRICAL SYSTEM EXTERNAL TO CR-3, RESULTING IN REACTOR SHUTDOWN, PLT. ELEC. LINE-UP MAJOR FACTOR.
84-004/	02/28/84	3/30/84	SIX MANUAL ISOLATION VALVES CLOSED, DUE TO PERSONNEL ERROR AND INADEQUACIES.

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1. Docket: _50-346_	OPERAT	ING S	TATUS								
2. Reporting Period:	84 Outage	+ On-line	Hrs: 719.0								
3. Utility Contact: BILAL S	ARSOUR (419) 259-5000	X384								
4. Licensed Thermal Power (M	Licensed Thermal Power (MUt): 2772										
5. Nameplate Rating (Gross M	We):	1069 X	0.9 = 962								
6. Design Electrical Rating	(Net MWe):		906								
7. Maximum Dependable Capaci	ty (Gross M	We):	918								
8. Maximum Dependable Capaci	ty (Net MWe):	874								
9. If Changes Occur Above Si	nce Last Re	port, Give	Reasons:								
NONE											
10. Power Level To Which Rest	ricted, If	Any (Net Mk	le):								
11. Reasons for Restrictions,	If Any:										
NONE											
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 50,424.0								
13. Hours Reactor Critical	719.0	2,385.3	29,887.7								
14. Rx Reserve Shtdwn Hrs		134.8	4,014.1								
15. Hrs Generator On-Line	719.0	2,352.2	28,504.0								
16. Unit Reserve Shtdwn Hrs	.0	, 0	1,732.7								
17. Gross Therm Ener (MWH)	1,857,462	6,091,304	67, 135, 118								
18. Gross Elec Ener (MWH)	610,733	2,008,016	22,300,209								
19. Net Elec Ener (MWH)	578,998	1,889,563	20,888,262								
20. Unit Service Factor	100.0	81.0	56.5								
21. Unit Avail Factor	100.0	81.0	60.0								
22. Unit Cap Factor (MDC Net)	92.1	74.5	47.4								
23. Unit Cap Factor (DER Net)	88.9	71.8	45.7								
24. Unit Forced Outage Rate	.0	19.0	18.6								
25. Forced Outage Hours	.0	550.8	7,134.8								
26. Shutdowns Sched Over Next	6 Months (Type,Date,D)uration):								
27 If Currently Shuldown Fel	- 11/9/84	tun Data:	NZA								



APRIL 1984

Report	Period APR	1984		UN	IT SHU	TDOP	4 N S /	RE	DU	сті	0 N	s	**************************************
No.	Date Ty	pe Hours	Reason	Method	LER Number	System	n <u>Compone</u>	int _		Çause	2 (Corr	ective Action to Prevent Recurrence

NONE

******** DAVIS-BESSE 1 OPERATED AT NEAR FULL POWER DURING THE REPORT PERIOD.

* * SUMMARY *

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

FACILITY DESCRIPTION

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

FACILITY DATA

UTILITY & CONTRACTOR INFORMATION

UTILITY

CONTRACTOR ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER. . . BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. ROGERS

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 8 - MARCH 16, (84-01): ROUTINE RESIDENT SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS FOLLOWUP; FOLLOWUP ON OPERATIONAL EVENTS; MANAGEMENT MEETINGS; NUREG-0737 STATUS; AND FIRE PROTECTION ITEM FOLLOWUP. THE INSPECTION INVOLVED 255 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 77 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FIVE AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS (FAILURE TO REVIEW AUDIT FINDING REPORTS BY STATION REVIEW BOARD); ONE ITEM OF NONCOMPLIANCE IN THE AREA OF MONTHLY MAINTENANCE OBSERVATION (FAILURE TI USE CONTROLLED DRAWINGS DURING SAFETY RELATED ACTIVITY); ONE ITEM OF NONCOMPLIANCE IN THE AREA OF MONTHLY MAINTENANCE OBSERVATION (FAILURE TO FOLLOW PROCEDURE); AND TWO ITEMS OF NONCOMPLIANCE IN THE AREA OF LER FOLLOWUP (INCORRECT CONTROLLED DRAWING AND INADEQUATE REVIEW OF PROCEDURE); AND TWO ITEMS).

INSPECTION ON FEBRUARY 13-17, (84-02): ROUTINE ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; IMPLEMENTATION OF THE EMERGENCY PLAN; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION TRAINING; DOSE CALCULATIONS AND ASSESSMENT; PUBLIC INFORMATION PROGRAM; AND LICENSE AUDITS. THE INSPECTION INVOLVED 225 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN (8) EIGHT AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (LACK OF ANNUAL INDEPENDENT AUDIT OF THE EMERGENCY PREPAREDNESS PROGRAM WITHIN 12 MONTHS, AND HEALTH PHYSICS DRILLS WERE NOT CONDUCTED SEMI-ANNUALLY, IN 1983 AS REQUIRED). ALSO SIX SIGNIFICANT WEAKNESSES WERE FOUND AS A RESULT OF THIS INSPECTION (REFERENCE APPENDIX B) AND TWO DEVIATIONS TO PREVIOUS

PAGE 2-076

Report Period APR 1984

Report Period APR 1984 INSPECTION

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

COMMITMENTS WERE IDENTIFIED (APPENDIX C).

INSPECTION ON MARCH 2 - MARCH 12, (84-04): SPECIAL INSPECTION TO OBSERVE AND REVIEW THE LICENSEE'S PERFORMANCE AND CORRECTIVE ACTIONS AS A RESULT OF THE REACTOR TRIP/STUCK OPEN MAIN STEAM SAFETY VALVE EVENT ON MARCH 2, 1984. THE INSPECTION INVOLVED A TOTAL OF 168 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 85 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 19-21, (84-05): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, HASTE CLASSIFICATION, WASTE FORM, STABILIZATION, AND SHIPMENT MANIFESTS/TRACKING. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS UNSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(T) STATES IN PART, "THE LIGENSEE SHALL PROVIDE FOR A REVIEW OF ITS EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS BY PERSONS WHO HAVE NO DIRECT RESPONSIBILITY FOR IMPLEMENTATION OF THE EMERGENCY PREPAREDNESS PROGRAM. THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS AND OF LICENSEE DRILLS, EXERCISES, CAPABILITIES AND PROCEDURES. THE RESULTS OF THE REVIEW, ALONG WITH RECOMMENDATIONS FOR IMPROVEMENTS, SHALL BE DOCUMENTED, REPORTED TO THE LICENSEE'S CORPORATE AND PLANT MANAGEMENT AND RETAINED FOR A PERIOD OF FIVE YEARS. THE PART OF THE REVIEW INVOLVING THE EVALUATION FOR ADEQUACY OF INTERFACE WITH STATE AND LOCAL GOVERNMENTS SHALL BE AVAILABLE TO THE APPROPRIATE STATE AND LOCAL GOVERNMENTS." CONTRARY TO THE ABOVE, THE LICENSEE DID NOT INCLUDE IN ITS ANNUAL REVIEW IN 1983 AN EVALUATION FOR ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS AND OF LICENSEE MERGENCY PREPAREDNESS CAPABILITIES AND PROCEDURES. THE TED QUALITY ASSURANCE (QA) DIVISION PEPFORMED A PARTIAL REVIEW, DOCUMENTED AS REPORT NUMBER 1028. NEITHER THIS 1083 REVIEW NOR THE REVIEW AND ASSISTANCE VISIT FROM THE INSTITUTE FOR NUCLEAR POWER OPERATIONS (INPO) CONDUCTED DURING 1983 INCLUDED THE ENTIRE SCOPE AND CONTENT OF THE EMERGENCY PLANNING PROGRAM REVIEW AND DEFINED IN 10 CFR 50.54(T). (8402 4)

10 CFR 50.54(Q) STATES IN PART, "A LICENSEE SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART." THE DAVIS-BESSE NUCLEAR POWER STATION (DBNPS) EMERGENCY PLAN, SECTION 8.1.2, STATES IN PART, "HEALTH PHYSICS DRILLS SHALL BE CONDUCTED SEMI-ANNUALLY WHICH INVOLVE RESPONSE TO, AND ANALYSIS OF SIMULATED AIRBORNE SAMPLES AND DIRECT RADIATION MEASUREMENTS IN THE ENVIRONMENT BY RADIATION MONITORING TEAM MEMBERS." CONTRARY TO THE ABOVE, THE LICENSEE DID NOT CONDUCT SEMI-ANNUAL HEALTH PHYSICS DRILLS IN 1983 AS REQUIRED BY THE DBNPS EMERGENCY PLAN. (8402 5)

A PRIMARY INTRUSION DETECTION SYSTEM DID NOT MEET MINIMUM PERFORMANCE CRITERIA REQUIRED BY THE SECURITY PLAN. A PORTION OF A BARRIER WAS NOT EQUIPPED AS REQUIRED BY THE SECURITY PLAN. A SECURITY EVENT WAS NOT REPORTED WITHIN THE TIME CRITERIA REQUIRED BY 10 CFR 73.71(C). (8403 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 6 - MAY 16, 1984

INSPECTION REPORT NO: 84-07

REPORTS FROM LICENSEE

NUMBER DATE OF DATE OF SUBJECT EVENT REPORT ------------------01/08/84 03/29/84 TRIP CAUSED BY AUTO INSERTION OF AXIAL POWER SHAPING RODS. 84-01 84-03 03/92/84 TRIP DUE TO CLOSURE OF MAIN STEAM ISO. VALVE. 03/30/84

PAGE 2-079

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2. Reporting Period: <u>04/01/84</u> Outage + On-li 3. Utility Contact: <u>BEN_SCHROEDER (815) 942-29</u> 4. Licensed Thermal Power (MWt): <u>920</u> 5. Nameplate Rating (Gross MWe): <u>920</u> 6. Design Electrical Rating (Net MWe): <u>920</u> 7. Maximum Dependable Capacity (Gross MWe): <u>920</u> 8. Maximum Dependable Capacity (Gross MWe): <u>920</u> 9. If Changes Occur Above Since Last Reports, Giv <u>NONE</u> 10. Power Level To Which Restricted, If Any (Net 11. Reasons for Restrictions, If Any: <u>NONE</u> 12. Report Period Hrs <u>719.0</u> <u>2,903</u> 13. Hours Reactor Critical <u>719.0</u> <u>2,903</u> 14. Rx Reserve Shtdwn Hrs <u>0</u> 15. Hrs Generator On-Line <u>719.0</u> <u>2,881</u> 16. Unit Reserve Shtdwn Hrs <u>0</u> 17. Gross Therm Ener (MWH) <u>1,774,909</u> <u>6,844,80</u> 18. Gross Elec Ener (MWH) <u>577,297</u> <u>2,235,53</u> 20. State Sta	ne Hrs: 719.1 20 2527 X 0.9 = 828 794 812 772 ve Reasons:
 3. Utility Contact: <u>BEN_SCHROEDER (815) 942-29</u> 4. Licensed Thermal Power (MWt):	20 2527 X 0.9 = 828 794 8:2 772 ve Reasons:
 4. Licensed Thermal Power (MWt):	2527 X 0.9 = 828 794 8 12 772 Ve Reasons:
5. Nameplate Rating (Gross MWe): 920 6. Design Electrical Rating (Net MWe):	X 0.9 = 828 794 8:2 772 Ve Reasons:
6. Design Electrical Rating (Net MWe): 7. Maximum Dependable Capacity (Gross MWe): 8. Maximum Dependable Capacity (Net MWe): 9. If Changes Occur Above Since Last Report, Given NONE 10. Power Level To Which Restricted, If Any (Net 11. Reasons for Restrictions, If Any: NONE 12. Report Period Hrs MONTH 719.0 2.903. 13. Hours Reactor Critical 719.0 2.903. 14. Rx Reserve Shtdwn Hrs .0 15. Hrs Generator On-Line .19.0 2.881. 16. Unit Reserve Shtdwn Hrs .0 17. Gross Therm Ener (MWH) 1.774.909 6.844.80 18. Gross Elec Ener (MWH) .577.297 2.235.53	794 812 772 ve Reasons:
 Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): If Changes Occur Above Since Last Report, Given NONE Power Level To Which Restricted, If Any (Net 11. Reasons for Restrictions, If Any: NONE Report Period Hrs MONTH YEAR 719.0 2,903 Hours Reactor Critical 719.0 2,903 Hours Reactor On-Line 719.0 2,881 Unit Reserve Shtdwn Hrs O Gross Therm Ener (MWH) 1,774,909 6,844,80 Gross Elec Ener (MWH) 577,297 2,235,52 	8 12 772 ve Reasons:
 8. Maximum Dependable Capacity (Net MWe):	772 ve Reasons:
9. If Changes Occur Above Since Last Report, Given NONE 10. Power Level To Which Restricted, If Any (Net 11. Reasons for Restrictions, If Any: 11. Reasons for Restrictions, If Any: NONE 12. Report Period Hirs 13. Hours Reactor Critical 719.0 2.903. 14. Rx Reserve Shtdwn Hrs 15. Hrs Generator On-Line 719.0 2.881. 16. Unit Reserve Shtdwn Hrs 17. Gross Therm Ener (MWH) 1.774,909 6,844,80 18. Gross Elec Ener (MWH)	ve Reasons:
10. Power Level To Which Restricted, If Any (Net 11. Reasons for Restrictions, If Any: NONE 12. Report Period Hrs MONTH 719.0 2,903 13. Hours Reactor Critical 719.0 2,903 14. Rx Reserve Shtdwn Hrs .0 15. Hrs Generator On-Line 719.0 2,881 16. Unit Reserve Shtdwn Hrs .0 17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) .577,297 2,235,52	
11. Reasons for Restrictions, If Any:	mwe):
NONE 12. Report Period Hrs MONTH 719.0 YEAR 2,903 13. Hours Reactor Critical 719.0 2,903 14. Rx Reserve Shtdwn Hrs .0 .0 15. Hrs Generator On-Line 719.0 2,881 16. Unit Reserve Shtdwn Hrs .0 .0 17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) .577,297 2,235,52	
12. Report Period Hrs MONTH 719.0 2,903 13. Hours Reactor Critical 719.0 2,903 14. Rx Reserve Shtdwn Hrs 0 15. Hrs Generator On-Line 719.0 2,881 16. Unit Reserve Shtdwn Hrs 0 17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) 577,297 2,235,52	
13. Hours Reactor Critical 719.0 2,903 14. Rx Reserve Shtdwn Hrs .0	CUMULATIVE
14. Rx Reserve Shtdwn Hrs .0 15. Hrs Generator On-Line 719.0 16. Unit Reserve Shtdwn Hrs .0 17. Gross Therm Ener (MWH) 1,774,909 18. Gross Elec Ener (MWH) 577,297 2,235,52	.0 95,128.5
15. Hrs Generator On-Line 719.0 2,881 16. Unit Reserve Shtdwn Hrs .0 17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) 577,297 2,235,52	.00
16. Unit Reserve Shtdwn Hrs .0 17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) 577,297 2,235,52	.1 _ 90,782.0
17. Gross Therm Ener (MWH) 1,774,909 6,844,80 18. Gross Elec Ener (MWH) 577,297 2,235,52	.00
18. Gross Elec Ener (MWH) 2,235,52	16 183,582,402
	14 58,738,691
19. Net Elec Ener (MWH)548,112 2,128,33	55,525,780
20. Unit Service Factor 100.099.	.274.2
21. Unit Avail Factor 100.099.	2 74.2
22. Unit Cap Factor (MDC Net)98,795,	0 58.8
23. Unit Cap Factor (DER Net)96.092.	3 57.1
24. Unit Forced Outage Rate0	811.6
25. Forced Dutage Hours	9 4,442.1
26. Shutdowns Sched Over Next 6 Months (Type,Date May 19, 1986 FOR SNURSER INSPECTION	,Duration):
27. If Currently Shutdown Estimated Startup Date:	





APRIL 1984

Report	Period APR	1984		UN	IT	SHU	TD	0 4	4 11	s	,	R	E	DU	c	т	I	0	N	**************************************
No.	Date I	VDe Hours	Reason	Method	LER	Number	Svs	ten	īĒ	cmn	anen	it				Car	159	-	C	orrective Action to Prevent Recurrence

NONE

*********** * SUMMARY * ****

DRESDEN 2 OPERATED AT OR NEAR FULL POWER DURING APRIL.

Type	Reason	Method	System & Component				
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 7-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)				

**** DRESDEN 2 被张规派派派派派派派派派派派派派派派派派派派派派派派派派派派 FACILITY DESCRIPTION LOCATION STATE.....ILLINOIS COUNTY GRUNDY DIST AND DIRECTION FROM NEAREST POPULATION CTR...9 MI E OF MORRIS, ILL TYPE OF KEACTOR 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 INTERPOOL NETWORK

FASILITY DATA

UTILITY & CONTRACTOR INFORMATION

UTILITY

LICENSEE......COMMONWEALTH EDISON

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

CURTRACTOR

ARCHITECT/ENGINEER.....SARGENT & LUNDY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR...........UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

LICENSE & DATE ISSUANCE.... DPR-19, DECEMBER 22, 1969

PUELIC DOCUMENT ROOM......MORRIS PUBLIC LIBRARY 604 LIBERTY STREET MORRIS, ILLINOIS 60450

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 25-27, NOVEMBER 3, 11, 18. AND DECEMBER 6, 20, 22, JANUARY 4, 6, 9-10, FEBRUARY 1, 6, 14-15, AND MARCH 23, (83-31): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, IE BULLETINS, PREVIOUS INSPECTION FINDINGS, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING THE PERIOD OF JANUARY 20 THROUGH MARCH 26, (84-03): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HEADQUARTERS AND REGIONAL REQUESTS, I.E. BULLETINS, I.E. CIRCULARS, LICENSEE EVENT REPORTS, FOLLOWUP OF EVENTS, OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES VERIFICATION AND MAINTENANCE, SURVEILLANCE, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, THREE MILE ISLAND MODIFICATIONS, ALLEGATION AND CONTRACTOR CON-CERNS, SPENT NUCLEAR FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 590 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 155 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 16 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 15 AREAS; 2 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 1 AREA. (INADEQUATE PROCEDURES AND, FAILURE TO ADHERE TO RADIATION PROTECTION STANDARDS).

INSPECTION ON FEBRUARY 27 - MARCH 2, (84-05): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING): LICENSEE AUGUITS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

PAGE 2-082

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

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INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS: NONE FACILITY ITEMS (PLANS AND PROCEDURES): NONE MANAGERIAL ITEMS: NONE PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 27 - MAY 15, 1984

INSPECTION REPORT NO: 84-06

REPORTS FROM LICENSEE

		==================		 ***********	 	
NUMBER	DATE OF	DATE OF REPORT	SUBJECT			
NUNE				 	 	

1.	Docket: _50-249_	OPERAT	INGS	TATUS
2.	Reporting Period: _04/01/	84_ Outage	+ On-line	Hrs: 719.
3.	Jtility Contact: <u>BEN SCH</u>	ROEDER (815	942-2920	
4.	Licensed Thermal Power (M	Wt):		2527
5.	Nameplate Rating (Gross M	We):	920 X	0.9 = 828
6. 1	Design Electrical Rating	(Net MWe):		794
7.1	Maximum Dependable Capaci	ty (Gross ML	le):	812
8.1	Maximum Dependable Capaci	ty (Net MWe)	:	773
9. 1	If Changes Occur Above Sin NONE	nce Last Rep	port, Give	Reasons:
10. F	Power Level To Which Rest	ricted. If A	Inv (Net M	We):
11. 8	Reasons for Restrictions,	If Any:		
	NONE			
12. F	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 112,008.0
13. H	lours Reactor Critical	203.0	326.1	_ 83, 161.2
14. R	Xx Reserve Shtdwn Hrs		. 0	
15. H	irs Generator On-Line			79,862.4
16. U	Unit Reserve Shtdwn Hrs		.0	. 0
17. G	coss Therm Ener (MWH)	0	0	159,963,004
18. G	iross Elec Ener (MWH)	0	0	51,952,909
19. N	let Elec Ener (MWH)		- 15,956	49,214,627
20. U	Init Service Facior		. 0	71.3
21. U	nit Avail Factor		. 0	71.3
22. U	nit Cap Factor (MDC Net)		. 0	56.8
23. U	nit Cap Factor (DER Net)		. 0	55.3
24. U	nit Forced Outage Rate	. 0	.0	12.6
5. F	orced Outage Hours	. 0	. 0	6,415.2
6. S	hutdowns Sched Over Next	6 Months (T	ype,Date,D	Ouration):
7. 1	f Currently Shutdown Estin	mated Start	in Data:	



Report	Period AF	R 19	84		UN	IT	SHU	TD	0 1	N N	is /	R	E	DU	c	T	1 0	N	<pre>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</pre>
No.	Date	Type	Hours	Reason	Method	LER	Number	Sv	ster	m C	ompon	ent			(Cau	50	8	Corrective Action to Prevent Recurrence
8	09/30/83	s	719.0	с	4								MA	IN	TU	RBI	NE	RE	EPAIR CONTINUES.

* SUMMARY *

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

********** DRESDEN 3 ******** FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE.....ILLINOIS COUNTY.....GRUNDY CHICAGO, ILLINOIS 60690 DIST AND DIRECTION FROM NEAREST POPULATION CTR...9 MI E OF CONTRACTOR MORRIS, ILL ARCHITECT/ENGINEER SARGENT & LUNDY TYPE OF REACTOR BWR NUC STEAM SYS SUPPLIER. .. GENERAL ELECTRIC DATE INITIAL CRITICALITY... JANUARY 31, 1971 CONSTRUCTOR......UNITED ENG. & CONSTRUCTORS DATE ELEC ENER 1ST GENER... JULY 22, 1971 TURBINE SUPPLIER......GENERAL ELECTRIC DATE COMMERCIAL OPERATE NOVEMBER 16, 1971 **REGULATORY INFORMATION** CONDENSER COOLING METHOD ... COOLING LAKE IE REGION RESPONSIBLE.....III CONDENSER COOLING WATER KANKAKEE RIVER IE RESIDENT INSPECTOR......T. TONGUE ELECTRIC RELIABILITY LICENSING PROJ MANAGER R. GILBERT COUNCIL MID-AMERICA DOCKET NUMBER 50-249 INTERPOOL NETWORK LICENSE & DATE ISSUANCE.... DPR-25, MARCH 2, 1971 PUBLIC DOCUMENT ROOM MORRIS PUBLIC LIBRARY

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 25-27, NOVEMBER 3, 11, 18, AND DECEMBER 6, 20, 22, JANUARY 4, 6, 9-10, FEBRUARY 1, 6, 14-15, AND MARCH 23, (83-29): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, IE BULLETINS, PREVIOUS INSPECTION FINDINGS, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

604 LIBERTY STREET MORRIS, ILLINOIS 60450

INSPECTION DURING THE PERIOD OF JANUARY 20 THROUGH MARCH 26, (84-02): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HEADQUARTERS AND REGIONAL REQUESTS. I.E. BULLETINS, I.E. CIRCULARS, LICENSEE EVENT REPORTS, FOLLOWUP OF EVENTS, OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES VERIFICATION AND MAINTENANCE, SURVEILLANCE, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, THREE MILE ISLAND MODIFICATIONS, ALLEGATION AND CONTRACTOR CON-CERNS, SPENT NUCLEAR FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 590 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 155 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 16 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 15 AREAS; 2 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 1 AREA. (INADEQUATE PROCEDURES AND, FAILURE TO ADHERE TO RADIATION PROTECTION STANDARDS).

INSPECTION ON FEBRUARY 27 - MARCH 2, (84-04): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. PAGE 2-086

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT WAS SHUT DOWN ON 9/30/83 FOR AN EXTENDED REFUELING AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 27 - MAY 15, 1984

INSPECTION REPORT NO: 84-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02	03/26/84	04/24/84	REACTOR SCRAM.

1.	Docket: _50-331_	OPERAT	ING S	TATUS
2.	Reporting Period: _04/01/	84_ Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: MATT AN	DERSON (319) 851-7308	
4.	Licensed Thermal Power (N	1WE):		1658
5.	Nameplate Rating (Gross M	1We):	663 X I	0.9 = 597
6.	Design Electrical Rating	(Net MWe):		538
7.	Maximum Dependable Capaci	ty (Gross M	le):	545
8.	Maximum Dependable Capaci	ty (Net MWe):	515
9.	If Changes Occur Above Si NONE	nce Last Rep	port, Give	Reasons:
10.	Power Level To Which Rest	ricted, If /	Any (Net Mb	le):
11.	Reasons for Restrictions, NONE	If Any:		
12.	Report Period Hrs	MONTH719.0	YEAR 2,903.0	CUMULATIVE 81,047.0
13.	Hours Reactor Critical	323.8	2,342.4	58,277.4
14.	Rx Reserve Shtdwn Hrs	0		. 0
15.	Hrs Generator On-Line	307.3	2,300.2	56,742.9
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	.0

14.	Rx Reserve Shtdwn Hrs			. 0
15.	Hrs Generator On-Line	307.3	2,300.2	56,742.9
16.	Unit Reserve Shtdwn Hrs	. 0	0	
17.	Gross Therm Ener (MWH)	478,944	3,523,560	71,272,122
18.	Gross Elec Ener (MWH)	161,951	1, 198, 625	23,892,682
19.	Net Elec Ener (MWH)	152,885	1,131,465	22,367,835
20.	Unit Service Factor	42.7	79.2	70.0
21.	Unit Avail Factor	42.7	79.2	70.0
22.	Unit Cap Factor (MDC Net)	41.3	75.7	53.6
23.	Unit Cap Factor (DER Net)	39.5	72.4	51.3
24.	Unit Forced Outage Rate	57.3	20.8	17.4
25.	Forced Outage Hours	411.7	602.8	11,937.1
26.	Shutdowns Sched Over Next	6 Months (Type, Date, D	uration):
	MAINTENANCE DUTAGE: MAY 16	, 1984, 2	TO 4 WEEKS.	
27.	If Currently Shutdown Esti	mated Star	tup Date:	N/A


Report	Period Af	PR 19	84		UN	ΙT	SKU	TDOW	N	5	R	E	D	U	ст	I	0	н	s	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	<u>c</u>	ompo	nent	-			Ca	US	e	8 (Cor	rective Action to Prevent Recurrence
3	04/13/84	F	411.7	A	۱	84-0	13					" V S	A" ALN TOP	RE /E PPI	CIR HAI NG	CU P TH	LA ACI E	TIC KIN	DN NG, AKA	BYPASS VALVE AND ITS ASSOCIATED VENT LEAKAGE. THE PACKING WAS REPAIRED, GE.

DUANE ARNOLD SHUTDOWN ON APRIL 13TH FOR AN EQUIPMENT REPAIR OUTAGE. ******** * SUMMARY *

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

************************************	LITY DATA Report Period APR 198
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEIOWA	UTILITY LICENSEE
COUNTYLINN	CORPORATE ADDRESS I E TOWERS, P.O. BOX 351
DIST AND DIRECTION FROM NEAREST POPULATION CTR8 MI NW OF CEDAR RAPIDS, IA	CEDAR RAPIDS, IOWA 52406 CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYMARCH 23, 1974	CONSTRUCTORBECHTEL
DATE ELEC ENER 1ST GENER MAY 19, 1974	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE FEBRUARY 1, 1975	REGULATORY INFORMATION
CONDENSER COOLING METHODCOOLING TOWER	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERCEDAR RAPIDS RIVER	IE RESIDENT INSPECTORL. CLARDY
ELECTRIC RELIABILITY COUNCILMID-CONTINENT AREA	LICENSING PROJ MANAGERM. THADANI DOCKET NUMBER
AGREEMENT	LICENSE & DATE ISSUANCE DPR-49, FEBRUARY 22, 1974
	PUBLIC DOCUMENT ROOMREFERENCE SERVICE CEDAR RAPIDS PUBLIC LIBRARY 428 THIRD AVENUE, S.E. CEDAR RAPIDS, IOWA 52401

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 21 - FEBRUARY 24, (84-03): SPECIAL, ANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF THE LICENSEE'S REGULATORY PERFORMANCE IMPROVEMENT PROGRAM. THE INSPECTION INVOLVED SIX INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS

INSPECTION ON FEBRUARY 1 - MARCH 31, (84-04): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; IE BULLETINS; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; FIRE PROTECTION; OPERATIONS AND SAFETY REVIEW COMMITTEES; AUDITS; TMI ITEMS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 130 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 15 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ACCESS CONTROL TO AN AREA CONTAINING VITAL EQUIPMENT DID NOT MEET SECURITY PLAN CRITERIA. SOME SAFEGUARDS INFORMATION WAS NOT PROTECTED AS REQUIRED BY THE LICENSEE'S PROCEDURE AND 10 CFR 73.21.

(8319 3)

Report Period APR 1984

ENFORCEMENT SUMMARY

ONE SECURITY EVENT WAS NOT REPORTED WITHIN THE TIME CRITERIA REQUIRED BY 10 CFR 73.71(C). THE LICENSEE FAILED TO MAINTAIN AN ADEQUATE VITAL AREA BARRIER. (\$319 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

HONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR EQUIPMENT REPAIR.

LAST IE SITE INSPECTION DATE: FEBRUARY 1 - MARCH 31, 1984

INSPECTION REPORT NO: 84-04

REPORTS FROM LICENSEE

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

NONE

1. D	ocket: <u>50-348</u> 0	PERAT	ING S	TATUS
2. R	eporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.0
3. U	tility Contact: DENNIS H	ERRIN (205	899-5156	
4. L	icensed Thermal Power (MW	12):		2652
5. N	ameplate Rating (Gross MW	1045 X	0.85 = 888	
6. D	esign Electrical Rating (Net MWe):		829
7. M	aximum Dependable Capacit	y (Gross M	We):	845
8. M	aximum Dependable Capacit	y (Net MWe):	804
9. I	f Changes Occur Above Sin	ce Last Re	port, Give	Reasons:
N	ONE			
10. P	ower Level To Which Restr	icted, If	Any (Net Mk	le):
11. R	easons for Restrictions,	If Any:		
N	ONE			
12. R	eport Period Hrs	MUNTH 719.0	YEAR 2,903.0	CUMULATIVE
13. H	ours Reactor Critical	186.8	1,124.8	36,248.0
14. R	x Reserve Shtdwn Hrs	. 0		3,650.7
15. H	rs Generator On-Line	135.5	1,040.0	
16. U	nit Reserve Shtdwn Hrs	. 0		
17. G	ross Therm Ener (MWH)	124,058	2,484,842	88,586,366
18. G	ross Elec Ener (MWH)	35,102	786,764	28,028,628
19. N	et Elec Ener (MWH)	19,404	721,398	26,422,460
20. U	nit Service Factor	18.8	35.8	62.5
21. U	nit Avail Factor	18.8	35.8	62.5
22. Ur	nit Cap Factor (MDC Net)	3.4	30.9	<u>59.0</u> *
23. Ur	nit Cap Factor (DER Net)	3.3	30.0	56.7
24. Ur	nit Forced Outage Rate	. 0	7.1	15.1
25. Fe	orced Outage Hours	. 0	79.5	6,246.0
26. SI	nutdowns Sched Over Next DNE	6 Months (Type,Date,D	uration):
27. 14	f Currently Shutdown Esti	mated Star	tup Date:	NZA

FARLEY 1



APRIL 1984

* Item calculated with a Weighted Average

x x x x x x x x x x x x x x x x x x x	Action to Prevent Recurrence UTAGE CONTINUED FROM 2-10-84.	DVERSPEED TRIP TEST.		
INS / REDUCTIONS ******	1 Component Cause & Corrective THE CYCLE V-VI REFUELING 0	UNIT SHUT DOWN FOR TURBINE	APRIL 24 AND OPERATED THE REPORT PERIOD.	stem & Component vibit F & H structions for eparation of ta Entry Sheet censee Event Report
NIT SHUTDOW	d LER Number System 84-002-00		IE FROM REFUSLING ON A	Method Syr 1-Manual Scram Ins 2-Manual Scram Pre 4-Continued Dad Lic
od APR 1984 U	ite Ivpe Hours Reason Metho 0/84 \$ 544.0 C 4	4.84 5 39.5 8	FARLEY 1 RETURNED ONLIN WITH 1 ADDITIONAL MAINT	Reason Equip Failure F-Admin Maint or Test G-Oper Error Refueling H-Other Regulatory Restriction Decrator Training
Report Peri	003 02/1	004 04/2	**************************************	Type Refered A S-Sched B

***** FARLEY 1 ******* FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE.....ALABAMA BIRMINGHAM, ALABAMA 35203 DIST AND DIRECTION FROM NEAREST POPULATION CTR... 28 MI SE OF CONTRACTOR DOTHAN. ALA ARCHITECT/ENGINEER......SOUTHERN SERVICES INCORPORATED TYPE OF REACTOR PWR NUC STEAM SYS SUPPLIER ... WESTINGHOUSE DATE INITIAL CRITICALITY... AUGUST 9. 1977 CONSTRUCTOR.....BECHTEL DATE ELEC ENER 1ST GENER...AUGUST 18, 1977 TURBINE SUPPLIER......WESTINGHOUSE DATE COMMERCIAL OPERATE.... DECEMBER 1, 1977 REGULATORY INFORMATION CONDENSER COOLING METHOD...COOLING TOWER IE REGION RESPONSIBLE.....II CONDENSER COOLING WATER.... CHATAHOOCHEE RIVER IE RESIDENT INSPECTOR.....W. BRADFORD ELECTRIC RELIABILITY LICENSING PROJ MANAGER..... E. REEVES DOCKET NUMBER 50-348 RELIABILITY COUNCIL LICENSE & DATE ISSUANCE..., NPF-2, JUNE 25, 1977 PUBLIC DOCUMENT ROOM......G.S. HOUSTON MEMORIAL LIBRARY

212 W. BURDESHAW STREET DOTHAN, ALABAMA 36301

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 19-22 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTCR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (UNIT 1), FEEDWATER REDUCER REPLACEMENTS (UNIT 1), AND PREVIOUS ENFORCEMENT MATTERS (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26-30 (84-08): THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE AREAS INSPECTED INCLUDED: SITE ORIENTATION; REVIEW OF CHANGES IN IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTEN/ PHYSICAL BARRIERS-PROTECTED AREAS AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL PACKAGES AND VEHICLES); DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND T BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 15 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE INSPECTION. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 17 - APRIL 10 (84-10): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, UNIT 2 TRIPS, UNIT 1 CONTAINMENT BUILDING INSPECTIONS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSFECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

10 CFR 50.59 ALLOWS THE LICENSEE TO MAKE CHANGES TO THE FACILITY AS DESCRIBED IN THE FSAR WITHOUT PRIOR COMMISSION APPROVAL PROVIDED THAT THE CHANGE DOES NOT INVOLVE A CHANGE TO THE TECHNICAL SPECIFICATIONS OR CONSTITUTE AN UNREVIEWED SAFETY QUESTION. THE LICENSEE IS REQUIRED TO MAINTAIN RECORDS WHICH INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR DETERMINING THAT THE CHANGE DOES NOT CONSTITUTE AN UNREVIEWED SAFETY QUESTION. THE SPENT FUEL POOL DESIGN FEATURES ARE DESCRIBED IN THE FSAR, INCLUDING DESIGN FEATURES TO PREVENT DEWATERING. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT PERFORM A WRITTEN SAFETY EVALUATION PRIOR TO TRANSFERRING WATER FROM THE SPENT FUEL POOL TO THE TRANSFER CANAL USING A SUBMERSIBLE PUMP. THE SUBMERSIBLE PUMP IS A CHANGE TO THE SPENT FUEL POOL AS DESCRIBED IN THE FSAR. (8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS. STARTED UP ON 4/22/84 FOLLOWING A REFUELING OUTAGE. +

LAST IE SITE INSPECTION DATE: MARCH 17 - APRIL 10, 1984 +

INSPECTION REPORT NO: 50-348/84-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-008/	03/02/84	03/29/84	CONTROL ROOM FIRE BARRIER PENETRATION FOR NRC RED PHONE CABLE NOT PROPERLY SEALED.
84-009/	03/11/84	03/30/84	SPARE CONTAINMENT ELECTRICAL PENETRATIONS WERE OPENED TO ALLOW MODIFICATIONS DESIGN AND ENHANCE OUTAGE WORK, BUT WERE NOT RETURNED TO FUNCTIONAL STATUS ON TIME.

-100 8 8 9 8 0 2 814 (100X) ************************* AVERAGE DAILY POWER LEVEL (MWe) PLOT ***************************** NOS ONN DE EXCERTED UNDER OFTIMAL CONDITIONS 3 829 DESIGN ELEC. RATING .. CAP. -8 N APRIL 1984 A STREET, STREET, ST FARLEY N DAYS FARLEY DEPEND. 0 MAX. 1500 1000 0 200 NEL HAE CENERALED 719.0 138.4 CUMULATIVE 24,144.0 21,392.8 87.4 83.8 82.3 54,209,278 17,371,190 16,468,770 5.1 1,127.1 U S 21,106. 87. Next 6 Months (Type, Date, Duration): If Changes Occur Above Since Last Report, Give Reasons: STAT Outage + On-line Hrs: 860 829 2652 855 814 Power Level To Which Restricted, If Any (Net MWe): DENNIS HERRIN (205) 899-5156 0 95.3 2,856.0 96.7 96.0 94.3 3.3 2,807.7 0 7,298,586 2,384,342 2,268,744 96.7 YEAR 2,903. OPERATING Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): Rating (Net MWe): 0 1,845,190 98.0 98.0 97.2 95.5 2.0 14.5 704.5 597,574 569,044 MGNTH 719.0 708. Reasons for Restrictions, If Any: Nameplate Rating (Gross MWe): 04/01/84 Licensed Thermal Power (MW4): Unit Cap Factor (DER Net) Unit Cap Factor (MDC Net) Unit Reserve Shtdwn Hrs Unit Forced Outage Rate Hours Reactor Critical Gross Therm Ener (MWH) Rx Reserve Shtdwn Hrs Hrs Generator On-Line Gross Elec Ener (MWH) Shutdowns Sched Over Net Elec Ener (MWH) Unit Service Factor Forced Outage Hours Electrical Reporting Period: Contact: Report Period Hrs Unit Avail Factor 50-364 Utility Maximum Docket: Design NONE NONE NONE 11. è. is' . 5 5 .9 10. 12. 13. 14. 15. 16. 1 . .6 17. 21. 18. 19. 24. 20. 23. 22. 25. 26.

PERCENT MDC

PAGE 2-096

NIA

27. If Currently Shutdown Estimated Startup Date:

Report	Period A	PR 19	84		UN	I T	SHU	TDO	W	N	s /	RE	EDU	ст	1 0	N	S # *****	*****	• * * * * * * * * * * * * * * * * * * *	ARLEY 2	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	Syst	em	Co	mponer	t :		Cau	58	8 0	Corrective	Action	1 1	Prevent	Recurrence
005	04/09/84	F	14.5	G	3	84-0	05-00					5	REACTOR	R TR	IP	DUE	E TO IMPRO	PER PE	RFOR	RMANCE OF	SURVEILLANCE

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

**************************************	ILITY DATA Report Period APR
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEALABAMA	UTILITY LICENSEEALABAMA POWER CO.
COUNTYHOUSTON	CORPORATE ADDRESS
DIST AND DIRECTION FROM	BIRMINGHAM, ALABAMA 35203
NEAREST POPULATION CTR28 MI SE OF DOTHAN, ALA	CONTRACTOR ARCHITECT/ENGINEERSOUTHERN SERVICES INCORPORATED
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYMAY 5, 1981	CONSTRUCTORBFCHTEL
DATE ELEC ENER 1ST GENERMAY 25, 1981	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATE JULY 30, 1981	REGULATORY INFORMATION
CONDENSER COOLING METHODCOOLING TOWER	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERCHATAHOOCHEE RIVER	IE RESIDENT INSPECTORW. BRADFORD
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERE. REEVES DOCKET NUMBER
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCENPF-8, MARCH 31, 1981
	PUBLIC DOCUMENT ROOMG.S. HOUSTON MEMORIAL LIBRARY 212 W. BURDESHAW STREET DOTHAN ALABAMA 34301

INSPECTION SUMMARY

+ INSPECTION MARCH 19-22 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (UNIT 1), FEEDWATER REDUCER REPLACEMENTS (UNIT 1), AND PREVIOUS ENFORCEMENT MATTERS (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

STATUS

INSPECTION

INSPECTION MARCH 26-30 (84-08): THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE AREAS INSPECTED INCLUDED: SITE ORIENTATION; REVIEW OF CHANGES IN IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREAS AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES AND VEHICLES); DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 15 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE INSPECTION. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 17 - APRIL 10 (84-10): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, UNIT 2 TRIPS, UNIT 1 CONTAINMENT BUILDING INSPECTIONS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1984

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

****** * FARLEY 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AN	D COMPONENT	PROBLEMS:	
NONE.			
FACILITY I	TEMS (PLANS	AND PROCEDU	URES):
NONE.			
MANACERIAL	ITEMS:		
NONE.			
PLANT STAT	US:		
NORMAL OPE	RATION.		
LAST IE SI	TE INSPECTI	ON DATE: M	ARCH 17 - APRIL 10, 1984 +
INSPECTION	REPORT NO:	50-364/84	-10 +
			REPORTS FROM LICENSEE
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004/	03/27/84	04/19/84	REACTOR TRIPPED FROM 100% POWER, DUE TO A POWER RANGE NEUTRON HIGH FLUX NEGATIVE RATE, CAUSED BY SEVERE LIGHTNING.
================		=======================================	

1.	Docket: _50-333	OPERAT	INGS	TATUS
2.	Reporting Period: 04/01/1	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: J. COOK	(315) 342-	3840	
4.	Licensed Thermal Power (M	Wt):		2436
5.	Nameplate Rating (Gross M	981 X	0.9 = 883	
6.	Design Electrical Rating	(Net MWe):		821
7.	Maximum Dependable Capaci	ty (Gross M	We):	830
8.	Maximum Dependable Capaci	810		
9.	If Changes Occur Above Sin NONE	nce Last Re	port, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions, NONE	If Any:		
12.	Report Period Hrs	MONTH 7 19.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	719.0	2,593.3	1
14.	Rx Reserve Shtdwn Hrs	. 0		0
15.	Hrs Generator On-Line	719.0	2,520.6	53,720.5
16.	Unit Reserve Shtdwn Hrs		0	
17.	Gross Therm Ener (MWH)	1,721,088	5,751,672	113,488,258
18.	Gross Elec Ener (MWH)	580,280	1,928,470	38,585,790
19.	Net Elec Ener (MWH)	562,090	1,866,135	37,364,775
20.	Unit Service Factor	100.0	86.8	69,9
21.	Unit Avail Factor	100.0	86.8	69,9
22.	Unit Cap Factor (MDC Net)	96.5	79.4	63.6*
23.	Unit Cap Factor (DER Net)	95.2		59.3
24.	Unit Forced Outage Rate		3.9	14.1
25.	Forced Outage Hours		103.4	8,986.6
26.	Shutdowns Sched Over Next	6 Months (Type,Date,	Duration):
27	If Currently Shutdown Est	imated Star	tup Date:	N/A



* Item calculated with a Weighted Average

Report	Period Al	PR 19	84		UN	IT	s	ΗU	T	D	0 W	N	s	1	R	E	DU	c	T	I	• •	N S	
No.	Date	Type	Hours	Reason	Method	LER	Nur	nber	5	VS.	tem	C	omp	oner	nt	_		- (Cau	50	*	Co	rractive Action to Prevent Recurrence
6	04/28/84	S	0.0	н	5											RE	DUC	ED	PO	WE	RF	FOR	ROD PATTERN ADJUSTMENT.

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

**************************************	ILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATENEW YORK	UTILITY LICENSEEPOWER AUTHORITY OF STATE OF N.Y.
COUNTYOSWEGO	CORPORATE ADDRESS 10 COLUMBUS CIRCLE
DIST AND DIRECTION FROM NEAREST POPULATION CTR8 MI NE OF OSWEGO, NY	CONTRACTOR ARCHITECT/ENGINEERSTONE & WEBSTER
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYNOVEMBER 17, 1974	CONSTRUCTORSTONE & WEBSTER
DATE ELEC ENER 1ST GENERFEBRUARY 1, 1975	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEJULY 28, 1975	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEI
CONDENSER COOLING WATERLAKE ONTARIO	IE RESIDENT INSPECTORL. DOERFLEIN
ELECTRIC RELIABILITY COUNCILNORTHEAST POWER	LICENSING PROJ MANAGER H. ABELSON DOCKET NUMBER
COORDINATING COUNCIL	LICENSE & DATE ISSUANCEDPR-59, OCTOBER 17, 1974
	PUBLIC DOCUMENT ROOMSTATE UNIVERSITY COLLEGE OF OSWEGO PENFIELD LIBRARY - GOVERNMENT DOCUMENTS CO

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OSWEGO, MY 13126 (315) 341-2323

Report Period APR 1984

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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 DATE OF SUBJECT EVENT REPORT

NO INPUT PROVIDED.

1.	Docket: _50-285_ 0	PERAT	ING S	TATUS
2.	Reporting Period: 04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: P. MA	TTHEWS (40	2) 536-4733	5
4.	Licensed Thermal Power (MW	(+):		1500
5.	Nameplate Rating (Gross Mk	le):	591 X 0	.85 = 502
6.	Design Electrical Rating (Net MWe):		478
7.	Maximum Dependable Capacit	y (Gross M	We):	461
8.	Maximum Dependable Capacit	y (Net MWe	;):	438
9.	If Changes Occur Above Sin NONE	ce Last Re	port, Give	Reasons:
10.	Power Level To Which Restr	icted, If	Any (Net Mk	le);
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	. 0	1,490.2	72,104.1
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	1,309.5
15.	Hrs Generator On-Line	. 0	1,489.5	70,842.1
16.	Unit Reserve Shtdun Hrs	. 0		. 0
17.	Gross Therm Ener (MWH)	0	2,152,797	88,912,511
18.	Gross Elec Ener (MWH)	0	640,258	29,319,682
19.	Net Elec Ener (MWH)	0	656,538	27,736,398
20.	Unit Service Factor	. 0	51.3	76.3
21.	Unit Avail Factor	. 0	51.3	76.3
22.	Unit Cap Factor (MDC Net)	. 0	51.6	65.1
23.	Unit Cap Factor (DER Net)	. 0	47.3	62.5
24.	Unit Forced Outage Rate	. 0		3.5
25.	Forced Outage Hours			1,398.4
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D)uration):
27	If Currently Shutdown Esti	mated Star	tuo Data:	05/20/84



* Item calculated with a Weighted Average

Report	Period Af	PR 19	84		UN	ΙT	SHU	TDOW	NS / R	E D	UCTIO	N S * FORT CALHOUN 1 *
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component		Cause &	Corrective Action to Prevent Recurrence
84-01	03/03/84	S	719.0	с	4			RX	FUELXX	1984	REFUELING	OUTAGE CONTINUES.

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

**************************************	FACILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATENEBRASKA	UTILITY LICENSEEOMAHA PUBLIC POWER DISTRICT
COUNTYWASHINGTON	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR19 MI N OF OMAHA, NEB	CONTRACTOR ARCHITECT/ENGINEERGIBBS, HILL, DURHAM & RICHARDSON
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERCOMBUSTION ENGINEERING
DATE INITIAL CRITICALITYAUGUST 6, 1973	CONSTRUCTOR
DATE ELEC ENER 1ST GENERAUGUST 25, 1973	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEJUNE 20, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIV
CONDENSER COOLING WATERMISSOURI RIVER	IE RESIDENT INSPECTORL. YANDELL
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERE. TOURIGNY DOCKET NUMBER
AGREEMENT	LICENSE & DATE ISSUANCEDPR-40, AUGUST 9, 1973
IN	PUBLIC DOCUMENT ROOMW. DALE CLARK LIBRARY 215 S. 15TH STREET OMAHA, NEBRASKA 68102 SPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 1-31, 1984 (84-07): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE ACTIVITIES, PREPARATION FOR REFUELING, OUTAGE ACTIVITIES, AND FOLLOWUP OF IE CIRCULARS WITHIN THE FIVE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (VIOLATION - FAILURE TO FOLLOW PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

÷	×	×	×	×	×	×	×	×	×	★	×	×	×	×	×	۰	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	芾	×	κ.
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OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1984

INSPECTION REPORT NO: 50-285/84-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02	3/3/84	4/2/84	FAILURE OF MS SAFETY VALVE TO LIFT WITHIN SETPOINT TOLERANCE
84-03	3/14/84	4/13/84	PARTIAL LOSS OF DC POWER
84-04	3/3/84	4/5/84	REACTOR COOLANT DOSE EQUIVALENT IODINE LIMIT EXCEEDED.

1. Docket: _50-267	PERAT	ING S	TATUS
2. Reporting Period: _04/01/3	4 Outage	+ On-line	Hrs: 719.0
3. Utility Contact: C. H. FL	ULLER (303)	785-2224	
4. Licensed Thermal Power (M	4t):		842
5. Kameplate Rating (Gross M	le):	403 X 0	.85 = 343
6. Design Electrical Rating ((Net MWe):		330
7. Maximum Dependable Capacit	y (Gross M	le):	342
3. Maximum Dependable Capacit	ty (Net MWe)		330
 If Changes Occur Above Sir NONE 	nce Last Rep	oort, Give	Reasons:
18. Power Level To Which Rest	icted. If A	ny (Net MW	a): 280
11 Reasons for Restrictions.	If Any:		
PENDING COMPLETION OF 8-0	STARTUP TES	TING.	
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	719.0	2,903.0	42,384.0
13. Hours Reactor Critical		468.0	26,295.3
14. Rx Reserve Shtdwn Hrs	0	0	0
15. Hrs Generator On-Line	0	446.6	18,250.0
16. Unit Reserve Shtdwn Hrs	0	0	0
17. Gross Therm Ener (MWH)	0	240,819	9,610,571
18. Gross Elec Ener (MWH)	0	77,412	3,230,862
19. Net Elec Ener (MWH)	-2,507	64,924	2,936,454
20. Unit Service Factor	0	15.4	43.1
21. Unit Avail Factor	0	15.4	43.1
22. Unit Cap Factor (MDC Net)		6.8	21.0
23. Unit Cap Factor (DER Net)	0	6.8	21.0
24. Unit Forced Outage Rate		1.5	39.0
25. Forced Outage Hours	0	6.9	11,683.9
 Shutdowns Sched Over Next 5-1-84 THROUGH 5-28-84. Ma 	6 Months (1	ype,Date,D	uration):
27. If Currently Shutdown Esti	mated Start	up Date:	05/28/84



Report	Period Al	PR 19	84		UN	ΙT	SHU	TDOW	NS / R	E D U C T I O N S * FORT ST VRAIN ************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8+-002	01/19/84	5	719.0	с	4			RC	FUELXX	REFUELING, TURBINE OVERHAUL, "A" HELIUM CIRCULATOR CHANGEOUT, PCRV TENDON SURVEILLANCE, ROUTINE CORRECTIVE AND PREVENTIVE MAINTENANCE.

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

**************************************	CILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATECOLORADO	UTILITY LICENSEEPUBLIC SERVICE OF COLORADO
COUNTYWELD	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR35 MI N OF DENVER, COL	CONTRACTOR ARCHITECT/ENGINEERSARGENT & LUNDY
TYPE OF REACTORHTGP	NUC STEAM SYS SUPPLIERGENERAL ATOMIC CORP.
DATE INITIAL CRITICALITY JANUARY 31, 1974	CONSTRUCTOREBASCO
DATE ELEC ENER 1ST GENERDECEMBER 11, 1976	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEJULY 1, 1979	REGULATORY INFORMATION
CONDENSER COOLING METHOD COOLING TOWER	IE REGION RESPONSIBLEIV
CONDENSER COOLING WATER	IE RESIDENT INSPECTORG. PLUMLEE
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERP. WAGNER DOCKET NUMBER
COORDINATING COUNCIL	LICENSE & DATE ISSUANCEDPR-34, DECEMBER 21, 1973
	PUBLIC DOCUMENT ROOMGREELEY PUBLIC LIBRARY CITY COMPLEX BUILDING

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 7.4.D STATED THAT PROCEDURE. FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20, AND SHALL BE APPROVED, MAINTAINED, AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. SPECIFICALLY, SECTION 4.1.6.3 OF HPP-26, "RADIOACTIVE MATERIA' CONTROL AND HANDLING," ISSUE 6, DATED JULY 7, 1983, STATED IN PART THAT CLOTHING NOT MEETING THE LIMIT OF 100 COUNTS PER MINUTE (CPM) ABOVE BACKGROUND SHALL BE STORED FOR DELAY AND SUBSEQUENT REWASHING. CONTRARY TO THE ABOVE, A MAINTENANCE WORKER WAS OBSERVED TO HAVE IN HIS POSSESSION ON FEBRUARY 9, 1984, A SET OF ANTI-CONTAMINATION CLOTHING THAT HE HAD SURVEYED TO INDICATE GREATER THAN 400 CPM ABOVE BACKGROUND AND HE DID NOT STORE THEN FOR DELAY AND SUBSEQUENT REWASHING. (8404 5)

INSPECTION STATUS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

GREELEY, COLORADO 80631

Report Period APR 1984

OTHER ITEMS

MAJOR ELECTRICAL MODIFICATIONS TO THE AUXILIARY ELECTRICAL SYSTEM, INSTRUMENT POWER SYSTEM, 480V AC DISTRIBUTION SYSTEM, AND 4160/480V AC TRANSFORMERS ARE SCHEDULED FOR THIS REFUELING DUTAGE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THIRD REFUELING OUTAGE BEGAN JANUARY 19, 1984, AND IS STILL CONTINUING

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

INSPECTION REPORT NO: 50-267/84-07

REPORTS FROM LICENSEE

	======				:=
N	UMBER	DATE OF EVENT	DATE OF REPORT	JBJECT	
===	=======				

1.	Docket: _50-244_ 0	PERAT	TINGS	TATUS								
2.	Reporting Period: _04/01/8	14 Outage	e + On-line	Hrs: 719.0								
3.	Utility Contact: ROBERT E	. DODGE (315) 524-44	46								
4.	Licensed Thermal Power (Mk	1f):		1520								
5.	Nameplate Rating (Gross MW	le):	608 X	0.85 = 517								
6.	Design Electrical Rating (470									
7.	Maximum Dependable Capacit	490										
8.	Maximum Dependable Capacity (Net MWe): 470											
9.	If Changes Occur Above Sin NONE	ice Last Re	aport, Give	Reasons:								
10.	Power Level To Which Restr	icted. If	Any (Net M	We):								
11.	Reasons for Restrictions,	If Any:										
	NONE	1.63.15	Section Sector Sec									
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 126,479.0								
13.	Hours Reactor Critical		1,490.1	95,089.5								
14.	Rx Reserve Shtdwn Hrs			1,631.5								
15.	Hrs Generator On-Line	. 0	1,489.5	93,000.9								
16.	Unit Reserve Shtdwn Hrs			8.5								
17.	Gross Therm Ener (MWH)	0	2,207,424	128,464,793								
18.	Gross Elec Ener (MWH)	0	733,488	41,897,859								
9.	Net Elec Ener (MWH)	0	697,630	39,723,874								
:0.	Unit Service Factor		51.3	73.5								
1.	Unit Avail Factor		51.3	73.5								
2.	Unit Cap Factor (MDC Net)	. 0	51.1	69.0								
3.	Unit Cap Factor (DER Net)	. 0	51.1	69.0								
4.	Unit Forced Outage Rate	. 0	0	7.7								
5.	Forced Outage Hours	. 0		3,802.1								
6.	Shutdowns Sched Over Next : NONE	6 Months (Type,Date,D	ouration):								
17.	If Currently Shutdown Estin	mated Star	tun Date:	05/16/84								



* Item calculated with a Weighted Average

Report	Period AF	PR 19	84		UN	13	SHU	TDOW	NS /	R	EDU	ст	I	0	N S	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compone	nt		Ca	use	8	Co	rrective Action to Prevent Recurrence
1	03/03/84	s	719.0	с	4			RC	FUELXX		REFUEL	ING		MA	INT	ENANCE CONTINUES.

Туре	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure i-Admin 8-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)

******************************** GINNA ***** FACILITY DATA FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE NEW YORK ROCHESTER, NEW YORK 14604 DIST AND DIRECTION FROM NEAREST POPULATION CTR... 15 MI NE OF CONTRACTOR ROCHESTER, NY ARCHITECT/ENGINEER.....GILBERT ASSOCIATES TYPE OF REACTOR PWR NUC STEAM SYS SUPPLIER. ...WESTINGHOUSE DATE INITIAL CRITICALITY ... NOVEMBER 8, 1969 CONSTRUCTOR.....BECHTEL DATE ELEC ENER 1ST GENER... DECEMBER 2, 1969 TURBINE SUPPLIER.....WESTINGHOUSE DATE COMMERCIAL OPERATE JULY 1, 1970 REGULATORY INFORMATION CONDENSER COOLING METHOD ... ONCE THRU IE REGION RESPONSIBLE.....I CONDENSER COOLING WATER LAKE ONTARIO IE RESIDENT INSPECTOR W. COOK ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....G. DICK COORDINATING COUNCIL LICENSE & DATE ISSUANCE.... DPR-18, SEPTEMBER 19, 1969 PUBLIC DOCUMENT ROOM......ROCHESTER PUBLIC LIBRARY

BUSINESS AND SOCIAL SCIENCE DIVISION 115 SOUTH AVENUE ROCHESTER, NEW YORK 14604

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

INSPECTION STATUS

*											
* GINNA *******************											
U S - (CONTINUED)						OM LICENSEE					
CTION STAT					PROVIDED.	REPORTS FR					
INSPE					ION DATE: NO INPUT P	INPUT PROVIDED	PATE OF SUBJECT				
sport Period APR 1984	THER ITEMS	NO INPUT PROVIDED. MANAGERIAL ITEMS:	NG INPUT PROVIDED.	PLANT STATUS:	NO INPUT PROVIDED. LAST IE SITE INSPECT	INSPECTION REPORT NO	NUMBER DATE OF	NO INPUT PROVIDED.			

			STATUS
2. Reporting Period: _04/0	1/84 Outag	e + On-line	e Hrs: 719,
3. Utility Contact:	EPPINGER (20	3) 267-2550	5 X274
4. Licensed Thermal Power	(MWt):		1825
5. Nameplate Rating (Gross	MWe):	667 X	0.9 = 600
6. Design Electrical Rating	g (Net MWe):		582
7. Maximum Dependable Capac	city (Gross	MWe):	596
8. Maximum Dependable Capac	tity (Net MW	e):	569
9. If Changes Occur Above 5	Since Last R	eport, Give	Reasons:
10. Power Level To Which Res	stricted, If	Any (Net M	We):
11. Reasons for Restrictions	. If Any:		
NONE			
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13. Hours Reactor Critical	719.0	2,903.0	124,104.4
14. Rx Reserve Shtdwn Hrs			1,200.5
15. Hrs Generator On-Line		2,903.0	118,810.3
16. Unit Reserve Shtdwn Hrs			373.7
17. Gross Therm Ener (MWH)	1,308,920	5,258,590	206,631,150
8. Gross Elec Ener (MWH)	434,953	1,749,318	67,862,561
9. Net Elec Ener (MWH)	415,446	1,670,374	64,571,075
0. Unit Service Factor	100.0	100.0	83.0
1. Unit Avail Factor	100.0	100.0	
2. Unit Cap Factor (MDC Net)	101.5	101.1	
3. Unit Cap Factor (DER Net)	99.3	98.9	
4. Unit Forced Outage Rate		0	6.0
5. Forced Outage Hours			1,158.0
 Shutdowns Sched Over Next REFUELING: 7/28/84 - 10 k 	6 Months () IEEKS	Type,Date,D	uration):



* Item calculated with a Weighted Average

Report Period APR 1984	UNIT	SHUTDOWNS	<pre>/ REDUCTIONS</pre>	MADDAM NECK MADDAM NECK MADDAM NE
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No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER DURING * SUMMARY * THE APRIL REPORT PERIOD.

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

FACILITY DESCRIPTION

LOCATION STATE.....CONNECTICUT

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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER

HARTFORD, CONNECTICUT 06101

CONTRACTOR

ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR STONE & WEBSTER

TURBINE SUPPLIER WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR P. SWETLAND

LICENSING PROJ MANAGER....J. LYONS DOCKET NUMBER.....50-213

LICENSE & DATE ISSUANCE.... DPR-61, DECEMBER 27, 1974

PUBLIC DOCUMENT ROOM......RUSSELL LIBRARY 119 BROAD STREET MIDDLETOWN, CONNECTITCUT 06457

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION PARAGRAPH 6.5.2.8.C STATES, "AUDITS OF FACILITY ACTIVITIES SHALL BE PERFORMED UNDER THE COGNIZANCE OF NRB. THESE AUDITS SHALL ENCOMPASS THE RESULTS OF ALL ACTIONS TAKEN TO CORRECT DEFICIENCIES OCCURRING IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS, OR METHOD OF OPERATION THAT AFFECT NUCLEAR SAFETY AT LEAST ONCE PER SIX MONTHS." CONTRARY TO THE ABOVE, ON OCTOBER 7, 1983. THERE WAS NO RECORD OF ANY AUDIT OF THE PLANT INFORMATION REPORT (PIR) SYSTEM WITHIN THE LAST SIX YEARS. THAT THE PIR SYSTEM IS UTILIZED TO CORRECT DEFICIENCIES IS EVIDENCED BY THE "PURPOSE" SECTION OF PROCEDURE QA 1.2-16.1, PLANT INFORMATION REPORT, REVISION 10, WHICH STATES, "THE PURPOSE OF THIS PROCEDURE IS TO SET FORTH THE REQUIREMENTS, THE BASIC PROCEDURE AND THE RESPONSIBILITIES FOR REPORTING, INVESTIGATING, DOCUMENTING AND FOLLOWUP ACTIVITIES FOR PLANT PROBLEMS." THIS IS A SEVERITY LEVEL V (8324 5)

OTHER ITEMS

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

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*											H	Å	D	D	A	M	f.	H	E	C	ĸ														×
*	ie.	*	×	×	*	×	×	×	×	-	×	*	×	*	¥	×	×	×	×	×	×	×	*	×	×	×	×	¥	×	*	×	×	×	×	×

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 DATE OF EVENT REPORT SUBJECT REPORT NO INPUT PROVIDED.

1. Docket: <u>50-321</u>	OPERA	TING 5	TATUS
2. Reporting Period:	184 Outag	e + On-line	Hrs: 719.1
3. Utility Contact: D.P. RA	AFFEDIE (91	2) 367-7851	
4. Licensed Thermal Power (P	Wt):		2436
5. Nameplate Rating (Gross M	Sie):	1000 X	0.85 = 850
6. Design Electrical Rating	(Net MWe):	100	777
7. Maximum Dependable Capaci	ity (Gross	14e):	801
8. Maximum Dependable Capaci	ty (Net MM	e):	752
9. If Changes Occur Above Si	nce Last R	eport, Give	Reasons:
NONE		2.2017	
10. Power Level To Which Rest	ricted, If	Any (Net M	We):
11. Reasons for Restrictions,	If Any:		
NONE			
	MONTH	YEAR	CUMULATIVE
12. Keport Period Hrs		2,903.0	
13. Mours Reactor Critical	719.0	2,234.5	
19. Rx Reserve Shtdwn Hrs	0	0	
15. Hrs Generator On-Line		2,138.4	48,531.4
16. Unit Reserve Shtdwn Hrs		0	
17. Gross Therm Ener (MWH)	1,727,182	4,888,468	102,023,583
18. Gross Elec Ener (MWH)	543,900	1,568,180	33,017,160
19. Net Elec Ener (MWH)		1,493,316	31,343,807
20. Unit Service Factor	100.0	73.7	66.5
21. Unit Avail Factor	100.0	73.7	66.5
22. Unit Cap Factor (MDC Net)	96.2	68.4	57.1
23. Unit Cap Factor (DER Net)	93.2	66.2	55.2
14. Unit Forced Outage Rate		24.1	
25. Forced Dutage Hours	0	680.0	9,289.9
6. Shutdowns Sched Over Next	6 Months (Type.Date.D	uration):
NONE			

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

AVERAGE DAILY POWER LEVEL (MWg) PLOT





HATCH 1 UNIT SHUTDOWNS / REDUCTIONS × Report Period APR 1984 ***** Cause & Corrective Action to Prevent Recurrence Date Type Hours Reason Method LER Number System Component No. RAMPING BACK TO RATED POWER FROM ROD ADJUSTMENT ON 3-30-84. CONROD RC 84-22 04/01/84 0.0 5 S B RECIRC PUMP "A" TRIPPED. CB PUMPXX F 5 34-23 04/04/84 0.0 A REDUCING LOAD FOR THE WEEKLY TURBINE TEST. HA TURBIN 84-24 04/06/84 6.0 B 5 5 REDUCING LOAD DUE TO LEAKS DISCOVERED IN 7 & 8TH STAGE CH VALVEX 84-25 04/07/84 F 0.0 A 5 FEEDMATER HEATER DRAIN VALVES. REDUCED LOAD DUE TO CONDENSATE DEMIN "F" OUT OF SERVICE. WC. DEMINX F 0.0 A 5 84-26 04/11/84 REDUCING LOAD FOR WEEKLY TURBINE TESTING. HA **NISSUT** 3 84-27 04/14/84 5 0.9 R REDUCING LOAD FOR WEEKLY TURBINE TESTING. HA TURBIN 5 84-28 04/17/84 S 8.0 B REDUCING LOAD FOR RCIC OIL LEAK REPAIR. CE 23 0.6 84-29 04/17/84 8 B REDUCING LOAD FOR WEEKLY TURBINE TESTING. HA TURBIN 0.0 5 84-30 04/21/84 5 B HOLDING LOAD DUE TO LOSS OF PROCESS COMPUTER. LOAD AT INSTRU . IB 84-31 04/21/84 5 0.0 A APPROX 735 GMWE. LOAD REDUCTION FOR WEEKLY TURBINE TESTING. TURBIN HA 5 84-32 04/28/84 S 0.0 B HA

13TH STAGE BUCKETS ON LOW PRESSURE TURBINE WERE DAMAGED TURBIN AND OUT FOR THE DURATION OF APRIL.

HATCH 1 REPORTS 12 REDUCTIONS AND NO OUTAGES DURING THE APRIL ******* REPORT PERIOD. * SUMMARY * *********

5

84-33 04/01/84

0.0

A

F

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

**************************************	CILITY DATA Menort Period APP 1994
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEGEORGIA	UTILITY LICENSEEGEORGIA POWER
COUNTYAPPLING	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR11 MI N OF BAXLEY, GA	ATLANTA, GEORGIA 30308 CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTOR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYSEPTEMBER 12, 1974	CONSTRUCTORGEORGIA POWER CO.
DATE ELEC ENER 1ST GENERNOVEMBER 11, 1974	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEDECEMBER 31, 1975	REGULATORY INFORMATION
CONDENSER COOLING METHOD COOLING TOWER	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERALTAMAHA RIVER	IE RESIDENT INSPECTORR. CRLENJAK
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERG. RIVENBARK DOCKET NUMBER50-321
	LICENSE & DATE ISSUANCEDPR-57, OCTOBER 13, 1974
	PUBLIC DOCUMENT ROOM APPLING COUNTY PUBLIC LIBRARY 301 CITY HALL DRIVE
INSPECTION SUMMARY	CTION STATUS DALLET, GEORGIA 31363

INSPECTION SUMMARY

+ INSPECTION APRIL 3-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREA OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.C, PROCEDURES FOR IMPLEMENTATION OF SURVEILLANCE OF SAFETY RELATED EQUIPMENT IN THAT RECORDS FOR THE "FALL 1982" INSPECTION OF RV FLANGE TO SHELL WELD C-1 DID NOT SHOW THE EXTENT OR LOCATION OF THE AREA INSPECTED.

(8403 5)

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT FOLLOWED DURING INSPECTION OF MASONRY WALL (8405 5)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION X, ON FEBRUARY 16, 1984, THE NRC INSPECTOR IDENTIFIED A SYSTEM NOT RESTORED TO ORIGINAL DESIGN REQUIREMENTS IN THAT THE THERMAL INSULATION AND ELECTRICAL HEAT TRACING ON APPROXIMATELY A THREE FOOT SECTION OF PIPING DOWNSTREAM OF THE UNIT 1, DIVISION 1, PLANT SERVICE WATER STRAINER A BACKWASH VALVE, P41-F313A WAS NOT PROPERLY RESTORED. Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

(8407 4)

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, ON FEBRUARY 15, 1984, THE NRC INSPECTOR DISCOVERED THAT: (A) PROCEDURE HNP-809, SECTION F.1.B, PLANT MODIFICATIONS APPROVAL AND IMPLEMENTATION, WAS NOT PROPERLY IMPLEMENTED IN THAT DESIGN CHANGE REQUEST 83-28 WAS CLOSED OUT WITHOUT THE APPROPRIATE CHANGES BEING MADE TO UNIT 1 DRAWING H-11304, FIRE PROTECTION P&ID, AS REQUIRED BY AS-BUILT NOTICE 83-238. (B) PROCEDURE HNP-812, SECTION E 4, AS-BUILT NOTICE WAS INADEQUATE IN THAT THE PROCEDURE ONLY REQUIRES VERIFICATION THAT THE APPROPRIATE AS-BUILT NOTICE NUMBER APPEAR IN THE DRAWING REVISION BLOCK. NO REQUIREMENT EXISTS FOR VERIFYING THAT THE SPECIFIED CHANGE HAD ACCURATELY BEEN MADE TO THE DRAWING, AS DESCRIBED IN 1 ABOVE. (8407 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS: NONE. FACILITY ITEMS (PLANS AND PROCEDURES): NONE. MANAGERIAL ITEMS: NONE. PLANT STATUS: NORMAL OPERATIONS. + LAST IE SITE INSPECTION DATE: APRIL 3-6, 1984 + INSPECTION REPORT NO: 50-321/84-11 + REPORTS FROM LICENSEE DATE OF SUBJECT NUMBER DATE OF REPORT EVENT RECORDS FOR THE PREVIOUS LOCAL LEAK RATE TEST WERE NOT AVAILABLE, DUE TO PERSONNEL ERROR. 02/24/84 03/23/84 84-002/

2.	DOCKEC	DPERAT	ING S	TATUS	
	Reporting Period: 04/01/2	84 Outage	+ On-line	Hrs: 719.0	
3.	Utility Contact: D.P. RAN	FEEDIE (912	367-7851		
4.	Licensed Thermal Power (MM	4t):		2436	
5.	Nameplate Rating (Gross MWe):			0.85 = 850	
6.	Design Electrical Rating (Net MWe):			784	
7.	Maximum Dependable Capacity (Gross MWe):			806	
8.	Maximum Dependable Capacit):	748		
9.	If Changes Occur Above Sir NONE	nce Last Rep	port, Give	Reasons:	
10	Power Level To Which Post	icted 16	Inter China Mi	1- > -	
	Posses for Postsisting	Toted, It /	any (Net M	4e):	
	NONE	If Any:			
	HUNE	MONTH	VEID		
12.	Report Period Hrs		2,903.0	40,800.0	
13.	Hours Reactor Critical		308.2	27,547.1	
14	Rx Reserve Shtdwn Hrs	. 0	. 0	. 0	
		A REAL PROPERTY OF THE PARTY OF			
15.	Hrs Generator On-Line	. 0	308.2	26,241.1	
15. 16.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs	. 0	308.2		
15. 16. 17.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH)	0 0	<u>308.2</u> .3 .726,912	<u></u>	
15. 16. 17. 18.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH)	0 0 0	<u>308.2</u> .9 .726,912 .242,640	<u>26,241.1</u> .0 56,293,208 18,547,990	
15. 16. 17. 18.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH)	<u>.0</u> .0 0 -1,969	<u>308.2</u> 	26,241.1 .0 56,293,208 18,547,990 17,644,673	
15. 16. 17. 18. 19. 20.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor	<u>.0</u> <u>0</u> <u>0</u> <u>-1,969</u> <u>.0</u>	<u> </u>	<u>26,241.1</u> .0 <u>56,293,208</u> <u>18,547,990</u> <u>17,644,673</u> <u>64.3</u>	
15. 16. 17. 18. 19. 20. 21.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor	<u>.0</u> 0 0 -1,969 .0	<u>308.2</u> .9 726,912 242,640 226,431 10.6 10.6	<u>26,241.1</u> .0 56,293,208 18,547,990 17,644,673 64.3 64.3	
15. 16. 17. 18. 19. 20. 21. 22.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net)	<u>.0</u> <u>.0</u> <u>0</u> <u>0</u> <u>-1,969</u> <u>.0</u> <u>.0</u>	<u> </u>	26,241.1 .0 56,293,208 18,547,990 17,644,673 64.3 64.3 57.8	
15. 16. 17. 18. 19. 20. 21. 22. 23.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net)	.0 .0 0 .0 .0 .0 .0	<u> </u>		
15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate	.0 .0 0 0 -1,969 .0 .0 .0 .0 .0	308.2 .9 726,912 242,640 226,431 10.6 10.6 10.4 9.9 .0	26,241.1 .0 56,293,208 18,547,990 17,644,673 64.3 64.3 57.8 55.2 11.5	
15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25.	Hrs Generator On-Line Unit Reserve Shtdwn Hrs Gross Therm Ener (MWH) Gross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate Forced Outage Hours	.0 .0 0 0 -1,969 .0 .0 .0 .0 .0 .0	308.2 .3 726,912 242,640 226,431 10.6 10.6 10.4 9.9 .0 .0		



APRIL 1984
Report	Period AF	PR 19	84		UN	IT	SHU	TDOW	N 5 / F	R	EDU	c	TI	0	N	**************************************	
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	nt :		0	aus	se_	8 0	Corrective Action to Prevent Recurrence	-
84-5	01/13/84	S	719.0	н	4			CB	PIPEXX	1	RECIR	C F	PIPE	R	EPL	LACEMENT OUTAGE.	

********** * SUMMARY * ********

HATCH 2 REMAINS SHUTDOWN IN A COMTINUING REPAIR OUTAGE.

Туре	Reason		Method	System & Component
F-Forced S-Sched	A-Equip Failure B-Maint or Test C-Refueling D-Regulatory Rest E-Operator Trainin & License Exam	F-Admin G-Oper Error H-Other riction ng ination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0101)

FACTLITY DESCRIPTION	Report Period APR 1984
INVACALL DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
STATEGEORGIA	UTILITY LICENSEEGEORGIA POWER
COUNTYAPPLING	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR11 MI N OF BAXLEY, GA	CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYJULY 4, 1978	CONSTRUCTORGEORGIA POWER CO.
DATE ELEC ENER 1ST GENERSEPTEMBER 22, 1978	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATESEPTEMBER 5, 1979	REGULATORY INFORMATION
CONDENSER COOLING METHODCOOLING TOWER	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERALTAMAHA RIVER	IE RESIDENT INSPECTORR. CRLENJAK
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERG. RIVENBARK DOCKET NUMBER
RELINDICITY COUNCIL	LICENSF & DATE ISSUANCENPF-5, JUNE 13, 1978
	PUBLIC DOCUMENT ROOM APPLING COUNTY PUBLIC LIBRARY 301 CITY HALL DRIVE BAYLEY CODOCT
INSPI	ECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 3-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RECIRC PIPING REPLACEMENT. ONE APPARENT VIOLATION WAS FOUND (FAILURE TO PROVIDE A PROCEDURE FOR CALIBRATION OF AUTOMATIC WELDING EQUIPMENT).

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT FOLLOWED DURING INSPECTION OF MASONRY WALL MODIFICATIONS. (8405 5)

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, PROCEDURE HNP-2-1500, PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEMS, WAS NOT PROPERLY IMPLEMENTED DUE TO PROCEDURE INADEQUACIES, IN THAT, BETWEEN JULY 2, 1983 AND FEBRUARY 3, 1984, DURING PERIODS OF UNIT 2 CONTAINMENT INERTING EVOLUTIONS, NO PROCEDURAL PROVISION EXISTED TO PREVENT NITROGEN BEING ADMITTED TO THE TORUS AT TEMPERATURES BELOW THE SPECIFIED BAND OF 100-250F. (8407 4)

CONTRARY TO 10CFR50. APPENDIX B, CRITERION XII, MEASURES WERE NOT ESTABLISHED TO ASSURE CONTROL AND CALIBRATION OF MEASURING

Report Period APR 1984

ENFORCEMENT SUMMARY

DEVICES IN THAT PROCEDURES WERE NOT ISSUED FOR CONTROL AND CALIBRATION OF AUTOMATIC WELDING EQUIPMENT USED FOR WELDING RECIRC SYSTEM PIPING WELDS. (8411 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

RECIRCULATION PIPE REPLACEMENT IN PROGRESS.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN.

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LAST IE SITE INSPECTION DATE: APRIL 3-6, 1986 +
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INSPECTION REPORT NO: 50-366/84-11 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT		
NONE					

1.	Docket: _50-247	OPERAT	TING S	TATUS
2.	Reporting Period: _04/01/	84 Outage	a + On-line	Hrs: 719.0
3.	Utility Contact: E. EICH	(914) 694-	-6000 à I.P	
4.	Licensed Thermal Power (M	Wt):		2758
5.	Nameplate Rating (Gross M	We):	1126 X	0.9 = 1013
6.	Design Electrical Rating	(Net MWe):		873
7.	Maximum Dependable Capaci	ty (Gross M	1We):	885
8.	Maximum Dependable Capaci	ty (Net MWe	e):	849
9.	If Changes Occur Above Si	nce Last Re	port, Give	Reasons:
	ITEMS 6 & 7 REFLECT SUMME	R RATINGS.		
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH719.0	YEAR 2,903.0	CUMULATIVE 86,208.0
13.	Hours Reactor Critical	719.0	2,460.4	58,408.0
14.	Rx Reserve Shtdwn Hrs	0		2,119.1
15.	Hrs Generator On-Line	719.0	2,436.5	
16.	Unit Reserve Shtdwn Hrs			
17.	Gross Therm Ener (MWH)	1,961,795	6,599,713	147,640,212
18.	Gross Elec Ener (MWH)	623,410	2,085,090	45,742,666
19.	Net Elec Ener (MWH)		1,401,236	43,028,328
20.	Unit Service Factor		83.9	65.7
21.	Unit Avail Factor	100.0	83.9	65.7
22.	Unit Cap Factor (MDC Net)	1	56.1	<u>58.9</u> ×
23.	Unit Cap Factor (DER Net)	1	55.3	57.2
24.	Unit Forced Outage Rate			9.7
25.	Forced Outage Hours		466.5	5,842.7
26.	Shutdowns Sched Over Next	6 Months (Type, Date, I	Duration):
	INSPECTION/REFUELING OUTAG	GE TO BEGIN	JUNE 2, 19	84.



* Item calculated with a Weighted Average

Report	Period AF	PR 198	84		UN	IT	SHU	TDO		N S		R	E	DU	, 0	: т	I	0	N 9	NXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
No.	Date	Type	Hours	Reason	Method	LER	Number	Syste	m	Com	pone	ent	-			Ca	US	2 8	C	prrective Action to Prevent Recurrence
	04/02/84	F	0.0	A	5					IN	ISTRI	U	NI	SF	POW	IER	R	ANO	SE F	FAILED.
	04/18/84	F	0.0		5					нт	EXC	H	RE	DUC	ED) L	OAL	0 0	DUE	TO VACUUM LOSS.

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*********** * SUMMARY * *******

INDIAN POINT 2 OPERATED WITH 2 REDUCTIONS DURING APRIL.

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

PAGE 2-129

1

INDIAN POINT 2 *	F	A
ACILITY DESCRIPTION		
LOCATION STATENEW YORK		
COUNTYWESTCHESTER		
DIST AND DIRECTION FROM NEAREST POPULATION CTR25 MI N OF NEW YORK CITY, NY		
TYPE OF REACTORPWR		
DATE INITIAL CRITICALITY MAY 22, 1973		
DATE ELEC ENER 1ST GENERJUNE 26, 1973		
DATE COMMERCIAL OPERATE AUGUST 1, 1974		
CONDENSER COOLING METHODONCE THRU		
CONDENSER COOLING WATERHUDSON RIVER		
ELECTRIC RELIABILITY COUNCIL	NC	IL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....CONSOLIDATED EDISON CORPORATE ADDRESS......4 IRVING PLACE

NEW YORK, NEW YORK 10003

CONTRACTOR ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR......WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. KOLTAY

LICENSE & DATE ISSUANCE.... DPR-26, SEPTEMBER 28, 1973

PUBLIC DOCUMENT ROOM......WHITE PLAINS PUBLIC LIBRARY 100 MARTINE AVENUE WHITE PLAINS, NEW YORK 10601

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS: NO INPUT PROVIDED. FACILITY ITEMS (PLANS AND PROCEDURES): NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:				
NO INPUT PROVIDED.				
PLANT STATUS:				
NO INPUT PROVIDED.				
LAST IE SITE INSPECTION DATE: NO IN	PUT PROVIDED.			
INSPECTION REPORT NO: NO INPUT PROV	VIDED.			
	REPORTS	FROM LIC	ENSEE	

	IN LEAT			

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

	Docket: _50-286	OPERAT	INGS	TATUS
2.	Reporting Period: _04/01/	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: L. KELL	Y (914) 739	-8200	
4.	Licensed Thermal Power (M	Wt):		3025
5.	Nameplate Rating (Gross M	We):	1126 X	0.9 = 1013
6.	Design Electrical Rating	(Net MWe):		965
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1000
8.	Maximum Dependable Capaci	ty (Net MWe	:	965
9.	If Changes Occur Above Sin NONE	nce Last Re	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):
11.	Reasons for Restrictions, NONE	If Any:		
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical		2,208.4	36,632.9
14.	Rx Reserve Shtdwn Hrs		.0	
15.	Hrs Generator On-Line	719.0	2,110.1	35,252.4
16.	Unit Reserve Shtdwn Hrs			. 0
17.	Gross Therm Ener (MWH)	2, 144, 331	5,745,580	90, 115, 416
18.	Gross Elec Ener (MWH)	709,090	1,875,805	28,242,416
19.	Net Elec Ener (MWH)	684,386	1,803,485	27,047,663
20.	Unit Service Factor	100.0	72.7	52.4
21.	Unit Avail Factor	100.0	72.7	52.4
22.	Unit Cap Factor (MDC Net)	98.6	64.4	41.7
23.	Unit Cap Factor (DER Net)	98.6	64.4	41.7
24.	Unit Forced Outage Rate		27.2	23.8
	Forcad Outage Hours	. 0	786.8	10,983.6
25.	rorceo oucage noors			



Report	Period APR 1984	U I	NIT	SHU	тром	NS	/ R	EDU	стл	ON	S	**************************************
No.	Date Type Hours	Reason Method	d LER P	Number	System	Compo	nent		Caus	ie &	Corr	ective Action to Prevent Recurrence

NONE

Туре	Reason		Method	System & Component
F-Forced S-Sched	A-Equip Failure B-Maint or Test C-Refueling D-Re-ulatory Res	F-Admin G-Oper Error H-Other triction	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued	Exhibit F & H Instructions for Preparation of Data Entry Sheet
	E-Operator Train & License Exa	mination	5-Reduced Load 9-Other	(LER) File (NUREG-0161

***** INDIAN POINT 3 ****************************** FACILITY DATA UTILITY & CONTRACTOR INFORMATION FACILITY DESCRIPTION LOCATION UTILITY STATE NEW YORK COUNTY......WESTCHESTER DIST AND DIRECTION FROM NEAREST POPULATION CTR...25 MI N OF CONTRACTOR NEW YORK CITY, NY TYPE OF REACTOR PWR DATE INITIAL CRITICALITY... APRIL 6, 1976 DATE ELEC ENER 1ST GENER... APRIL 27, 1976 REGULATOPY INFORMATION DATE COMMERCIAL OPERATE.... AUGUST 30, 1976 CONDENSER COOLING METHOD. . . ONCE THRU IE REGION RESPONSIBLE.....I CONDENSER COOLING WATER.... HUDSON RIVER ELECTRIC RELIABILITY COUNCIL NORTHEAST POWER COORDINATING COUNCIL

LICENSEE POWER AUTHORITY OF STATE OF N.Y.

CORPORATE ADDRESS..... 10 COLUMBUS CIRCLE NEW YORK, NEW YORK 10019

ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR......WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER......WESTINGHOUSE

IE RESIDENT INSPECTOR......T. KENNY

LICENSING PROJ MANAGER.....P. PGLK

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

AS A RESULT OF THE INSPECTION CONDUCTED ON JANUARY 16-FEBRUARY 15, 1984, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 10 CFR 2. APPENDIX C. THE FOLLOWING VIOLATION WAS IDENTIFIED: 10 CFR 50.59 PERMITS THE LICENSEE TO MAKE CHANGES TO THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT WITHOUT PRIOR COMMISSION APPROVAL, PROVIDED THE LICENSEE MAINTAINS A RECORD OF THE CHANGES THIS RECORD SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, ON JANUARY 19, 1984, CHANGES TO THE FACILITY, AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, WERE IDENTIFIED FOR WHICH NO WRITTEN SAFETY EVALUATION WAS PREPARED. THESE CHANGES WERE FITTINGS AND VALVES THAT HAD BEEN ADDED TO THE RESIDUAL HEAT REMOVAL SYSTEM FOR THE PURPOSE OF SAMPLING AND VENTING OR DRAINING THE SYSTEM. NO RECORD OF THESE CHANGES WAS DOCUMENTED IN PROCEDURES, OR ON THE UPDATED VERSION OF THE FACILITY DRAWINGS. (8402 4)

OTHER ITEMS

Report Period APR 1984

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×										I	N	D	I	A	N		P	0	I	N	T		3												×
¥	×	×	×	¥	×	¥	×	¥	×	×	×	×	×	×	×	×	×	¥	¥	×	¥	×	×	×	×	¥	¥	¥	×	¥	×	×	×	×	×

OTHER ITEMS

SYSTEMS AND COMPONENTS:
NO INPUT PROVIDED.
FACILITY ITEMS (PLANS AND PROCEDURES):
NO INPUT PROVIDED.
MANAGERIAL ITEMS:
NO INPUT PROVIDED.
PLANT STATUS:
NO INPUT PROVIDED.
LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.
INSPECTION REPORT NO: NO INPUT PROVIDED.
REPORTS FROM LICENSEE
NUMBER DATE OF DATE OF SUBJECT EVENT REPORT
NO THRUT REQUIRES
NU INPUT PRUVIDED.

1.	Docket: 50-305 0	PERAT	INGS	TATUS
2.	Reporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact:G.RUITER	(414) 388	-2560 X207	
4.	Licensed Thermal Power (MW	(f):		1650
5.	Nameplate Rating (Gross MW	le):	622 X 1	0.9 = 560
6.	Design Electrical Rating (Net MWe):		535
7.	Maximum Dependable Capacit	y (Gross M	We):	529
8.	Maximum Dependable Capacit	y (Net MWe):	503
9.	If Changes Occur Above Sin NONE	ce Last Re	port, Give	Reasons:
10.	Power Level To Which Restr	icted. If	Any (Net M	de):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	. 0	1,823.7	73,003.8
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	2,330.5
15.	Hrs Generator On-Line	. 0	1,823.5	71,636.0
16.	Unit Reserve Shtdun Hrs	. 0	. 0	10.0
17.	Gross Therm Ener (MWH)	0	2,898,189	111,869,275
18.	Gross Elec Ener (MWH)	0	952,300	36,810,400
19.	Net Elec Ener (MWH)	0	908,523	35,040,559
20.	Unit Service Factor	. 0	62.8	82.8
21.	Unit Avail Factor	. 0	62.8	82.8
2.	Unit Cap Factor (MDC Net)	. 0	62.2	77.8*
23.	Unit Cap Factor (DER Net)	. 0	58.5	75.7
24.	Unit Forced Outage Rate	. 0	. 0	3.8
25.	Forced Outage Hours	. 0	. 0	2,729.7
26.	Shutdowns Sched Over Next	6 Months (Type,Date,I	Duration):
7	If Currently Shutdown Esti	matod Star	tun Date:	05/09/84





* Item calculated with a Weighted Average

Report	Period AF	PR 19	84		UN	IT	SHU	T D	0 1	N N	s	1	S E	D	U C	т	I	0 1	N S	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	Sy	ster	n c	omp	onen	E =			Cau	JSe	8	Co	rrective Action to Prevent Recurrence
2	03/16/84	S	719.0	с	4				RC		FUE	LXX	C	ONT	TNU	ED	CY	CLE	FT	X-X REFUELING OUTAGE

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

KEWAUNEE K	ACILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEWISCONSIN	UTILITY LICENSEEWISCONSIN PUBLIC SERVICE
COUNTYKEWAUNEE	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR27 MI E OF GREEN BAY, WI.	CONTRACTOR ARCHITECT/ENGINEERPIONEER SERVICES & ENGINEERING
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYMARCH 7, 1974	CONSTRUCTORPIONEER SERVICES & ENGINEERING
DATE ELEC ENER 1ST GENERAPRIL 8, 1974	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEJUNE 16, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORR. NELSON
ELECTRIC RELIABILITY COUNCILMID-AMERICA	LICENSING PROJ MANAGERM. GROTENHUIS DOCKET NUMBER50-305
INTERPOOL NETWORK	LICENSE & DATE ISSUANCEDPR-43, DECEMBER 21, 1973
	PUBLIC DOCUMENT ROOMKEWAUNEE PUBLIC LIBRARY 822 JUNEAU STREET KEWAUNEE, WISCONSIN 54216
INST	PECTION STATUS
INSPECTION SUPPART	

INSPECTION ON MARCH 26-30, (84-03): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION PROGRAM DURING REFUELING INCLUDING: EXPOSURE CONTROLS, SURVEYS, TRAINING, RESPIRATOR USE, ALARA, POSTING AND CONTAMINATION CONTROLS, LICENSEE AUDITS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTORS ALSO REVIEWED AN UNPLANNED GASEOUS RELEASE IN MID MARCH. THE INSPECTION INVOLVED 78 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED - FAILURE TO CONDUCT RESPIRATORY TRAINING IN ACCORDANCE WITH PROCEDURES (SECTION 6). NO OTHER APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

XXX	****	*****	****	************	××
×		K	EWAUN	INEE	*
***	****	******	****	***********	××

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES): NONE MANAGERIAL ITEMS: NONE PLANT STATUS: THE PLANT IS SHUT DOWN FOR A SCHEDULED REFUELING OUTAGE. LAST IE SITE INSPECTION DATE: MARCH 26-30, 1984 INSPECTION REPORT NO: 84-03 REPORTS FROM LICENSEE DATE OF DATE OF SUBJECT EVENT REPORT NUMBER 84-02 03/16/84 04/13/84 TURBINE TRIP/REACTOR TRIF.

1. Docket: _50-409	OPERAT	ING S	TATUS
2. Reporting Period: _04/01/1	84_ Outage	+ On-line	Hrs: 719.0
3. Utility Contact: G. R. G	ADOW (608) (589-2331	
4. Licensed Thermal Power (M	Mf):		165
5. Nameplate Rating (Gross ML	We):	76.8 X	0.85 = 65
6. Design Electrical Rating	(Net MWe):		50
7. Maximum Dependable Capacit	ty (Gross M	le):	50
8. Maximum Dependable Capacit	ty (Net MWe)):	48
9. If Changes Occur Above Sir NONE	nce last Rep	bort, Give	Reasons:
0. Power Level To Which Rest	ricted, If /	Any (Net Mk	le):
11. Reasons for Restrictions,	If Any:		
NONE			
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 127,082.0
3. Hours Reactor Critical	520.3	2,580.0	83,324.4
4. Rx Reserve Shtdwn Hrs	0	. 0	478.0
5. Hrs Generator On-Line	479.8	2,435.5	
r. Unit Reserve Shtdwn Hrs			79.0
7. Gross Therm Ener (MWH)	76,130		10,660,188
8. Gross Elec Ener (MWH)	24,504	121,677	3, 178, 905
9. Net Elec Ener (MWH)	23,079	115,154	2,942,389
0. Unit Service Factor	66.7	83.9	60.8
1. Unit Avail Factor	66.7	83.9	60.9
2. Unit Cap Factor (MDC Net)	66.9	82.6	48.2
3. Unit Cap Factor (DER Net)	64.2	79.3	46.3
4. Unit Forced Outage Rate	33.3	9.7	9.5
5. Forced Outage Hours	239.2	261.3	7,104.6
6. Shutdowns Sched Over Next	6 Months (T	ype,Date,D	uration):
7 If Currently Shutdown Esti	mated Start	un Data:	05/03/84



LA CROSSE



APRIL 1984

PERCENT MDC

Report	Period Af	PR 19	84		UN	ΙT	SHU	TDOW	NS / R	E D U C T I O N S *********************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-02	04/09/84	F	84.4	A	3	84-06	5	СН	INSTRU	REACTOR AUTOMATICALLY SHUTDOWN DUE TO AN ERRONEOUS HIGH POWER/FLOW SIGNAL DURING A FEEDWATER SYSTEM TRANSIENT. FEEDWATER SYSTEM CONTROLS WERE REWORKED.
84-03	04/24/84	F	154.8	Α	1			RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN IN ORDER TO REWORK

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

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

ELECTRIC RELIABILITY

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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....DAIRYLAND POWER

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

NUC STEAM SYS SUPPLIER ... ALLIS-CHALMERS

CONSTRUCTOR...... MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WIEBE

LICENSING PROJ MANAGER.....R. DUDLEY DOCKET NUMBER......50-409

LICENSE & DATE ISSUANCE.... DPR-45, AUGUST 28, 1973

PUBLIC DOCUMENT ROOM.....LA CROSSE PUBLIC LIBRARY 800 MAIN STREET LA CROSSE, WISCONSIN 54601

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. (A) LACEWR OPERATING MANUAL, VOLUME X, HEALTH PHYSICS PROCEDURES, SECTION 6.4.5, REQUIRES THAT ALL PERSONS LEAVING CONTROLLED AREAS PLACE ALL USED PROTECTIVE CLOTHING IN A LAUNDRY HAMPER. CONTRARY TO THE ABOVE, USED PROTECTIVE CLOTHING WAS OBSERVED ON THE FLOOR IN THE WASTE TREATMENT, TURBINE, AND CONTAINMENT BUILDINGS, AND (B) LACEWR OPERATING MANUAL, VOLUME X, HEALTH PHYSICS PROCEDURES, SECTION 6.4.4, SPECIFIES THAT THE MINIMUM PROTECTIVE CLOTHING REQUIRED FOR ENTRY INTO A CONTROLLED AREA IS A LAB COAT. CONTRARY TO THE ABOVE, ONE PERSON WAS OBSERVED IN THE TURBINE BUILDING (CONTROLLED AREA) ON FEBRUARY 7, 1984, WITHOUT ANY PROTECTIVE CLOTHING. TECHNICAL SPECIFICATION 6.12 REQUIRES THAT, FOR EACH AREA WITH RADIATION LEVELS GREATER THAN 1000 MREMS/HOUR, THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED: EACH ENTRANCE OR ACCESS POINT TO THE AREA SHALL BE MAINTAINED LOCKED EXCEPT DURING PERIODS WHEN ACCESS TO THE AREA IS REQUIRED, WITH POSITIVE CONTROL OVER EACH INDIVIDUAL ENTRY, OR EACH ENTRANCE OR ACCESS POINT TO THE AREA SHALL BE EQUIPPED WITH A CONTROL DEVICE WHICH SHALL ENERGIZE A CONSPICUOUS VISIBLE OR AUDIBLE ALARM SIGNAL IN SUCH A MANNER THAT THE INDIVIDUAL ENTERING THE HIGH RADIATION AND THE LICENSEE OR A SUPERVISOR OF THE ACTIVITY ARE MADE AWARE OF THE ENTRY. CONTRARY TO THE ABOVE, THE AREA UNDER THE STAIRS NEAR THE FESW FILTERS AND PUMPS ON THE MEZZANINE LEVEL OF THE CONTAINMENT BUILDING, AN AREA EXCEEDING 1000 MREMS/HOUR, WAS NOT LOCKED OR EQUIPPED WITH A "ON THE ABOVE, THE AREA SHALL BE EQUIPPED WITH A CONTROL DEVICE WHICH SHALL ENERGIZE A CONSPICUOUS VISIBLE OR AUDIBLE ALARM SIGNAL IN SUCH A MANNER THAT THE INDIVIDUAL ENTERING THE HIGH RADIATION AREA AND THE LICENSEE OR A SUPERVISOR OF THE ACTIVITY ARE MADE AWARE OF THE ENTRY. CONTRARY TO THE ABOVE, THE AREA UNDER THE SAIRS NEAR THE FESW FILTERS AND PUMPS ON THE

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×													L	A		C	R	0	S	S	Ε															×
×	*	0	£	×	×	×	×	Ħ	Ħ	×	×	×	×	×	¥	×	×	×	×	×	¥	¥	×	×	×	×	×	×	×	×	×	×	×	×	×	×

ENFORCEMENT SUMMARY

DEVICE". ACCESS TO THE AREA WAS CONTROLLED ONLY BY A ROPE. (8403 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUT DOWN ON 4/25/84 TO REPAIR A FLANGE LEAK ON CONTROL ROD DRIVE NO. 7.

LAST IE SITE INSPECTION DATE: MARCH 16 - MAY 15, 1984

INSPECTION REPORT NO: 84-04

REPORTS FROM LICENSEE

DATE OF SUBJECT NUMBER DATE OF REPORT EVENT

NONE

1.	Docket: _50-373	OPERA	TINGS	TATUS
2.	Reporting Period:	84 Outag	e + On-line	Hrs: 719.0
3.	Utility Contact: DIANA L	. LIN (815) 357-6761)	X481
4.	Licensed Thermal Power (M	Wt):		3323
5.	Nameplate Rating (Gross M	We):	1078	
6.	Design Electr' al Rating	(Net MWe):		1078
7.	Maximum Dependable Capaci	ty (Gross)	MWe):	1078
8.	Maximum Dependable Capaci	ty (Net MW	e):	1078
9.	If Changes Occur Above Si NONE	nce Last R	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH719.0	YEAR 2,903.0	CUMULATIVE 2,903.0
13.	Hours Reactor Critical	699.6	1,858.1	1,858.1
14.	Rx Reserve Shtdwn Hrs	19.4	1,012.0	1,012.0
15.	Hrs Generator On-Line	684.7	1,720.3	1,720.3
16.	Unit Reserve Shtdwn Hrs	.0	1.0	1.0
17.	Gross Therm Ener (MWH)	2,065,440	10,783,259	10,783,259
18.	Gross Elec Ener (MWH)	692,699	1,451,965	1,451,965
19.	Net Elec Ener (MWH)	663,674	1,368,536	1,368,536
20.	Unit Service Factor	95.2	59.3	59.3
21.	Unit Avail Factor	95.2	59.3	59.3
22.	Unit Cap Factor (MDC Net)	85.6	43.7	43.7
23.	Unit Cap Factor (DER Net)	85.6	43.7	43.7
24.	Unit Forced Outage Rate	4.8	34.8	34.8
25.	Forced Outage Hours	34.3	918.8	918.8
26.	Shutdowns Sched Over Next NONE	6 Montins (Type,Date,D	uration):

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



APRIL 1984

Report	Period Al	PR 19	84		UN	ІТ ЅНИ	тром	NS / R	EDUCTIONS * LASALLE 1 *
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	04/14/84	F	34.3	G	2				THE OPERATOR CHANGED THE SETPOINT OF THE REACTOR WATER LEVEL CONTROL BELOW THE OPERATIONAL LEVEL ALLOWED BY EXISTING PROCEDURES FOR PARALLELING AN ADDITIONAL FEEDWATER PUNP. THIS RESULTED IN A LOW REACTOR WATER LEVEL SCRAM. PROCEDURES WERE CHANGED TO MORE CLEARLY DEFINE THE O OPERATIONAL SETPOINTS.

*********** * SUMMARY * *********

LASALLE 1 OPERATED WITH 1 OUTAGE DURING APRIL.

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

**************************************	ILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEILLINOIS	UTILITY LICENSEECOMMONWEALTH EDISON
COUNTYLA SALLE	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR11 MI SE OF	CHICAGO, ILLINOIS 60690 Contractor
OTTAWA, ILL	ARCHITECT/ENGINEERSARGENT & LUNDY
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYJUNE 21, 1982	CONSTRUCTORCOMMONWEALTH EDISON
DATE ELEC ENER 1ST GENERSEPTEMBER 4, 1982	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE JANUARY 1, 1984	REGULATORY INFORMATION
CONDENSER COOLING METHODPOND	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERRESERVOIR	IE RESIDENT INSPECTORW. GULDEMOND
ELECTRIC RELIABILITY COUNCILMID-AMERICA	LICENSING PROJ MANAGERA. BOURNIA DOCKET NUMBER50-373
INTERIOUE NETWORK	LICENSE & DATE ISSUANCENPF-11, AUGUST 13, 1982
	PUBLIC DOCUMENT ROOMILLINOIS VALLEY COMMUNITY COLLEGE RURAL ROUTE NO. 1
INSPEC	CGLESBY, ILLINOIS 16348

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 13 THROUGH MARCH 23, (84-05): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS FINDINGS, OPERATIONAL SAFETY, OPERATING EVENTS, IE BULLETINS; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION; IE INFORMATION NOTICES, PERIODIC AND SPECIAL REPORTS, STARTUP TEST WITNESSING, AND A PRE-LICENSING MEETING. THE INSPECTION INVOLVED A TOTAL OF 447 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 72 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW SURVEILLANCE PROCEDURES RESULTING IN A VIOLATION OF A LIMITING CONDITION FOR OPERATION AND FAILURE TO FOLLOW EQUIPMENT CONTROL PROCEDURES).

INSPECTION ON MARCH 19-23, (84-09): INCLUDED A REVIEW OF SECURITY ORGANIZATION - MANAGEMENT; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; ACCESS CONTROLS (PERSONNEL/PACKAGES/VECHICLES); ALARM STATIONS; COMMUNICATIONS; GENERAL REQUIREMENTS TRAINING AND QUALIFICATION PLAN; ADDITIONAL REQUIREMENTS - POWER REACTORS; LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 81 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 9 OF THE INSPECTION HOURS WERE ACCOMPLISHED DURING THE OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. ONE PREVIOUSLY IDENTIFIED ITEM OF NONCOMPLIANCE REMAINS OPEN PENDING THE LICENSEE'S COMPLETION OF LONG TERM CORRECTIVE ACTION. SIGNIFICANT IMPROVEMENTS IN THE AREAS OF MANAGEMENT AND MAINTENANCE WERE NOTED.

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

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iii	*	*	*	*	×	×	*	×	×	×	×	×	×	×	×	×	×	*	×	×	×	¥	×	×	×	×	×	×	×	×	×	×	×	¥	¥

ENFORCEMENT_SUMMARY

HONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 26 - APRIL 14, 1984

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-16	03/07/84	04/05/84	RHR B&C INJECTION VALVES REACTOR PRESSURE INTERLOCK.
84-18	03/10/84	04/09/84	BUTT SPLICES IN CONTROL CABLES.
84-19	03/20/84	04/18/84	RWCU DIFF. FLOW ISOLATION CALIBRATION.
84-20	03/27/84	04/23/84	REACTOR BUILDING VENT ISOLATION.
84-21	03/27/84	04/26/84	CONTROL RM HVAC SYS. AMMONIA DETECTOR INOPERABLE.

1	. Docket: <u>50-374</u>	OPERAT	TING S	TATUS
2	. Reporting Period: 04/01/	84 Outage	e + On-line	Hrs: 719.1
3	. Utility Contact:ARAS_R.	LINTAKAS		
4	Licensed Thermal Power (M	Wt):		3323
5	Nameplate Rating (Gross M	We):	1078	
6.	Design Electrical Rating	(Net MWe):		1078
7	. Maximum Dependable Capaci	ty (Gross M	1We):	1078
8	. Maximum Dependable Capaci	ty (Net MWe	:):	1036
9.	If Changes Occur Above Si	nce Last Re	port, Give	Reasons:
10.	Power Level To Which Rest	ricted. If	Any (Net Mu	e);
11.	Reasons for Restrictions.	If Any:	any thet ha	e7.
	NONE			
		MONTH	VEAD	CHMIN ATTWE
12.	Report Period Hrs	245.9	245.9	245.9
13.	Hours Reactor Critical	135.4	135.4	135.4
14.	Rx Reserve Shtdwn Hrs	110.5	110.5	110.5
15.	Hrs Generator On-Line	107.4	107.4	107.4
16.	Unit Reserve Shtdwn Hrs			. 0
17.	Gross Therm Ener (MWH)	143,472	143,472	143,472
18.	Gross Elec Ener (MWH)	16,683	16,683	16,683
19.	Net Elec Ener (MWH)	14,216	14,216	14,216
20.	Unit Service Factor			
21.	Unit Avail Factor		NOT IN	
22.	Unit Cap Factor (MDC Net)		COMMERCIAL	
23.	Unit Cap Factor (DER Net)		OPERATION	
24.	Unit Forced Outage Rate			
25.	Forced Outage Hours	110.7	110.7	110.7
26.	Shutdowns Sched Over Next	6 Months (1	lype, Date, Du	ration):

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



APRIL 1984

Report	Period Al	PR 19	84		UN	IT	SHU	тром	NS / R	E D U C T I O N S *********************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/20/84	F	2.5	А	1					INSTRUMENTATION REPAIRED.
4	04/20/84	S	20.3	В	1					VERIFICATION OF GENERATOR LOCKOUT.
5	04/21/84	F	17.1	Α	1					HIGH VIBRATION ON BEARING #5.
6	04/22/84	s	0.8	в	1					OVERSPEED TESTING.
7	04/25/84	F	91.1	Α	1					DEFECTIVE GENERATOR THRUST BEARING THERMOCOUPLE.
8	04/29/84	s	6.7	Α	1					LEAK IN EHC #1 CONTROL VALVE FIXED.

* SUMMARY *

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

DATE COMMERCIAL OPERATE....*********************

INTERPOOL NETWORK

FACILITY DATA

INSPECTION STATUS

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY

LICENSEE.....COMMONWEALTH EDISON

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 W. GULDEMOND

LICENSE & DATE ISSUANCE.... NPF-18, MARCH 23, 1984

PUBLIC DOCUMENT ROOM...... ILLINOIS VALLEY COMMUNITY COLLEGE RURAL ROUTE NO. 1

OGLESBY, ILLINOIS 16348

INSPECTION SUMMARY

ELECTRIC RELIABILITY

INFO. NOT SUPPLIED BY REGION

CONDENSER COOLING METHOD ... POND

CONDENSER COOLING WATER RESERVOIR

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

***** * LASALLE 2 *

PLANT ST	ATUS:							
INFO.	NOT SUPPLIE	D BY REGION						
LAST IE	SITE INSPEC	TION DATE:	INFO. NOT SUPPL	ED BY REGION				
INSPECTI	ON REPORT N	IO: INFO. NO	T SUPPLIED BY R	GION				
REPO	RTS FR	OM LIC	ENSEE					
=======			**************		 	 	***********	
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT					
INFO.	NOT SUPPLIE	ED BT REGION			 	 		

1,	Docket: 50-309 0	PERA	TINGS	TATUS
2.	Reporting Period: 04/01/8	14 Outag	e + On-line	Hrs: 719.0
3.	Utility Contact: BIEMI	LLER (617) 827-8100	a series see.
4.	Licensed Thermal Power (MM	1f):		2630
5.	Nameplate Rating (Gross Mk	le):		864
6.	Design Electrical Rating (Net MWe):		825
7.	Maximum Dependable Capacit	y (Gross I	MWe):	850
8.	Maximum Dependable Capacit	y (Net MW	e):	810
9.	If Changes Occur Above Sin	ce Last Re	eport, Give	Reasons:
	NONE			
10.	Power Level To Which Restr	icted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
		MONTH	YEAR	CUMULATIVE
12.	Report Period Hrs	719.0	2,903.0	100,595.6
13.	Hours Reactor Critical	. 0	2,125.7	80,737.2
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	. 0
15.	Hrs Generator On-Line	. 0	2,107.7	
16.	Unit Reserve Shtdwn Hrs	. 0		, 0
17.	Gross Therm Ener (MWH)	0	5,166,538	174,278,326
18.	Gross Elec Ener (MWH)	0	1,685,100	57,038,250
19.	Net Elec Ener (MWH)	0	1,626,808	54,328,510
20.	Unit Service Factor	. 0	72.6	77.7
21.	Unit Avail Factor	. 0	72.6	77.7
22.	Unit Cap Factor (MDC Net)	. 0	69.2	. 68.8
23.	Unit Cap Factor (DER Net)	. 0	67.9	66.9
24.	Unit Forced Outage Rate	. 0	2.0	7.5
25.	Force ¹ Outage Hours	. 0	42.0	5,455.4
26.	Shutdowns Sched Over Next 6	Months (Type,Date,D	Juration):
1	NONE			



* Item calculated with a Weighted Average

Report	Period Af	PR 19	84		UN	IT	SНU	TD	0 1	N N	s	/	R	EI) U	с	т	I		4 5	s *	****	****	**** MA ****	INE XXXX	YAN	KEE XXX	*****	****	***	
No.	Date	Type	Hours	Reason	Method	LER	Number	Sy	ster	<u>n</u> <u>c</u>	omp	onen	<u>t</u> :			(Cau	50	8	C	Correc	tive	Act	ion	to	Prev	ent	Recur	renc	9	-
2-84-7	03/30/84	S	719.0	с	4				RC		FUE	LXX		SCH	IED	ULI	ED	RE	FU	ELI	ING S	HUTDO	ИМС	FOR	COR	E 7/	8 C	ONTINU	JES.		

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

F A C	ILITY DATA Report Period APR 1984								
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION								
LOCATION STATEMAINE	UTILITY LICENSEEMAINE YANKEE ATOMIC POWER								
COUNTYLINCOLN	CORPORATE ADDRESS								
DIST AND DIRECTION FROM	AUGUSTA, MAINE 04366								
NEAREST POPULATION CTR10 MI N OF BATH, ME	CONTRACTOR ARCHITECT/ENGINEERSTONE & WEBSTER								
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERCOMBUSTION ENGINESRING								
DATE INITIAL CRITICALITY OCTOBER 23, 1972	CONSTRUCTORSTONE & WEBSTER								
DATE ELEC ENER 1ST GENERNOVEMBER 8, 1972	TURBINE SUPPLIERWESTINGHOUSE								
DATE COMMERCIAL OPERATE DECEMBER 28, 1972	REGULATORY INFORMATION								
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEI								
CONDENSER COOLING WATERBACK RIVER	IE RESIDENT INSPECTORC. HOLDEN								
ELECTRIC RELIABILITY COUNCILNORTHEAST POWER	LICENSING PROJ MANAGERK. HEITNER DOCKET NUMBER								
COORDINATING COORCIL	LICENSE & DATE ISSUANCE DPR-36, JUNE 29, 1973								
	PUBLIC DOCUMENT ROOMWISCASSET PUBLIC LIBRARY HIGH STREET								
INSPEC	TTON STATUS WISCASSET, MAINE 04578								

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERIA V AND LICENSEE PROCEDURES, THE PLANT SHIFT SUPERINTENDENT DID NOT SECOND CHECK TAGS AS (8320 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

******* MAINE YANKEE *** ***********************

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.

	. Docket: <u>50-369</u>	OPERA	TINGS	TATUS				
2.	Reporting Period: 04/01/	84 Outag	e + On-line	Hrs: 719.0				
3.	. Utility Contact: A. F	EAVIS (70	4) 373-8552					
4.	Licensed Thermal Power (M	3411						
5.	Nameplate Rating (Gross M							
6.	Design Electrical Rating	1180						
7.	Maximum Dependable Capaci	MWe):	1225					
8.	Maximum Dependable Capaci	ty (Net MW	e):	1180				
9.	If Changes Occur Above Si NONE	nce Last Ro	eport, Give	Reasons:				
10.	Power Level To Which Rest	ricted, If	Any (Net M	le):				
11.	Reasons for Restrictions,	If Any:						
	NONE							
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 21,167.0				
13.	Hours Reactor Critical	. 4	1,295.5	13,823.8				
14.	Rx Reserve Shtdwn Hrs							
15.	Hrs Generator On-Line	. 0	1,289.4	13,238.5				
16.	Unit Reserve Shtdwn Hrs		. 0	. 0				
17.	Gross Therm Ener (MWH)	0	4,112,690	31,549,759				
18.	Gross Elec Ener (MWH)	0	1,442,257	10,959,381				
19.	Net Elec Ener (MWH)	-10,972	1,370,774	10,327,029				
20.	Unit Service Factor	. 0	44.4	62.5				
1.	Unit Avail Factor		44.4	62.5				
2.	Unit Cap Factor (MDC Net)	0	40.0	41.3				
3.	Unit Cap Factor (DER Net)	. 0	40.0	41.3				
4.	Unit Forced Outage Rate	100.0	6.4	19.3				
5.	Forced Outage Hours	66.7	87.5	3,173.0				
		the second second second						



Report	Period AF	PR 19	84		UN	ΙT	SHU	rpow	NS	R	ED	υc	: т :	0	N :	5 * MCGUIRE 1 *
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compos	nent		_	Caus	se a	1 C	Corrective Action to Prevent Recurrence
3	02/24/84	5	652.3	с	4			RC	FUEL	xx	END	OF	CYCI	E	1 R	REFUELING OUTAGE
3A	04/28/84	F	66.7	A	9			SF	ACCUI	MU	UPPE	RH	IEAD	IN.	JEC	TION DISK RUPTURED.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Rc ueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Raport (LER) File (NUREG-016)

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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....DUKE POWER

CORPORATE ADDRESS......422 SOUTH CHURCH STREET CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR ARCHITECT/ENGINEER......DUKE POWER

Internet correction to the rower

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR DUKE POWER

TURBINE SUPPLIER......WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSE & DATE ISSUANCE....NPF-9, JULY 8, 1981

PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS ATKINS LIBRARY UNIVERSITY OF NORTH CAROLINA - CHARLOTTE UNCC STATION, CHARLOTTE, NC 28223

INSPECTION SUMMARY

INSPECTION STATUS

+ INSPECTION MARCH 26-29 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION: REVIEW OF PROGRAM; REVIEW OF PROCEDURES; OBSERVATION OF WORK AND WORK ACTIVITIES, AND IE BULLETIN 82-02 LICENSEE ACTION. OF THE FOUR AREAS INSPECTED, NO VIGLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 25-29 (84-08): THIS INSPECTION INVOLVED 19 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL (PERS "NEL, PACKAGES AND VEHICLES); DETECTION AIDS (PROTECTED AND VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ON PREVICIONS ENFORCEMENT MATTERS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO PROVIDE COMPLETE INTRUSION DETECTION CAPABILITY AT THE PROTECTED AREA BOUNDARY.

INSPECTION APRIL 1-6 (84-09): THIS UNANNOUNCED INSPECTION INVOLVED 44 INSPECTOR HOURS ON SITE IN THE AREAS OF PREPARATION FOR REFUELING, UNIT 1 (60705) REFUELING ACTIVITIES, UNIT 1 (60710) SPENT FUEL POOL ACTIVITIES UNIT 1 (86700) AND PLANT TOUR, UNIT 1 (71302). OF THE 4 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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¥												M	C	G	U	I	R	E		1															×
×	×	×	×	×	×	×	×	×	×	×	×	×	*	×	×	¥	×	×	×	×	×	×	×	×	×	*	×	×	×	×	*	×	×	×	×

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE COMPLETE INTRUSION DETECTION CAPABILITY AT PA BOUNDARY. (8408 4)

OTHER ITEMS

100

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN APRIL 28 FOR REPAIRS.

LAST IE SITE INSPECTION DATE: APRIL 1-6, 1984 +

INSPECTION REPORT NO: 50-369/84-09 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
840-003/	02/20/84	03/21/84	CENTRIFUGAL CHARGING PUMP 1A BREAKER WAS NOT IN THE FULLY 'CONNECT' POSITION, DUE TO PERSONNEL ERROR.
84-004/	11/17/83	03/26/84	SOURCE LEAK TEST WAS NOT PERFORMED, DUE TO PERSONNEL ERROR.
84-008/	01/12/84	04/06/84	PEAK TEMPERATURE RESPONSE OF CONTAINMENT LOWER COMPARTMENT MAY EXCEED PREVIOUSLY CALCULATED TEMPERATURE PROFILE.

1.	Docket: 50-370	OPERA	TINGS	TATUS		
2.	Reporting Period: _04/01/	84 Outage	e + On-line	Hrs: 719.0		
• 3 .	Utility Contact: A. R	EAVIS EXT	(704) 373-7	567		
4.	Licensed Thermal Power (M		3411			
5.	Nameplate Rating (Gross M	We):	1450 X	.9 = 1305		
6.	Design Electrical Rating	(Net MWe):	_	1180		
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1225		
8.	Maximum Dependable Capaci	2):	1180			
9.	If Changes Occur Above Si	nce Last Re	eport, Give	Reasons:		
10.	Power Level To Which Rest Reasons for Restrictions, NONE	ricted, If If Any:	Any (Net Mb	le):		
12.	Report Period Hrs	MON [H 7 19.0	YEAR 1,463.0	CUMULATIVE		
13.	Hours Reactor Critical	694.5	1,401.5	1,401.5		
14.	Rx Reserve Shtdwn Hrs			. 0		
15.	Hrs Generator On-Line	691.0	1,392.8	1,392.8		
16.	Unit Reserve Shtdwn Hrs	. 0				
17.	Gross Therm Ener (MWH)	2,301,882	4,608,676	4,608,676		
18.	Gross Elec Ener (MWH)	822,935	1,651,798	1,651,798		
19.	Net Elec Ener (MWH)	793,970	1,592,693	1,592,693		
20.	Unit Service Factor	96.1	95.2	95.2		
21.	Unit Avail Factor	96.1	95.2	95.2		
22.	Unit Cap Factor (MDC Net)	93.6	92.3	92.3		
23.	Unit Cap Factor (DER Net)	93.6	92.3	92.3		
24.	Unit Forced Outage Rate	3.9	4.8	4.8		
25.	Forced Outage Hours	28.0	70.2	70.2		
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,D	uration):		

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



APRIL 1984

PAGE 2-160

27. If Currently Shutdown Estimated Startup Date: N/A
| Report | Period Al | PR 19 | 84 | | UN | IT SHU | TDOW | NS / R | E D U C T I O N S |
|--------|-----------|-------|-------|--------|--------|------------|--------|-----------|---|
| No. | Date | Type | Hours | Reason | Method | LER Number | System | Component | Cause & Corrective Action to Prevent Recurrence . |
| 10-P | 04/13/84 | S | 0.0 | В | 5 | | IB | INSTRU | INCORE EXCORE CALIBRATIONS. |
| 11-P | 04/15/84 | 5 | 0.0 | в | 5 | | НВ | VALVEX | MONTHLY TURBINE VALVE TESTING. |
| 12-P | 04/16/84 | s | 0.0 | В | 5 | | HB | VALVEX | REHEAT STOP VALVE TESTING. |
| 3 | 04/19/84 | F | 15.6 | В | 3 | | ED | ELECON | TRANSIENT CAUSED 5/G LOW-LOW LEVEL DURING 6.9 KV SLOW
TRANSFER TEST. |
| 3A | 04/20/84 | F | 0.5 | G | 9 | | ZZ | CKTBRK | EXCITER FIELD BREAKERS OPEN DUE TO EXCESSIVE VOLTAGE
DIFFERENCE BETWEEN STATION & SYSTEM DURING STARTUP. |
| 13-P | 04/21/84 | s | 0.0 | В | 5 | | IA | INSTRU | TESTING OVERTEMP. DELTAT & OVERPRESSURE DELTA T IN
PROTECTION CABINETS. |
| 14-P | 04/22/84 | s | 0.0 | F | 5 | | ZZ | ZZZZZZ | DISPATCH REDUCTION TO MEET MINIMUM LOAD. |
| 4 | 04/23/84 | F | 11.9 | A | 3 | | IA | INSTRU | RX PROTECTION CAB.NET POWER SUPPLY FAILURE CAUSED S/G
HIGH-HIGH LEVEL. |
| 15-P | 04/23/84 | F | 0.0 | A | 5 | | нн | VALVEX | REPAIR FEEDWATER ISOLATION VALVE. |
| 16-P | 04/27/84 | F | 0.0 | A | 5 | | IA | INSTRU | I & E TESTING ON NC LOOP HOT LEG DUE TO A RESISTANCE
THERMAL DEVICE. |
| 17-P | 04/29/84 | 5 | 0.0 | F | 5 | | ZZ | ZZZZZZ | DISPATCH REDUCTION TO MEET SYSTEM MINIMUM. |

********** * SUMMARY * ******** MCGUIRE 2 OPERATED ROUTINELY DURING APRIL.

Tuno Posson

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

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* MCGUIRE 2 *	
*****************	F
FACILITY DESCRIPTION	
LOCATION	
STATENORTH CAROLINA	
COUNTYMECKLENBURG	
DIST AND DIRECTION FROM	
NEAREST POPULATION CTR17 MI N OF CHARLOTTE, NC	
TYPE OF REACTOR PWR	
DATE INITIAL CRITICALITYMAY 8, 1983	
DATE ELEC ENER 1ST GENERMAY 23, 1983	
DATE COMMERCIAL OPERATE MARCH 1, 1984	
CONDENSER COOLING METHOD ONCE THRU	
CONDENSER COOLING WATERLAKE NORMAN	
ELECTRIC RELIABILITY	RIC
RELIABILITY COUN	ICIL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....DUKE POWER

CORPORATE ADDRESS......POWER BLDG., BOX 2178 CHARLOTTE, NORTH CAROLINA 28201

CONTRACTOR ARCHITECT/ENGINEER......DUKE POWER

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NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR W. ORDERS

LICENSE & DATE ISSUANCE....NPF-17, MAY 27, 1983

PUBLIC DOCUMENT ROOM

UNIVERSITY OF NORTH CAROLINA - CHARLOTTE UNCC STATION, CHARLOTTE, NC 28223

INSPECTION SUMMARY

INSPECTION STATUS

+ INSPECTION MARCH 26-29 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION: REVIEW OF PROGRAM; REVIEW OF PROCEDURES; OBSERVATION OF WORK AND WORK ACTIVITIES, AND IE BULLETIN 82-02 LICENSEE ACTION. OF THE FOUR AREAS INSPECTED, NO VIOLA.IONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 25-29 (84-08): THIS INSPECTION INVOLVED 20 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES AND VEHICLES); DETECTION AIDS (PROTECTED AND VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO PROVIDE COMPLETE INTRUSION DETECTION CAPABILITY AT THE PROTECTED AREA BOUNDARY.

ENFORCEMENT SUMMARY

NONE

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

****** * MCGUIRE 2 ******

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OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

MAX POWER LIMIT 50% PENDING STEAM GENERATOR MODIFICATION. DS-416 REACTOR TRIP BREAKER UNDER VOLTAGE COIL PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN TO COMPLETE WESTINGHOUSE "D-3" STEAM GENERATOR MODIFICATIONS. ALSO, FULL POWER LICENSE ISSUED ON MAY 27, 1983.

LAST IE SITE INSPECTION DATE: MARCH 25-29, 1984 +

INSPECTION REPORT NO: 50-370/84-08 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-008/	02/23/84	03/26/84	A LOSS OF LUBRICATION TO THE SPEED CHANGER LEADING TO SERIOUS DAMAGE TO BEARINGS, DUE TO ADMINISTRATIVE DEFICIENCIES AND PROCEDURE DEFICIENCIES.

	Docket: 50-245	PERAT	INGS	TATUS
2.	Reporting Period: 04/01/8	0utage	+ On-line	Hrs: 719.0
3.	Utility Contact:GEORGE H	ARRAN (203	447-1791	X4194
4.	Licensed Thermal Power (MM	(t):		2011
5.	Nameplate Rating (Gross MM	le):	735 X	0.9 = 662
6.	Design Electrical Rating (Net MWe):		660
7.	Maximum Dependable Capacit	ty (Gross M	1We):	684
8.	Maximum Dependable Capacit	ty (Net MWe	::	654
9.	If Changes Occur Above Sir	nce Last Re	port, Give	Reasons:
	NONE			
10.	Power Level To Which Restr	icted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:	1.	
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 117,647.0
13.	Hours Reactor Critical	321.0	2,505.0	89,269.5
14.	Rx Reserve Shtdwn Hrs			2,775.8
15.	Hrs Generator On-Line		2,498.2	86,515.4
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	26.5
17.	Gross Therm Ener (MWH)	595,992	4,899,866	157,948,734
	Gross Elec Ener (MWH)	202,600	1,676,200	53,039,396
18.				
18.	Net Elec Ener (MWH)	191,481	1,598,774	50,580,031
18.	Net Elec Ener (MWH) Unit Service Factor	43.7	<u>1,598,774</u> <u>86.1</u>	<u>50,580,031</u> <u>73.5</u>
18. 19. 20. 21.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor	<u> 191,481</u> <u> 43.7</u> <u> 43.7</u>	<u>1,598,774</u> <u>86.1</u> <u>86.1</u>	<u>50,580,031</u> <u>73.5</u> 73.6
18. 19. 20. 21. 22.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net)	<u> 191,481</u> <u> 43.7</u> <u> 43.7</u> <u> 43.7</u> <u> 40.7</u>	1,598,774 86.1 86.1 84.2	<u>50,580,031</u> <u>73.5</u> <u>73.6</u> <u>65.7</u>
18. 19. 20. 21. 22. 23.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net)	<u> 191,481</u> <u> 43.7</u> <u> 43.7</u> <u> 40.7</u> <u> 40.4</u>	1,598,774 86.1 86.1 84.2 83.4	<u>50,580,031</u> 73.5 73.6 <u>65.7</u> 65.1
18. 19. 20. 21. 22. 23. 24.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate	<u> 191,481</u> <u> 43.7</u> <u> 43.7</u> <u> 40.7</u> <u> 40.4</u> <u> 0</u>	1,598,774 	<u>50,580,031</u> <u>73.5</u> <u>73.6</u> <u>65.7</u> <u>65.1</u> <u>13.7</u>



APRIL 1984

Report	Period Al	PR 19	84		UN	IT	SHU	NOGI	NS / R	RE	EDUCTI	0 N	5 *	M	ILLSTONE	***********
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Ŧ _	Cause	8	Corrective	Action	to Prever	t Recurrence
2	04/14/84	s	404.8	с	1			RC	FUELXX	R	REFUELING OU	TAG	E SCHEDULEI	FROM	04/14/84 1	0 07/30/84.

*********** * SUMMARY *

** MILLSTONE 1 SHUTDOWN ON APRIL 14TH FOR REFUELING. *

Type	Reason		Method	System & Component							
F-Forced S-Sched	A-Equip Failure B-Maint or Test C-Refueling D-Regulatory Rest E-Operator Traini	F-Admin G-Oper Error H-Other riction ng	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Prepar cion of Data Entry Sheet Licensee Event Report (LFR) File (NURG-0161							

REFERENCE MILLSTONE 1	FACILITY
FACILITY DESCRIPTION	UTIL
LOCATION STATECONNECTICUT	UTI
COUNTYNEW LONDON	
DIST AND DIRECTION FROM NEAREST POPULATION CTR5 MI SW OF NEW LONDON, CONN	cor
TYPE OF REACTORBWR	,
DATE INITIAL CRITICALITY OCTOBER 26, 1970	(
DATE ELEC ENER 1ST GENER NOVEMBER 29, 1970	1
DATE COMMERCIAL OPERATEMARCH 1, 1971	REGUL
CONDENSER COOLING METHODONCE THRU	IE
CONDENSER COOLING WATERLONG ISLAND SOUND	IE
ELECTRIC RELIABILITY COUNCILNORTHEAST POWER	
	ANALYSY ANALYS

DATA

Report Period APR 1984

UTII	ITY 2	CONTRA	CTOR	INFORMAT	ION
M					

LITY

HARTFORD, CONNECTICUT 06101

NTRACTOR ARCHITECT/ENGINEER......EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR..... EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

LATORY INFORMATION

REGION RESPONSIBLE.....I

RESIDENT INSPECTOR.....J. SHEDLOSKY

CENSING PROJ MANAGER.....J. SHEA DOCKET NUMBER 50-245

LICENSE & DATE ISSUANCE.... DPR-21, OCTOBER 26, 1970

PUBLIC DOCUMENT ROOM......WATERFORD PUBLIC LIBRARY 45 ROPE FERRY ROAD ROUTE 156 WATERFORD, CONNECTICUT 06385 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 APR 1984

INSPECTION STATUS - (CONTINUED)

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×	×	×	×	×	¥	×	×	×	×	×	×	×	×	×	×	¥	×	×	×	×	×	×	×	×	×	×	×	×	¥	×	×	¥	×	×	×

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 SUBJECT

EVENT REPORT

NO INPUT PROVIDED.

1.	Docket: 50-336	OPERAI	TING S	TATUS
2.	Reporting Period: 04/01/	84 Outage	e + On-line	Hrs: 719.0
3.	Utility Contact: GIBS	ON (203) 44	7-1791 X 4	419
4.	Licensed Thermal Power (M	Wf):		2700
5.	Nameplate Rating (Gross M	We):	1011 X	0.9 = 910
6.	Design Electrical Rating	(Net MWe):		870
7.	Maximum Dependable Capaci	ty (Gross M	1We):	895
ő.	Maximum Dependable Capaci	ty (Net MWe	e):	860
9.	If Changes Occur Above Si NONE	nce Last Re	eport, Give	Reasons:
10	Power Level To Which Rest	ricted. If	Any (Net M	(e):
11.	Reasons for Restrictions.	If Any:		
_	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 73,175.0
13.	Hours Reactor Critical	719.0	2,779.9	51,144.8
14.	Rx Reserve Shtdwn Hrs			2,166.9
15.	Hrs Generator On-Line	719.0	2,477.1	48,659.0
16.	Unit Reserve Shtdwn Hrs		. 0	468.2
17.	Gross Therm Ener (MWH)	1,935,357	6,224,228	122,540,604
18.	Gross Elec Ener (MWH)	633,000	2,010,601	39,807,973
19.	Net Elec Ener (MWH)	610,772	1,923,752	38,140,500
20.	Unit Service Factor	100.0	85.3	66.5
21.	Unit Avail Factor	100.0	85.3	67.1
22.	Unit Cap Factor (MDC Net)	98.8	77.1	<u>62.0</u> *
23.	Unit Cap Factor (DER Net)	97.6	76.2	<u>61.1</u> *
24.	Unit Forced Outage Rate	0	6.5	18.5
25.	Forced Outage Hours		173.4	9,796.2
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,I	Duration):
27.	If Currently Shutdown Est	imated Star	tup Date:	N/A



* Item calculated with a Weighted Average PAGE 2-168

Report	Period Al	PR 19	84		UN	ΙŢ	SHU	TDOW	IN S	. / 1	RE	DU	с	ΤI	0	N :	5	****) * *	******	MILLS	STONE 2	******	*******	*
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Con	ponen	ŧ _	_	C	aus	ie i	8 C.	orre	ctive	Actio	n to	Preven	t Recu	rrence	
3	04/15/84	F	0.0	A	5			RB	IN	ISTRU	WP	HILE	AT	10 5 R	EDI	POL	NER, D TO	CEA <702	#57 DR POWER	AND	CEA WA	INTO S RECO	CORE. VERED.	

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

******* * MILLSTONE 2 ******** FACILITY DATA UTILITY & CONTRACTOR INFORMATION FACILITY DESCRIPTION LOCATION UTILITY STATE.....CONNECTICUT COUNTY.....NEW LONDON DIST AND DIRECTION FROM NEAREST POPULATION CTR...5 MI SW OF CONTRACTOR NEW LONDON, CONN TYPE OF REACTOR PWR DATE INITIAL CRITICALITY... OCTOBER 17, 1975 DATE ELEC ENER 1ST GENER... NOVEMBER 9, 1975 REGULATORY INFORMATION DATE COMMERCIAL OPERATE.... DECEMBER 26, 1975 CONDENSER COOLING METHOD ... ONCE THRU CONDENSER COOLING WATER....LONG ISLAND SOUND ELECTRIC RELIABILITY COUNCIL NORTHEAST POWER COORDINATING COUNCIL

INSPECTION STATUS

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

45 RUPE FERRY ROAD ROUTE 156 WATERFORD, CONNECTICUT 06385

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

CTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

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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	DATE OF	CUID LECT		
HUNDER	DATE OF	DAIL UF	SUBJECT		
	EVENT	REPORT			

NO INPUT PROVIDED.

1.	Docket: <u>50-263</u> 0	PERAT	ING 5	TATUS
2.	Reporting Period: 04/01/8	4_ Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: <u>A. L. My</u>	rabo (612)	295-5151	
4.	Licensed Thermal Power (MW	t):	· · · · · · · · · · · · · · · · · · ·	1670
5.	Nameplate Rating (Gross MW	e):	632 X	0.9 = 569
6.	Design Electrical Rating (Net MWe):		545
7.1	Maximum Dependable Capacit	y (Gross Mb	le):	553
8.	Maximum Dependable Capacit	y (Net MWe)		525
9.	If Changes Occur Above Sin	ce Last Rep	oort, Give	Reasons:
1	NONE			
10.	Power Level To Which Restr	icted, If A	iny (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
	Description Harris	MONTH	YEAR	CUMULATIVE
12.	Report Feriod Hrs	/19.0	2,703.0 810 E	
13. 1	nours Reactor Critical		0	07,713.4
14.	Kx Keserve Sntown Hrs			88 0.03 0
12. 1	unit Pressus Chidum Has		0	00,003.0
10.	Const Reserve Shtown Hrs		807 808	161 233 816
	Gross merm cher (num)	0		14192339014
	Francisco Francisco (Milling)	0	206 117	45 185 053
18.	Gross Elec Ener (MWH)	0	296,117	45, 185, 053
19.1	Net Elec Ener (MWH)	-1,162	296,117	<u>45, 185, 053</u> <u>43, 188, 975</u>
19.1	Cross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor	-1,162	<u>296,117</u> <u>276,669</u> <u>27.9</u>	<u>45, 185, 053</u> <u>43, 188, 975</u> <u>78.2</u>
19. 1 20. 1 21. 1	Cross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor	0 -1,162 .0 .0	<u>296,117</u> <u>276,669</u> <u>27.9</u> <u>27.9</u>	<u>45,185,053</u> <u>43,188,975</u> <u>78.2</u> <u>78.2</u> <u>78.2</u>
19. 1 20. 1 21. 1 22. 1	Cross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net)	0 -1,162 .0 .0	296,117 276,669 27.9 27.9 18.2	<u>45,185,053</u> <u>43,188,975</u> <u>78.2</u> <u>78.2</u> <u>73.1</u>
18. 19. 20. 21. 22. 1 23. 1	Cross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net)	0 -1,162 .0 .0 .0	296,117 276,669 27.9 18.2 17.5	<u>45,185,053</u> <u>43,188,975</u> <u>78.2</u> <u>78.2</u> <u>73.1</u> <u>70.4</u>
19. 1 20. 1 21. 1 22. 1 23. 1 24. 1	Cross Elec Ener (MWH) Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate	0 -1,162 .0 .0 .0 .0	<u>296,117</u> <u>276,669</u> <u>27.9</u> <u>27.9</u> <u>18.2</u> <u>17.5</u> <u>.0</u>	45,185,053 43,188,975 78.2 78.2 78.2 73.1 70.4 5.3

27. If Currently Shutdown Estimated Startup Date: ________

500	DES	ION ELE	C. RATING	- 545	(100%)
-	004	. UCrci			
1000 -					
	NO NET	POWER	OUTPUT	THIS	MONTH
500 -					
-					
1					

APRIL 1984

PAGE 2-172

PERCENT MDC

Report	Period Af	PR 19	84		UN	ΙT	SHU	TDO) W	N	s /	R	ED	U	с	TI	0	N	S ************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	Syst	em	Cor	mponer	nt			C	aus	e	8 0	Corrective Action to Prevent Recurrence
2	02/03/84	S	719.0	С	4			RC	2	FI	UELXX		CON	TIN	IUA	TIO	IN I	OF	1984 REFUELING OUTAGE.

*

********** * SUMMARY * ******** MONTICELLO REMAINS SHUTDOWN IN A REFUELING OUTAGE.

C. Way

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

MONTICELLO *	
**************************************	ILITY DATA Report Period APR 198
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEMINNESOTA	UTILITY LICENSEENORTHERN STATES POWER
COUNTYWRIGHT	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CIR30 MI NW OF MINNEAPOLIS, MINN	CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTOR BWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYDECEMBER 10, 1970	CONSTRUCTOR BECHTEL
DATE ELEC ENER 1ST GENERMARCH 5, 1971	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEJUNE 30, 1971	REGULATORY INFORMATION
CONDENSER COOLING METHOD COOLING TOWER	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERMISSISSIPPI RIVER	IE RESIDENT INSPECTORC. BROWN
ELECTRIC RELIABILITY COUNCILMID-CONTINENT AREA	LICENSING PROJ MANAGERV. ROONEY DOCKET NUMBER
AGREEMENT	LICENSE & DATE ISSUANCEDPR-22, JANUARY 9, 1981
	PUBLIC DOCUMENT ROOM ENVIRONMENTAL CONSERVATION LIBRARY MINNEAPOLIS PUBLIC LIBRARY 300 NICOLLET MALL

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 2 - MARCH 1, (84-03): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF IE BULLETIN FOLLOWUP, IE CIRCULAR AND INFORMATION NOTICE FOLLOWUP, REFUELING ACTIVITIES, INDEPENDENT INSPECTION EFFORT ON LONG TERM SHUTDOWN, NUREG-0737 ITEMS FOLLOWUP, AND ONSITE COMMITTEE ACTIVITES. THE INSPECTION INVOLVED A TOTAL OF 113 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 27 THROUGH MARCH 2. 84-05 INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALLARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS OF DIRECT INSPECTION EFFORT BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; TWELVE HOURS OF INSPECTION ACTIVITY WERE ACCOMPLISHED DURING OFF SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

MINNEAPOLIS, MINNESOTA 55401

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

***** MONTICELLO * *******

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS SHUT DOWN FOR A 6 MONTH OUTAGE. THE MAJOR ACTIVITY DURING THE OUTAGE WILL BE REPLACEMENT OF THE RECIRCULATION SYSTEM PIPING.

LAST IE SITE INSPECTION DATE: FEBRUARY 27 - MARCH 9, 1984

INSPECTION REPORT NO: 84-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-12	03/13/84	04/12/84	E-MODE OF EFT ACTUATED BY HC1 MONITOR.
84-13	03/18/84	04/17/84	EMERG. D/G AUTO START DUE TO FAULT ON NO. 1AR XFMR CABLE PRIMARY.
84-14	03/22/84	04/23/84	SAFEGUARD INITIATION DUE TO SYSTEM DISTURBANCE.
84-15	03/25/84	04/24/84	SAFEGUARDS INITIATION DUE TO RPS MG FEEDER TRIP.

1. Docket: 50-220	OPERA	TINGS	TATUS
2. Reporting Period: 04/	01/84 Outage	e + On-line	Hrs: 719.0
3. Utility Contact: THOM	AS W. ROMAN	(315) 349-2	422
4. Licensed Thermal Power	(MWE):		1850
5. Nameplate Rating (Gros	s MWe):	755 X	0.85 = 642
6. Design Electrical Rati	ng (Net MWe):		620
7. Maximum Dependable Cap	acity (Gross M	1We):	630
8. Maximum Dependable Cap	acity (Net MWa	e):	610
9. If Changes Occur Above NONE	Since Last Re	eport, Give	Reasons:
10. Power Level To Which R	estricted, If	Any (Net M	We):
11. Reasons for Restrictio	ns, If Any:		
NONE			
12. Report Period Hrs	MONTH 719.0	YEAR 	CUMULATIVE
13. Hours Reactor Critical	. 0	1,828.5	
14. Rx Reserve Shtdwn Hrs	0	. 0	1,204.2
15. Hrs Generator On-Line	. 0	1,825.5	85,313.6
16. Unit Reserve Shtdwn Hr	s <u></u>	0	20.2
17. Gross Therm Ener (MWH)	0	3,062,522	141, 156, 879
18. Gross Elec Ener (MWH)		1,034,284	46,666,066
19. Net Elec Ener (MWH)	0	1,001,923	45,196,682
20. Unit Service Factor		62.9	67.1
21. Unit Avail Factor		62.9	67.2
22. Unit Cap Factor (MDC No	et)0	56.6	58.3
23. Unit Cap Factor (DER No	et)0	55.7	57.4
24. Unit Forced Outage Rate	.0		17.1
25. Forced Outage Hours	0	0	12,940.9
26. Shutdowns Sched Over Ne NONE	ext 6 Months (Type,Date,D)uration):
27. If Currently Shutdown 6	stimated Star	tun Data:	06/01/84



Report	Period AF	PR 19	84		UN	IT	SHU	TDOW	NS	/ R	ED	UC	ΤI	O N	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compo	onent		(Cause	8 (Corrective Action to Prevent Recurrence
84-6	93/17/84	S	719.0	с	4			RC	FUEL	LXX	UNIT	T SHI	UTDOW	N FO	OR BIENNIAL REFUELING & MAINTENANCE.

×	×	N	×	×	×	×	¥	×	×	×	

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

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

Report Period APR 1984

SYRACUSE, NEW YORK 13202 CONTRACTOR ARCHITECT/ENGINEER......NIAGARA MOHAWK POWER CORP. NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC TURBINE SUPPLIER GENERAL ELECTRIC REGULATORY INFORMATION IE REGION RESPONSIBLE.....I LICENSING PROJ MANAGER R. HERMANN DOCKET NUMBER 50-220 LICENSE & DATE ISSUANCE.... DPR-63, DECEMBER 26, 1974 PUBLIC DOCUMENT ROOM......STATE UNIVERSITY COLLEGE OF OSWEGO PENFIELD LIBRARY - DOCUMENTS OSWEGO, NY 13126 (315) 341-2323 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 APR 1984 INSPECTION STATUS - (CONTINUED)

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ŧ								N	I	N	Ε		M	I	٤	E		P	0	I	R	T		1											×
6	×	×	*	×	×	×	*	×	*	×	×	¥	×	×	×	×	×	×	×	¥	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×

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.					

2. Reporting Period: <u>04/01/84</u> Outage + On-line 3. Utility Contact: <u>JOAN N. LEE (703) 894-5151)</u>	Hrs: <u>719.</u> (2527 2775
3. Utility Contact: JOAN N. LEE (703) 894-5151)	2775
	2775
4. Licensed Thermal Power (MWt):	
5. Nameplate Rating (Gross MWe):	947
6. Design Electrical Rating (Net MWe):	907
7. Maximum Dependable Capacity (Gross MWe):	937
8. Maximum Dependable Capacity (Net MWe):	883
9. If Changes Occur Above Since Last Report, Give	Reasons:
CHANGES IN GROSS AND NET	
10. Power Level To Which Restricted, If Any (Net M	We):
11. Reasons for Restrictions, If Any:	
NONE	
12. Report Period Hrs	CUMULATIVE
13. Hours Reactor Critical 719.0 2,171.6	
14. Rx Reserve Shtdwn Hrs07.1	2,182.8
15. Hrs Generator On-Line 2,150.8	34,812.3
16. Unit Reserve Shtdwn Hrs00	0
17. Gross Therm Ener (MWH) 1,991,626 5,883,322	90,939,099
18. Gross Elec Ener (MWH) 677,095 1,994,721	29,378,907
19. Net Elec Ener (MWH)	27,726,551
20. Unit Service Factor 100.074.1	67.3
21. Unit Avail Factor 100.074.1	67.3
22. Unit Cap Factor (MDC Net) 100.673.9	60.2
23. Unit Cap Factor (DER Net)98.772.0	59.1
24. Unit Forced Outage Rate025.9	13.5
25. Forced Outage Hours 752.2	5,320.4
26. Shutdowns Sched Over Next 6 Nonths (Type, Date, D	Duration):
REFUELING OUTAGE - 05/11/84; MAINTENANCE - 11/2	23/84.
27. If Currently Shutdown Estimated Startup Date:	N/A



Report	Period Al	PR 19	84		UN	τI	SHU	TDO	N N S	/ R	E D U C T I O N S * NORTH ANNA 3 * ******************************	
No.	Date	Type	Hours	Reason	Method	LER	Number	System	n Com	conent	Cause & Corrective Action to Prevent Recurrence	
84-10	03/31/84	5	0.0	В	5						ENDED THE MONTH OF MARCH WITH UNIT 1 IN TURBINE VALVE FREEDOM TEST. POWER LEVEL 94% AT 881 MW. UNIT RETURN TO FULL POWER ON APRIL 1, 1984 - 0420.	
84-11	04/07/84	s	0.0	В	5						UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.	
84-12	04/14/84	5	0.0	В	5						UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER. ENDED THIS MONTH WITH UNIT AT 100% POWER.	

NORTH ANNA 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWN REPORTED.

* SUMMARY *

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

*******************************	FACILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEVIRGINIA	UTILITY LICENSEEVIRGINIA ELECTRIC & POWER
COUNTYLOUISA	CORPORATE ADDRESS
DIST AND DIRECTION FROM	RICHMOND, VIRGINIA 23261
NEAREST POPULATION CTR40 MI NW OF RICHMOND, VA	CONTRACTOR ARCHITECT/ENGINEERSTONE & WEBSTER
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITY APRIL 5, 1978	CONSTRUCTORSTONE & WEBSTER
DATE ELEC ENER 1ST GENER APRIL 17, 1978	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEJUNE 6, 1978	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERLAKE ANNA	IE RESIDENT INSPECTORD. JOHNSON
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERL. ENGLE DOCKET NUMBER50-338
RELIABILITY COORC	LICENSE & DATE ISSUANCENPF-4, APRIL 1, 1978
	PUBLIC DOCUMENT ROOMALDERMAN LIBRARY/MANUSCRIPTS DEPT. UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901 & LOUISA COUNTY COURTHOUSE, LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 20-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREA OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. NORTH ANNA POWER STATION ADMINISTRATIVE PROCEDURE ADM 14.1 (SEPTEMBER 14, 1983) TEMPORARY MODIFICATIONS, CONTROLS THE INSTALLATION, USE AND REMOVAL OF JUMPERS AND TEMPORARY MODIFICATIONS. CONTRARY TO THE REQUIREMENTS OF ADM 14.1: (A) UNIT 2 JUMPER 176 DID NOT HAVE A JUMPER FORM IN THE LOG. (B) THE JUMPER LOGS CONTAIN OVER 30 JUMPERS THAT ARE WELL PAST THEIR EXPECTED REMOVAL DATES, AND THEY HAVE NOT BEEN REMOVED OR UPDATED. (C) UNIT 1 JUMPER 224 SYSTEM DRAWING DOES NOT REFLECT THE PRESENT JUMPER PIPING STATUS. (D) THE FORM FOR UNIT 1 JUMPER 842 IS CHECKED AS SAFETY-RELATED AND HAS AN ATTACHED SAFETY EVALUATION, BUT DOES NOT HAVE THE SIGNATURE OF THE SUPERINTENDENT OF OPERATIONS OR HIS DESIGNEE. (E) THE SAFETY EVALUATIONS FOR UNIT 1 JUMPERS 879 AND 880 WERE NOT ADEQUATE IN THAT THE EFFECTS OF A FAILURE OF THE TEMPORARY REPAIRS WERE NOT COMPLETELY ADDRESSED.

¥	×	×	×	×	×	×	×	×	×	×	×	Ħ	×	×	×	×	×	×	×	×	×	×	×	×	¥	×	¥	×	×	×	×	¥	×	×	×
×											N	0	R	T	H		A	N	N	A		1													×
×	×	¥	×	×	×	×	×	¥	¥	×	×	×	×	×	×	×	×	*	¥	×	×	Ħ	×	×	×	×	×	¥	×	×	×	×	×	×	×

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
NONE.
FACILITY ITEMS (PLANS AND PROCEDURES):
NONE.
MANAGERIAL ITEMS:
NONE.
PLANT STATUS:
ROUTINE OPERATION.
LAST IE SITE INSPECTION DATE: MARCH 20-73. 1984 +
INSPECTION REPORT NO: 50-338/84-08 +
REPORTS FROM LICENSEE
NUMBER DATE OF DATE OF SUBJECT EVENT REPORT

NONE.

1.	Docket: 50-339	OPERA	TING S	TATUS
2.	Reporting Period:	84 Outag	e + On-line	Hrs: 719.0
3.	Utility Contact:N.	LEE (703)	894-5151 X	2527
4.	Licensed Thermal Power (M	1WED :		2775
5.	Nameplate Rating (G .ss M	lWe):		947
6.	Design Electrical Rating	(Net MWe):	1	907
7.	Maximum Dependable Capaci	ty (Gross)	"We):	939
8.	Maximum Dependable Capaci	ty (Not MW	e):	890
9.	If Changes Occur Above 5i NONE	nce Last R	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	520.7	2,606.2	22,253.1
14.	Rx Reserve Shtdwn Hrs	5.8	9.3	2,249.3
15.	Hrs Generator On-Line	515.1	2,557.0	21,834.7
16.	Unit Resurve Shtdwn Hrs			. 0
17.	Gross The m Ener (MWH)	1,240,206	6,567,288	56,988,318
18.	Gross Elec Ener (MWH)	409,718	2,152,914	18,889,281
19.	Net Elec Ener (MWH)	387,099	2,040,866	17,892,948
20.	Unit Service Factor	71.6		73.7
21.	Unit Avail Factor	71.6		73.7
22.	Unit Cap Factor (MDC Net)	60.5	79.0	67.9
23.	Unit Cap Factor (DER Net)	59.4	77.5	66.6
24.	Unit Forced Outage Rate		4.5	14.0
25.	Forced Outage Hours		121.0	3,568.5
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D	uration):
27.	If Currently Shutdown Fett	imated Star	tuo Data:	NZA



Report	Period Al	PR 19	84		UN	тт снит	TDOWNS / R	E D U C T I O N S *********************************
No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-19	03/30/84	s	203.9	В	4			RA.IPED DOWN TO BEGIN SCHEDULED SPRING MAINTENANCE OUTAGE. ENDED THE MONTH OF MARCH WITH UNIT IN MODE 5. MAINTENANCE WAS COMPLETED AND UNIT ON LINE APRIL 9, 1984, 1148. RETURNED TO 100% POWER ON APRIL 13, 1984 AT 0651.
84-20	04/14/84	s	0.0	В	5			RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-21	04/27/84	s	0.0	н	5			RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-22	04/28/84	s	0.0	н	5			RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-23	04/29/84	5	0.0	н	5			RAMPED DOWN FOR LOAD FOLLOWING . UNIT RETURNED TO FULL POWER. ENDED THIS MONTH WITH UNIT AT 100% POWER.

********** * SUMMARY * ******	APRIL	ANNA 9.	2	RETURNED	TO	POWER	FROM	SPRING	MAINTEN	ANCE	ON	
								e.		Compo		

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

**************************************	ILITY DATA	Report Period APR 1984					
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION						
LOCATION STATEVIRGINIA	UTILITY LICENSEEVIRGINIA EN	LECTRIC & POWER					
COUNTYLOUISA	CORPORATE ADDRESS	6666					
DIST AND DIRECTION FROM NEAREST POPULATION CTR40 MI NW OF RICHMOND, VA	CONTRACTOR ARCHITECT/ENGINEERSTONE & WEI	BSTER					
TYPE OF REACTOR	NUC STEAM SYS SUPPLIERWESTINGHOUS	SE					
DATE INITIAL CRITICALITYJUNE 12, 1980	CONSTRUCTORSTONE & WEI	BSTER					
DATE ELEC ENER 1ST GENERAUGUST 25, 1980	TURBINE SUPPLIERWESTINGHOUS	SE					
DATE COMMERCIAL OPERATEDECEMBER 14, 1980	REGULATORY INFORMATION						
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII						
CONDENSER COOLING WATERLAKE ANNA	IE RESIDENT INSPECTORD. JOHNSON						
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERL. ENGLE DOCKET NUMBER						
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCENPF-7, AUGUST 21, 1980						
	PUBLIC DOCUMENT ROOMALDERMAN LI UNIV. OF	IBRARY/MANUSCRIPTS DEPT. VIRGINIA/CHARLOTTESVILLE VA 22901					

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 20-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITL IN THE AREA OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

LOUISA, VA 23093

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE.	
MANAGERIAL ITEMS:	
NONE.	
PLANT STATUS:	
ROUTINE OPERATION.	
LAST IE SITE INSPECTION DATE: MARCH 20-23, 1984 +	
INSPECTION REPORT NO: 50-339/84-08 +	
REPORTS FROM LICENSEE	

NUMBER DATE OF DATE OF SUBJECT EVENT REPORT	
84-001/ 03/13/84 THREE REACTOR TRIP-TURBINE TRIP OCCURRED DUE TO FEED FLOW-STEAM FLOW MISMATCH WI GENERATOR LEVEL SIGNAL, 2/3 ONE DUE TO LO-LO WATER LEVEL IN THE 'C' STEAM GENERA	TH A LOW STEAM TOR.

1.	Docket: _50-269	OPERAT	TINGS	TATUS
2.	Reporting Period: 04/01/	84 Outage	e + On-line	Hrs: 719.0
3.	Utility Contact: A. R	EAVIS (704)	373-7567	
4.	Licensed Thermal Power (M	Wt):		2568
5.	Nameplate Rating (Gross M	We):	1038 X	0.9 = 934
6.	Design Electrical Rating	(Net MWe):		887
7.	Maximum Dependable Çapaci	ty (Gross M	1We):	899
8.	Maximum Dependable Capaci	ty (Net MWa	a):	860
9.	If Changes Occur Above Si	nce Last Re	aport, Give	Reasons:
10.	Power Level To Which Rest Reasons for Restrictions,	ricted, If If Any:	Any (Net M	We):
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 94,608.0
13.	Hours Reactor Critical	719.0	2,884.2	67,425.2
14.	Rx Reserve Shtdun Hrs		. 0	
15.	Hrs Generator On-Line	719.0	2,880.1	64,269.9
16.	Unit Reserve Shtdwn Hrs		.0	
17.	Gross Therm Ener (MWH)	1,853,815	7,380,223	153,678,255
18.	Gross Elec Ener (MWH)	650,600	2,590,670	53,458,900
19.	Net Elec Ener (MWH)	623,280	2,480,256	50,645,807
20.	Unit Service Factor	100.0	99.2	67.9
21.	Unit Avail Factor	100.0	99.2	67.9
22.	Unit Cap Factor (MDC Net)	100.8	99.3	62.1*
23.	Unit Cap Factor (DER Net)	97.7	96.3	<u>60.4</u> *
24.	Unit Forced Outage Rate			16.8
25.	Forced Outage Hours		22.9	12,070.5
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,I)uration):

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



APRIL 1984

* Item calculated with a Weighted Average

Report	Period A	PR 19	84		UN	ΙT	SHU	TDOW	NS	/ R	Ε	DU	c	τı	0	N :	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Comp	onent	-		C	ause	2 8	C	orrective Action to Prevent Recurrence
7-P	04/07/84	5	0.0	В	5			cc	VAL	VEX	co	NTRO	DL I	AND	ST	OP	VALVE PT'S.

************ OCONEE 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS REPORTED. * SUMMARY *

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

FACILITY DESCRIPTION

LOCATION STATE.....SOUTH CAROLINA

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

FACILITY DATA

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

LICENSE & DATE ISSUANCE.... DPR-38, FEBRUARY 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY 501 W. SOUTH BROAD ST. WALHALLA, SOUTH CAROLINA 29691 INSPECTION STATUS

INSPECTION SUMMARY

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

Report Period APR 1984

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

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×													0	C	0	N	E	E		1															×
¥	×	×	×	×	×	×	×	¥	×	×	×	×	×	×	×	×	×	×	×	×	×	¥	×	×	¥	×	×	×	×	×	×	×	×	×	×

OTHER ITEMS

MANAGERIAL	ITEMS:		
NONE.			
PLANT STAT	US:		
POWER OPER	ATION.		일을 가장 전화 전화 것은 것은 것을 것 같은 것이다. 그런데, 것은 것은 것은 것이다. 이것은 것이다. 이것은 것이다. 나는 것이다.
LAST IE SI	TE INSPECTI	ON DATE: FI	EBRUARY 11 - MARCH 10, 1984
INSPECTION	REPORT NO:	50-269/84	-06
			REPORTS FROM LICENSEE
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-001/	03/01/84	04/02/84	BORON CONCENTRATIONS LESS THAN TECHNICAL SPECIFICATION, DUE TO ADMINISTRATIVE DEFICIENCY.

1.	Docket: 50-270	OPERAT	INGS	TATUS
2.	Reporting Period: _04/01/	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact:A. R	EAVIS (704)	373-7567	
4.	Licensed Thermal Power (M	Wt):		2568
5.	Nameplate Rating (Gross M	We):	1038 X	0.9 = 934
6.	Design Electrical Rating	(Net MWe):		887
7.	Maximum Dependable Capaci	ty (Gross M	1kle):	899
8.	Maximum Dependable Capaci	ty (Net MWe	;):	860
9.	If Changes Occur Above Si NONE	nce Last Re	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 84,528.0
13.	Hours Reactor Critical	719.0	2,903.0	60,216.8
14.	Rx Reserve Shtdwn Hrs		.0	
15.	Hrs Generator On-Line	719.0	2,903.0	59,063.5
16.	Unit Reserve Shtdwn Hrs		. 0	. 0
17.	Gross Therm Ener (MWH)	1,847,158	7,461,301	139,951,967
8.	Gross Elec Ener (MWH)	636,260	2,574,990	47,679,846
9.	Net Elec Ener (MWH)	610,793	2,471,275	45,282,844
20.	Unit Service Factor	100.0	100.0	69.9
21.	Unit Avail Factor	100.0	100.0	69.9
2.	Unit Cap Factor (MDC Net)	98.8	99.0	<u>62.1</u> *
3.	Unit Cap Factor (DER Net)	95.8	96.0	<u>60.5</u> *
.4.	Unit Forced Outage Rate			15.8
25.	Forced Outage Hours			10,256.1
6.	Shutdowns Sched Over Next	6 Months (Type,Date,I	Duration):
	To Company the Shuldow Fal	instad Star	tun Osto:	NZA



* Item calculated with a Weighted Average

Report	Period Af	PR 19	84		UN	ΙŢ	SHU	TDOW	NS	/ R	ED	UC	: т	IO	N	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Comp	onent	=		Cau	156	8 0	Corrective Action to Prevent Recurrence
5-P	04/13/84	5	0.6	В	5			cc	VAL	VEX	CON	ROL		D S	TOP	VALVE PT'S.

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

FACILITY DATA

Report Period AP1. 1984

FACILITY DESCRIPTION

LOCATION STATE.....SOUTH CAROLINA

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

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CONSTRUCTOR......DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSE & DATE ISSUANCE.... DPR-47, OCTOBER 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY 501 W. SOUTH BROAD ST. WALHALLA, SOUTH CAROLINA 29691 INSPECTION STATUS

INSPECTION SUMMARY

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NCNE

***** OCONEE 2 × *********************************

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: FEBRUARY 11 - MARCH 10, 1984

INSPECTION REPORT NO: 50-270/84-06

REPORTS FROM LICENSEE

==========				
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
NONE.				

1.	Docket: 50-287 0	PERAT	ING S	TATUS
2.	Reporting Period: 04/01/8	4_ Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: J. A. RE	AVIS (704)	373-7567	
4.	Licensed Thermal Power (MWt):			2568
5.	Nameplate Rating (Gross MW	1038 X	6.9 = 934	
6.	Design Electrical Rating (887	
7.	Maximum Dependable Capacit	We):	899	
8.	Maximum Dependable Capacity (Net MWe): _			860
9.	If Changes Occur Above Since Last Report, Give Reasons:			
	NONE			
10.	Power Level To Which Restr	icted, If	Any (Net M	le):
11.	Reasons for Restrictions, If Any:			
	NONE			
12	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 82,175.0
13.	Hours Reactor Critical	. 0	1,619.6	58,329.5
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	. 0
15.	Hrs Generator On-Line	. 0	1,615.5	57, 198.8
16.	Unit Reserve Shtdwn Hrs			
17.	Gross Therm Ener (MWH)	0	4,048,036	139,540,599
18.	Gross Elec Ener (MWH)	0	1,397,550	48,212,144
19.	Net Elec Ener (MWH)	-1,252	1,335,943	45,903,061
20.	Unit Service Factor		55.6	69.6
21.	Unit Avail Factor		55.6	69.6
22.	Unit Cap Factor (MDC Net)		53.5	64.8
23.	Unit Cap Factor (DER Net)		51.9	63.1
24.	Unit Forced Outage Rate			14.8
25.	Forced Outage Hours			10,145.0
26.	Shutdowns Sched Over Next 6 Months (Type,Date.Duration):			
27	16 Currently Shutdown Feti	mated Star	tun Date:	05/27/84



APRIL 1984

* Item calculated with a Weighted Average
| Report | Period Al | PR 19 | 84 | | UN | τı | SHU | троы | NS / | R | ΕD | u c | T | IC | N | s | ************************************** |
|--------|-----------|-------|-------|--------|--------|-----|--------|--------|----------|----|------|-----|-----|-----|-----|-----|--|
| No. | Date | Type | Hours | Reason | Method | LER | Number | System | Componer | nt | | | Cau | se | 8 | Cor | rective Action to Prevent Recurrence |
| 2 | 03/08/84 | s | 719.0 | с | 4 | | | RC | FUELXX | | CYCL | E 7 | RE | FUE | ELI | NG | OUTAGE CONTINUES. |

********** OCONEE 3 REMAINED SHUT DOWN FOR REFUELING DURING ALL OF APRIL. * SUMMARY *

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

* OCONEE 3 *	
**************************************	ILITY
FACILITY DESCRIPTION	UTILI
LOCATION STATESOUTH CAROLINA	UTI
COUNTYOCONEE	c
DIST AND DIRECTION FROM NEAREST POPULATION CTR30 MI W OF GREENVILLE, SC	CON
TYPE OF REACTOR PWR	N
DATE INITIAL CRITICALITYSEPTEMBER 5, 1974	c
DATE ELEC ENER 1ST GENERSEPTEMBER 18, 1974	Т
DATE COMMERCIAL OPERATE DECEMBER 16, 1974	REGUL
CONDENSER COOLING METHODONCE THRU	IE
CONDENSER COOLING WATERLAKE KEOWEE	IE
ELECTRIC RELIABILITY COUNCIL	LIC
KELIABILITT COUNCIL	1.10

DATA

TY & CONTRACTOR INFORMATION

LITY ICENSEE DUKE POWER

CHARLOTTE, NORTH CAROLINA 28242

TRACTOR RCHITECT/ENGINEER..... DUKE & BECHTEL

UC STEAM SYS SUPPLIER... BABCOCK & WILCOX

CONSTRUCTOR DUKE POWER

URBINE SUPPLIER.....GENERAL ELECTRIC

ATORY INFORMATION

REGION RESPONSIBLE.....II

RESIDENT INSPECTOR.....J. BRYANT

ENSING PROJ MANAGER..... H. NICOLARAS

LICENSE & DATE ISSUANCE.... DPR-55, JULY 19, 1974

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY 501 W. SOUTH BROAD ST. W/LHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

Report Period APR 1984

Report Period APR 1984

OTHER ITEMS

MANAGERIAL ITEMS: NONE. PLANT STATUS: POWER OPERATION. LAST IE SITE INSPECTION DATE: FEBRUARY 11 - MARCH 10, 1984 INSPECTION REPORT NO: 50-287/84-06 REPORTS FROM LICENSEE NUMBER DATE OF DATE OF SUBJECT EVENT REPORT 84-002/ 02/16/84 03/19/84 UNIT 3 REACTOR TRIP WAS INITIATED BY REACTOR PROTECTION SYSTEM, DUE TO FAILURE OF THE RC LOOP 'A' FLOW TRANSMITTER. -

1.	Docket: 50-219 0 Reporting Period: 04/01/8	PERAT 14 Outage	ING 5 + On-line	T A T U S Hrs: 719.0			**************************************
3.	Utility Contact:	. MOLNAR (609) 971-41	699			AVERAGE DAILY POWER LEVEL (MU
4.	Licensed Thermal Power (Mu	(+):		1930			OVETER OREEV 1
5.	Nameplate Rating (Gross Ma	le):	722 X	9 = 650			OISILK GREEK I
6.	Design Electrical Rating (Net MWe):		650		1500 -	
7.	Maximum Dependable Capacit	y (Gross M	łe):	650			DESIGN ELEC. RATING - 85
8.	Maximum Dependable Capacit	y (Net MWe):	620			
9.	If Changes Occur Above Sir NONE	nce Last Rep	port, Give	Reasons:			
10.	Power Level To Which Restr	icted, If A	Any (Net M	de):		-	Contraction of the
11.	Reasons for Restrictions, NONE	If /ny:			я	1000 -	
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE _125,831.0	NEW		
13.	Hours Reactor Critical	.0	695.0	_ 35,319.9	3		
14.	Rx Reserve Shtdwn Hrs		. 0	468.2	漢	1	NO NET POWER OUTPUT THIS
15.	Hrs Generator On-Line		<u> </u>	82,693.8	5	1	******
16.	Unit Reserve Shtdwn Hrs		0			500 -	
17.	Gross Therm Ener (MWH)	0	0	136,301,260			
18.	Gross Elec Ener (MWH)	0	0	46,056,905			
19.	Net Elec Ener (MWH)	-1,900	-5,721	44,279,962		1	
20.	Unit Service Factor	0		65.7			
21.	Unit Avail Factor		0	65.7			
22.	Unit Cap Factor (MDC Net)	0	0	<u>56.8</u> *			
23.	Unit Cap Factor (DER Net)	0	. 0	54.1		0-	5 10 15 20
24.	Unit Forced Outage Rate		0	11_6			DAYS
25.	Forced Outage Hours			8,916.8			
26.	Shutdowns Sched Over Next NONE	6 Months ()	Type,Date,I	Duration):			HPRIL 1984
27.	If Currently Shutdown Esti	mated Start	tup Date:	06/11/84	* Item o	calcul	lated with a Weighted Average



Report	Period Al	PR 19	84		UN	IT	SHU	TDOW	NSZR	EDUCTIONS * OYSTER CREEK 1 *	
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence	-
31	02/11/83	s	719.0	с	4			ZZ	ZZZZZZ	REFUELING AND MAINTENANCE OUTAGE CONTINUES.	

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

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION STATE.....NEW JERSEY

COUNTY OCEAN

DIST AND DIRECTION FROM NEAREST POPULATION CTR...9 MI S OF TOMS RIVER, NJ

TYPE OF REACTOR BWR

DATE INITIAL CRITICALITY... MAY 3, 1969

DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969

DATE COMMERCIAL OPERATE ... DECEMBER 1, 1969

CONDENSER COOLING METHOD ... ONCE THRU

CONDENSER COOLING WATER BARNEGAT BAY

ELECTRIC RELIABILITY COUNCIL.....MID-ATLANTIC AREA COUNCIL UTILITY & CONTRACTOR INFORMATION

LIZER LIE REAL PROVIDENCE

UTILITY LICENSEE.....GPU NUCLEAR CORPORATION

ARCHITECT/ENGINEER......BURNS & ROE

NUC STEAM SYS SUPPLIER. .. GENERAL ELECTRIC

CONSTRUCTOR BURNS & ROE

TURBINE SUPPLIER GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. COWGILL

LICENSE & DATE ISSUANCE.... DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM......OCEAN COUNTY LIBRARY 101 WASHINGTON STREET TOMS RIVER, NEW JERSEY 08753

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 4.12.B.1.E.1, A SYSTEM TEST ON FIRE PUMP NUMBER ONE CONDUCTED ON SEPTEMBER 14, 1982 DID NOT SATISFY THE ABOVE REQUIREMENT IN THAT 360 FEET OF HEAD WAS NOT DEVELOPED AT 2000 GPM. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). (\$326 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

¥	×	×	×	×	×	Ħ	×	×	×	¥	¥	¥	×	×	×	¥	×	×	¥	×	×	×	×	×	¥	×	×	×	₩	¥	×	×	×	×	×
×										0	Y	5	ī	E	R		Ĉ	R	E	E	K		1												¥
×	×	Ħ	×	×	×	×	¥	×	31	×	×	×	¥	×	×	Ħ	×	×	×	×	×	×	×	×	Ħ	¥	×	×	Ħ	¥	×	×	×	H.	×

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):
NO INPUT PROVIDED.
MANAGERIAL ITEMS:
NO INPUT PROVIDED.
PLANT STATUS:
ND INPUT PROVIDED.
LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.
INSPECTION REPORT NO: NO INPUT PROVIDED.
REPORTS FROM LICENSEE
NUMBER DATE OF DATE OF SUBJECT EVENT REPORT
NO INPUT PROVIDED.

1.	Docket: _50-255 0	D P E R A T	ING 5	TATUS
г.	Reporting Period: 04/01/8	84_ Outage	+ On-line	Hrs: 719.0
3.	Utility Contact:A. F. D	LENES (616)	764-8913	
4.	Licensed Thermal Power (M	1t):		2530
5.	Nameplate Rating (Gross MD	(e):	955 X (0.85 = 812
6.	Design Electrical Rating ((Net MWe):		805
7.	Maximum Dependable Capacit	ty (Gross Mk	le):	675
8.	Maximum Dependable Capacit	ty (Net MWe)		635
9.	If Changes Occur Above Sir	nce Last Rep	ort, Give	Reasons:
	NONE			
10.	Power Level To Which Restr	icted, If A	ny (Net ML	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 108,398.0
13.	Hours Reactor Critical	. 0	0	59,259.7
14.	Rx Reserve Shtdwn Hrs			0
15.	Hrs Generator On-Line			56,278.5
16.	Unit Reserve Shtdwn Hrs		. 0	. 0
17.	Gross Therm Ener (MWH)	0	0	115,360,224
18.	Gross Elec Ener (MWH)	0	0	35,750,440
19.	Net Elec Ener (MWH)	0	0	33,628,014
20.	Unit Service Factor	6	. 0	51.9
21.	Unit Avail Factor			51.9
22.	Unit Cap Factor (MDC Net)	0	. 0	48.9
23.	Unit Cap Factor (DER Net)		. 0	38.5
24.	Unit Forced Outage Rate			32.1
25.	Forced Outage Hours		. 0	12,525.6
26.	Shutdowns Sched Over Next	6 Months (T	ype,Date,D)uration):
	none.			





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Report	Period AP	R 19	84		UN	IT	SHU	TD	0 4	N	5	/ 1	E	D	U	с	TI	0	N	s	**************************************
No.	Date	Ivpe	Hours	Reason	Method	LER	Number	<u>5v</u>	sten	Ē	ompo	non	=			C	aus	se	8	Cor	rective Action to Prevent Recurrence
1	08/12/83	s	719.0	С	4								R	EFI	UEL	IN	G 8	M	AI	NTE	ENANCE OUTAGE CONTINUES.

********** PALISADES CONTINUED DURING ALL OF APRIL IN A REFUELING AND MAINTENANCE SHUTDOWN.

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

FACILITY DESCRIPTION

LOCATION STATE.....MICHIGAN

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

FACILITY DATA

UTILITY & CONTRACTOR INFORMATION

UTILITY

CONTRACTOR

ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR......B. JORGENSON

LICENSE & DATE ISSUANCE.... DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM......KALAMAZOO PUBLIC LIBRARY 315 SOUTH ROSE STREET REFERENCE DEPARIMENT KALAMAZOO, MICHIGAN 49007

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 9 - MARCH 5, (84-05): SPECIAL, UNANNOUNCED, SAFETY AND SAFEGUARDS INSPECTION COVERING THE LOSS-OF-POWER/LOSS-OF-COMMUNICATIONS EVENT OF JANUARY 8, 1984, INCLUDING: MANAGEMENT CONTROLS; FACILITIES AND EQUIPMENT; EMERGENCY PREPAREDNESS; AND FACILITY SAFEGUARDS. THE INSPECTION INVOLVED A TOTAL OF 38 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 8 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN ADDITION, THE INSPECTION INVOLVED A TOTAL OF 32 INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS. THE MANAGEMENT MEETING ON MARCH 5 INVOLVED A TOTAL OF 20 INSPECTOR/MANAGEMENT-HOURS. OF THE FOUR AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ONE AREA (FACILITIES AND EQUIPMENT); SEVEN ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING THREE AREAS: FAILURE TO IMPLEMENT PROCEDURES AND FAILURE TO FOLLOW PROCEDURES; FAILURE TO DECLARE EVENT STATUS, FAILURE TO CONDUCT TRAINING ON EMERGENCY PLAN, AND FAILURE TO REPORT LOSS OF COMMUNICATIONS; FAILURE TO REPORT PHYSICAL SECURITY EVENT; FAILURE TO MAINTAIN COMMUNICATIONS CAPABILITY).

INSPECTION DURING MARCH 1 THROUGH APRIL 6, (84-08): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PLANT SAFETY; WORK ACTIVITIES; IE BULLETIN; REFUELING ACTIVITIES; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 141 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE FIVE AREAS INSPECTED.

Report Period APR 1984

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

******* PALISADES × * PALISADES *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
INDICATIONS OF MAJOR STEAM GENERATOR TUBE DEGENERATION ARE BEING INVESTIGATED AND EVALUATED.
FACILITY ITEMS (PLANS AND PROCEDURES):
NONE
MANAGERIAL ITEMS:
NONE
PLANT STATUS:
THE PLANT SHUTDOWN ON 8/13/83 TO START A REFUELING AND MAINTENANCE DUTAGE. RESTART SCHEDULED FOR JUNE, 1984.
LAST IE SITE INSPECTION DATE: MARCH 1-31, 1984
INSPECTION REPORT NO: 84-08
REPORTS FROM LICENSEE
NUMBER DATE OF DATE OF SUBJECT EVENT REPORT
84-02 04/01/84 04/26/84 CONTAINMENT ISOLATION ACTUATION.

1.	Docket: 50-277	OPERAT	ING S	TATUS
2.	Reporting Period: _04/01/	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact:W. M. A	lden (215)	841-5022	
4.	Licansed Thermal Power (M	Wf):		3293
5.	Nameplate Rating (Gross M	We):	1280 X	0.9 = 1152
6.	Design Electrical Rating	(Net MWe):		1065
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1098
8.	Maximum Dependable Capaci	ty (Net MWe):	1051
9.	If Changes Occur Above Si	nce Last Re	port, Give	Reasons:
	NONE			
10.	Power Level To Which Rest	ricted, If	Any (Net M	we):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 86,111.0
13.	Hours Reactor Critical	652.0	2,583.9	62,283.0
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	. 0
15.	Hrs Generator On-Line	650.2	2,544.8	60,556.6
16.	Unit Reserve Shtdwn Hrs		. 0	. 0
17.	Gross Therm Ener (MWH)	1,921,829	7,865,391	178,420,001
18.	Gross Elec Ener (MWH)	614,670	2,547,570	58,718,660
19.	Net Elec Ener (MWH)	591,877	2,465,820	56,302,250
20.	Unit Service Factor	90.4	87.7	70.3
21.	Unit Avail Factor	90.4	87.7	70.3
22.	Unit Cap Factor (MDC Net)		80.8	62.2
23.	Unit Cap Factor (DER Net)	77.3	79.8	61.4
24.	Unit Forced Outage Rate		4.4	12.5
25.	Forced Outage Hours		116.4	8,628.6
26.	Shutdow - Sched Over Next	6 Months (Type,Date,I	Duration):
27	If Currently Shutdown Est	imated Star	tuo Data:	12/31/84



Report	Period Al	PR 19	84		UN	I T	SHU	TDOW	NS	/ R	E	DUC	τı	0	N	S * PEACH BOTTOM 2 * *********************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Comp	onent	_		Caus	8	& C	Corrective Action to Prevent Recurrence
5	04/28/84	s	68.8	с	1			RC	FUE	LXX	SH	UTDOW	N FO	R	ITS	SIXTH REFUELING OUTAGE.

********* PEACH BOTTOM 2 OPERATED ROUTINELY UNTIL APRIL 28 WHEN IT WAS * SUMMARY * SHUT DOWN FOR REFUELING.

Туре	Reason	and the second	Method	System & Component
F-Forced S-Sched	A-Equip Failure B-Maint or Test C-Refueling D-Regulatory Res E-Operator Train & License Exa	F-A min G-Op - Error H-Other triction ing mination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)

****** PEACH BOTTOM 2 ****

FACILITY DESCRIPTION

LOCATION STATE.....PENNSYLVANIA

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

AREA COUNCIL

FACILITY DATA

UTILITY & CONTRACTOR INFORMATION

UTILITY

PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER......GENERAL ELECTRIC

REGULATORY INFORMATION

IE RESIDENT INSPECTOR..... A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS DOCKET NUMBER 50-277

LICENSE & DATE ISSUANCE.... DPR-44, DECEMBER 14, 1973

PUBLIC DOCUMENT ROOM...... GOVERNMENT PUBLICATIONS SECTION STATE LIBRARY OF PENNSYLVANIA FORUM BUILDING COMMONWEALTH AND WALNUT STREET HARRISBURG, PENNSYLVANIA 17105 INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.59: (1) ON APRIL 8, 1977, THE LICENSEE CHANGED PROCEDURE GP-3, NORMAL PLANT SHUTDOWN, SUCH THAT PROCEDURALLY ALLOWED OPERATION OF THE ROD WORTH MINIMIZER (RWM) AND ROD SEQUENCE CONTROL SYSTEM (RSCS), DURING SHUTDOWN, WAS BOTH DIFFERENT FROM THAT DESCRIBED IN THE FSAR AND INCONSISTENT WITH TECHNICAL SPECIFICATION OPERABILITY REQUIREMENTS ON THE RUM AND RSCS, YET NEITHER PRIOR COMMISSION APPROVAL NOR A TECHNICAL SPECIFICATION CHANGE WAS OBTAINED. (2) IN ABOUT 1979, THE LICENSEE CHANGED THE RWM SYSTEM SEQUENCE PROGRAM FROM THAT DESCRIBED IN THE FSAR, YET NO FORMAL DETERMINATION WAS MADE AS TO WHETHER THE CHANGE INVOLVED AN UNREVIEWED SAFETY QUESTION AND NO SAFETY EVALUATION WAS WRITTEN. CONTRARY TO TECH SPEC 6.8 AND PROCEDURES A-26. A-47. AND ST 10.5: (1) PROBLEMS WITH TESTING AND OPERATING WAS RWM AND RSCS DURING A PLANT SHUTDOWN ON NOVEMBER 17, 1983. WERE NOT FULLY INVESTIGATED OR CORRECTED WITHIN EIGHT HOURS, YET NO MAINTENANCE REQUEST WAS INITIATED. (2) STID.6, REVISION 10. JULY 18, 1980, RAL SEQUENCE CONTROL SYSTEM (RSCS) FUNCTION TEST, WAS WRITTEN AND IMPLEMENTED WITHOUT MAKING THE TECHNICAL SPECIFICATION REQUIREMENT AN ASTERISKED STEP. AS A RESULT, COMPLETED TESTS DO NOT CONTAIN DOCUMENTATION OF THE COMPLETED TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT, EVEN THOUGH THEY ARE SIGNED OFF AS SATISFACTORY. (3) ON MAY 28, 1983, ST10.5

Report Period APR 1984

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

WAS COMPLETED AND SIGNED OFF AS SATISFACTORY WHEN ONLY ONE ROD WAS LISTED AS HAVING BEEN USED TO VERIFY THE OPERABILITY OF THE ROD SELECT ERROR FUNCTION. CONTRARY TO 10 CF 50.59: (1) ON APRIL 8, 1977, THE LICENSEE CHANGED PROCEDURE GP-3, NORMAL PLANT SHUTDOWN, SUCH THAT PROCEDURALLY ALLOWED OPERATION OF THE ROD WORTH MINIMIZER (RWM) AND ROD SEQUENCE CONTROL SYSTEM (RSCS), DURING SHUTDOWN, SUCH THAT PROCEDURALLY ALLOWED OPERATION OF THE ROD WORTH MINIMIZER (RWM) AND ROD SEQUENCE CONTROL SYSTEM (RSCS), DURING SHUTDOWN, WAS BOTH DIFFERENT FROM THAT DESCRIBED IN THE FSAR AND INCONSISTENT WITH TECHNICAL SPECIFICATION OPERABILITY REQUIREMENTS ON THE RWM AND RSCS, YET NEITHER PRIOR COMMISSION APPROVAL NOR A TECHNICAL SPECIFICATION CHANGE WAS OBTAINED. (2) IN ABOUT 1979, THE LICENSEE CHANGED THE RWM SYSTEM SEQUENCE PROGRAM FROM THAT DESCRIBED IN THE FSAR, YET NO FORMAL DETERMINATION WAS MADE AS TO WHETHER THE CHANGE INVOLVED AN UNREVIEWED SAFETY QUESTION AND NO SAFETY EVALUATION WAS WRITTEN. CONTRARY TO TECH SPEC 6.8, AND PROCEDURES A-26, A-47, AND ST10.5: (1) PROBLEMS WITH TESTING AND OPERATING THE RWM AND RSCS DURING A PLANT SHUTDOWN ON NOVEMBER 17, 1983, WERE NOT FULLY INVESTIGATED OR CORRECTED WITHIN EIGHT HOURS, YET NO MAINTENANCE REQUEST WAS INITIATED. (2) ST10.6, REVISION 10, JULY 18, 1980, RAL SEQUENCE CONTROL SYSTEM (RSCS) FUNCTION TEST, WAS WRITTEN AND IMPLEMENTED WITHOUT MAKING THE TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT, EVEN THOUGH THEY ARE SIGNED OFF AS SATISFACTORY. (3) ON MAY 28, 1983, ST10.5 WAS COMPLETED AND SIGNED OFF AS SATISFACTORY WHEN ONLY ONE ROD WAS LISTED AS HAVING BEEN USED TO VERIFY THE OPERABILITY OF THE ROD SELECT ERROR FUNCTION. (3601 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NC INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER DATE OF DATE OF SUBJECT EVENT REPORT				
	SUBJECT	DATE OF	DATE OF	NUMBER
		REPURI	EVENI	

1. D	ocket: 50-278	OPERA	TINGS	TATUS
2. R	eporting Period: _04/01/	84 Outage	e + On-line	Hrs: 719.0
3. U	tility Contact: <u>W. M. A</u>	lden (215)	841-5022	
4. L	icensed Thermal Power (M	Wt):		3293
5. N	ameplate Rating (Gross M	We):	1280 X	0.9 = 1152
6. D	esign Electrical Rating	(Net MWe):		1065
7. M	aximum Dependable Capaci	ty (Gross)	1We):	1098
8. M	aximum Dependable Capaci	ty (Net MWa	e):	1035
9. I N	f Changes Occur Above Si ONE	nce Last Re	eport, Give	Reasons:
10. P	ower Level To Which Rest	ricted. If	Any (Net M	40):
11. P	easons for Restrictions	If Any:	any thet h	
N	ONF	T. Muy.		
12. R	eport Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 82,007.0
13. H	ours Reactor Critical	719.0	2,600.3	59,400.4
14. R	x Reserve Shtdwn Hrs			. 0
15. H	rs Generator On-Line	719.0	2,568.5	57,884.7
16. U	nit Reserve Shtdwn Hrs		. 0	. 0
17. G	ross Therm Ener (MWH)	2,350,454	8,211,755	169,250,060
18. G	ross Elec Ener (MWH)	788,370	2,740,020	55,555,140
19. N	et Elec Ener (MWH;	764,595	2,661,394	53, 325, 179
20. U	nit Service Factor	100.0	88.5	70.6
21. U	nit Avail Factor	100.0	88.5	70.6
22. Ur	nit Cap Factor (MDC Net)	102.7	88.6	62.8
23. Ur	nit Cap Factor (DER Net)	99.9		61.1
24. Ur	nit Forced Outage Rate		11.5	7.5
25. Fe	orced Outage Hours		334.5	4,665.4
26. SH	nutdowns Sched Over Next DNE	6 Months (Type,Date,D	Ouration):
27. 14	Currently Shutdown Fett	imated Star	tun Data:	NZA



Report	Period Al	PR 19	84		UN	IT	SHU	троы	NS	/ R	ED	u c	τI	0	NS	**********	PEAC	***************** H BOTTOM 3 ***************	******
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Com	ponent	-		Caus	e	& Cor	rective Acti	on to	o Prevent Recorr	ence
4	04/20/84	s	0.0	н	5			RC	ZZ	ZZZZ	CON	TROL	ROD	P	ATTER	N ADJUSTMENT	AND	CONDENSATE PUMP	REPAIR.

********** * SUMMARY * REPORTED. **********

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

****** PEACH BOTTOM 3 ******* FACILITY DESCRIPTION LOCATION STATE PENNSYLVANIA 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 AREA COUNCIL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY

CONTRACTOR

ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR..... A. BLOUGH

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

CTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)	**************************************
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 DATE CF SUBJECT EVENT REPORT	
NO INPUT PROVIDED.	
***************************************	***************************************

1.	Docket: 50-293 0	PERAT	INGS	TATUS
2.	Reporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.1
3.	Utility Contact: P. HAMIL	TON (617) 7	46-7905	
4.	Licensed Thermal Power (MW	(t):		1998
5.	Nameplate Rating (Gross MW	le):	780 X	0.87 = 678
6.	Design Electrical Rating (Net MWe):		655
7.	Maximum Dependable Capacit	y (Gross MW	le):	690
8.	Maximum Dependable Capacit	y (Net MWe)		670
9.	If Changes Occur Above Sin NONE	ce Last Rep	ort, Give	Reasons:
10.	Power Level To Which Restr	icted, If A	ny (Net M	We):
11.	Reasons for Restrictions,	If Any:		
_	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIV
13.	Hours Reactor Critical	. 0	. 0	69,733.
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	(
15.	Hrs Generator On-Line	. 0	. 0	67,521.6
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	(
17.	Gross Therm Ener (MWH)	0	0	116,932,632
18.	Gross Elec Ener (MWH)	0	0	39,228,314
19.	Net Elec Ener (MWH)	0	0	37,693,409
20.	Unit Service Factor	. 0	. 0	67.6
21.	Unit Avail Factor	.0	. 0	67.6
22.	Unit Cap Factor (MDC Net)	. 0	. 0	56.3
23.	Unit Cap Factor (DER Net)	.0	. 0	57.6
24.	Unit Forced Outage Rate	.0	. 0	9.2
25	Forced Outage Hours	. 0	. 0	6,842.5
and a				



Report	Period AF	PR 19	84		UN	ΙŢ	SHU	TDO	N N	N :	5 /	R	ΕI	U U	с 1	1	0	N	************************************
No.	Date	Type	Hours	Reason	Method	LER	R Number	Syst	em	Cor	npone	nt	_		Ca	105	e 1	1 0	Corrective Action to Prevent Recurrence
16	12/10/83	s	719.0	с	4								SHL	JTDO	WN	FOI	RF	REF	UELING AND RECIRCULATION PIPE REPLACEMENT.

********** PILGRIM 1 REMAINS SHUT DOWN FOR REFUELING AND RECIRCULATION * SUMMARY * PIPING REPLACEMENT.

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

********** 44 PILGRIM 1 ********** FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE..... MASSACHUSETTS COUNTY PLYMOUTH BOSTON, MASSACHUSETTS 02199 DIST AND DIRECTION FROM NEAREST POPULATION CTR ... 4 MI SE OF CONTRACTOR PLYMOUTH, MASS ARCHITECT/ENGINEER.....BECHTEL TYPE OF REACTOR BWR NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC DATE INITIAL CRITICALITY...JUNE 16, 1972 CONSTRUCTOR.....BECHTEL DATE ELEC ENER 1ST GENER...JULY 19, 1972 TURBINE SUPPLIER.....GENERAL ELECTRIC DATE COMMERCIAL OPERATE.... DECEMBER 1, 1972 REGULATORY INFORMATION CONDENSER COOLING METHOD ... ONCE THRU IE REGION RESPONSIBLE.....I CONDENSER COOLING WATER CAPE COD BAY IE RESIDENT INSPECTOR.....J. JOHNSON ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....P. LEECH COUNCIL NORTHEAST POWER DOCKET NUMBER 50-293 COORDINATING COUNCIL LICENSE & DATE ISSUANCE.... DPR-35, SEPTEMBER 15, 1972

PUBLIC DOCUMENT ROOM......PLYMOUTH PUBLIC LIBRARY 11 NORTH STREET PLYMOUTH, MASSACHUSETTS 02360

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.4 AND RG 1.33 PROCEDURES WERE NOT PROPERLY ESTABLISHED AND MAINTAINED FOR NORMAL OPERATION OF THE PRIMARY (8404 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx																	PAGE 2-219
CTIDN STATUS - (CONTINUED)							PROVIDED.		REPORTS FROM LICENSEE								
Report Period APR 1984 IN S P E	OTHER ITEMS	NO INPUT PROVIDED.	MANAGERIAL ITEMS:	NO INPUT PROVIDED.	PLANT STATUS:	NO INPUT PROVIDED.	LAST IE SITE INSPECTION DATE: NO INPUT	INSPECTION REPORT NO: NO INPUT PROVIDED		NUMBER DATE OF DATE OF SUBJEC	NO INPUT PROVIDED.						

1. Docket: _50-266_	OPERAT	ING S	TATUS
2. Reporting Period: 04/0	1/84 Outage	+ On-line	Hrs: 719.0
3. Utility Contact: C.W.	FAY (414) 277	-2811	
4. Licensed Thermal Power	(MWE):		1518
5. Nameplate Rating (Gross	MWe):	582 X	0.9 = 524
6. Design Electrical Ratin	g (Net MWe):		497
7. Maximum Dependable Capa	city (Gross M	We):	519
8. Maximum Dependable Capa	city (Net MWe):	485
9. If Changes Occur Above NONE	Since Last Re	port, Give	Reasons:
10. Power Level To Which Re	stricted, If	Any (Net M	We):
11. Reasons for Restriction	s, If Any:		
NONE			
12 Bread Braind Har	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs		_2,903.0	118,199.0
13. Hours Reactor Critical			94,632.9
14. KX Keserve Shtdwn Hrs		3.9	629.3
15. Mrs Generator Un-Line		520.5	
16. Unit Keserve Shtdwn Hrs	5.8	5.8	
17. Gross Therm Ener (MWH)	692,459	692,459	124,227,771
18. Gross Elec Ener (MWH)	239,010	239,010	41,634,990
19. Net Elec Ener (MWH)	226,245	226,245	39,594,127
20. Unit Service Factor	72.4	17.9	77.9
21. Unit Avail Factor	73.2	18.1	78.6
22. Unit Cap Factor (MDC Net	£) <u>64.9</u>	16.1	68.5
23. Unit Cap Factor (DER No.	·) <u>63.3</u>	15.7	67.4
24. Unit Forced Outage Rate	. 0		2.7
25. Forced Outage Hours		. 0	2,406.3
26. Shutdowns Sched Over New NONE	kt 6 Months (1	ype,Date,D)uration):

******** POINT BEACH 1 ******* AVERAGE DAILY POWER LEVEL (MWe) PLOT POINT BEACH 1 1500 -DESIGN ELEC. RATING -497 ... MAX. DEPEND. 485 (100%) CRP. -1000 NET THE GENERATED PERCENT MDC NOC ONN BE EXCREDED UNDER OPTIMAL CONDITIONS 500 -----100 80 60 40 20 0 10 DAYS 0 5 20 25 30



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

* Item calculated with a Weighted Average

Report	Period Al	PR 19	84		UN	τī	SHU	TDOW	NS / R	EDUCTIONS * POINT BEACH 1 *
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	10/01/83	s	197.5	с	4			ZZ	ZZZZZZ	CONTINUATION OF A 26-WEEK REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.
1	04/09/84	5	1.0	В	1			ZZ	ZZZZZZ	UNIT REMOVED FROM SERVICE TO COMPLETE OFF LINE TURBINE TRIP TESTING.

********** POINT BEACH 1 RETURNED TO POWER ON APRIL 9 FOLLOWING REFUELING AND * SUMMARY * STEAM GENERATOR REPLACEMENT.

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

FAC	ILITY DATA	Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION	
LOCATION STATEWISCONSIN	UTILITY LICENSEEWISCONSIN	N ELECTRIC POWER COMPANY
COUNTYMANITOWOC	CORPORATE ADDRESS	MICHIGAN STREET
DIST AND DIRECTION FROM	MILWAUM	KEE, WISCONSIN 53201
NEAREST POPULATION CTR15 MI N OF MANITOWOC, WISC	CONTRACTOR ARCHITECT/ENGINEERBECHTEL	
TYPE OF REACTOR PWR	NUC STEAM SYS SUPPLIERWESTINGHO	DUSE
DATE INITIAL CRITICALITYNOVEMBER 2, 1970	CONSTRUCTORBECHTEL	
DATE ELEC ENER IST GENERNOVEMBER 6, 1970	TURBINE SUPPLIERWESTINGHO	DUSE
DATE COMMERCIAL OPERATE DECEMBER 21, 1970	REGULATORY INFORMATION	
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIII	
CONDENSER COOLING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORR. HAGUE	
ELECTRIC RELIABILITY COUNCILMID-AMERICA	LICENSING PROJ MANAGERT. COLBUR DOCKET NUMBER50-266	2N
INTERFOOL NETWORK	LICENSE & DATE ISSUANCEDPR-24, 0	OCTOBER 5, 1970
	PUBLIC DOCUMENT ROOMJOSEPH MA 1516 161 TWO RIVE	NNN PUBLIC 'IBRARY TH ST. RS. WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 27 TO MAPCH 2, (84-02): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE UNIT 1 STEAM GENERATOR REPAIR AND REFUELING OUTAGE, INCLUDING: ORGANIZATIONAL CHANGES; POSTING AND CONTROL; INTERNAL AND EXTERNAL EXPOSURE CONTROL; LICENSEE AUDITS; AND THE STEAM GENERATOR SPECIMEN REMOVAL PROJECT. ALSO, LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS AND TMI ACTION PLAN ITEMS II.B.2.2, II.F.1.1, II.F.1.2, AND II.F.1.3 WERE REVIEWED. THE INSPECTION INVOLVED 61 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA (FAILURE TO RETAIN RECORDS OF CALIBRATIONS - SECTION 10, AND FAILURE TO COMPLY WITH AN NRC ORDER CONFIRMING POST-TMI ACTIONS - SECTION 10).

INSPECTION ON MARCH 12-13, (84-03): REVIEWED INFORMATION ON CRACK INDICATIONS AND FAILURE OF CONTROL ROD DRIVE SUPPORT PINS AND ALSO UT INDICATIONS IN THE NOZZLE TO PRESSURE VESSEL WELDS IN THE HOT LEGS OF THE REACTOR COOLANT PRESSURE BOUNDARY. THE INSPECTION INVOLVED A TOTAL OF 11 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY WEPCO - THE POINT BEACH QUALITY PROGRAM REQUIR ES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH PROCEDURES AND DRAWINGS. WELDING PROCEDURE SPECIFICATION N-8-8-A IDENTIFIED AS THE Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

APPLICABLE PROCEDURE FOR FIELD WELDS 88 AND 98 ON DRAWING 2340D19-W012D, REQUIRES & MAXIMUM FREQUENCY OF OSCILLATION OF 60 CPM. FQP 7.1, REV. 1P, "RECEIPT INSPECTION", PARAGRAPH 4.5.5, REQUIRES WELDING FILLER MATERIAL HEAT NUMBERS TO BE LISTED ON RECEIVING INSPECTION REPORTS. FQP 7.1, REV. 1P, PARAGRAPH 4.6.3 REQUIRES MRN NUMBERS TO BE LISTED ON THE CERTIFIED MATERIAL TEST REPORTS. ASSOCIATED WITH THE SPECIFIC RECEIVING INSPECTION. WELDING PROCEDURE SPECIFICATION M-3-3-B-P IDENTIFIED AS THE APPLICABLE PROCEDURE FOR WELD REPAIR 2830E-121, REQUIRES A MINIMUM PREHEAT TEMPERATURE OF 250 DEGREES F. FOP-9.2 "LIQUID PENETRANT EXAMINATION PROCEDURE" PARAGRAPH 4.17. REQUIRES ALL LIQUID PENETRANT EXAMINATIONS TO BE CORRECTLY DOCUMENTED. DRAWING 2340D19. REV. 5, "STEAM GENERATOR REPLACEMENT VESSEL AND PIPING, WELDING AND INSPECTION" REQUIRES LIQUID PENETRANT EXAMINATION OF THE O.D. ROOT LAYER OF FIELD WELDS 84 AND 94 ON DRAWING 2340D19-W-003-D AND FIELD WELDS 88 AND 98 ON DRAWING 2340D19-W-012-D. CONTRARY TO THE ABOVE. ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH PROCEDURES AND DRAWINGS. IN THAT THE FOLLOWING EXAMPLES WERE NOTED: (A) THE FREQUENCY OF OSCILLATION FOR FIELD WELDS 8B AND 9B ON DRAWING 2340D19-W012D WAS 67 CPM AT TWO DIFFERENT TIMES, (B) WELDING FILLER MATERIAL HEAT NUMBERS WERE NOT LISTED ON RECEIVING INSPECTION REPORT R-0041. (C) MRN NUMBER R-0136 WAS NOT LISTED ON THE CERTIFIED MATERIAL TEST REPORTS ASSOCIATED WITH THAT RECEIVING INSPECTION, (D) THE PREHEAT TEMPERATURE ON THE A-GENERATOR STEAM DRUM WELD REPAIR (2830E-121) WAS 204 DEGREES F, (E) A NONEXISTENT LIQUID PENETRANT DEVELOPER BATCH NUMBER WAS NOTED ON INSPECTION REPORT 2911-D-580-X, AND (F) THE LIQUID PENETRANT EXAMINATION OF THE OD OF THE ROOT WAS NOT ACCOMPLISHED FOR FW 84 AND 94 ON DRAWING 2340D19-W-003-D AND FW 88 AND 98 ON DRAWING 2340D19-W-012-D. (8320 4)

10 CFR 50, APPENDIX B, CRITERION XI, AS IMPLEMENTED BY WEPCO - THE POINT BEACH QUALITY PROGRAM REQUIRES A TEST PROGRAM BE ESTABLISHED TO DEMONSTRATE THAT SYSTEMS AND COMPONENTS WILL PERFORM SATISFACTORILY IN SERVICE. WEPCO PROCEDURE WMTP-11.27, REVISION 0, "HYDROSTATIC TEST UNIT 1 STEAM GENERATORS" HAS BEEN IDENTIFIED AS THE APPLICABLE PROCEDURE FOR THE SECONDARY SIDE STEAM GENERATOR SYSTEM PRESSURE TEST. WMPT-11.27 PARAGRAPH 3.1 REQUIRES "HEISE" GAUGES BE USED WITH THAT PROCEDURE. ASME B AND PV CODE SECTION XI 77579 HAS BEEN IDENTIFIED AS THE APPLICABLE CODE FOR THE SYSTEM PRESSURE TEST. ASME B&PV CODE SECTION XI PARAGRAPH IWA-5263 REQUIRES PRESSURE INDICATING GAUGES GRADUATED OVER A RANGE OF AT LEAST 1.5 TIMES BUT NOT MORE THAN 4 TIMES THE TEST PRESSURE. CONTRARY TO THE ABOVE, AN ADEQUATE TEST PROGRAM HAD NOT BEEN ESTABLISHED TO DEMONSTRATE THAT SYSTEMS AND COMPONENTS WOULD PERFORM SATISFACTORILY IN SERVICE IN THAT FOR THE SECONDARY HYDROSTATIC TEST OF THE A & B STEAM GENERATORS THE LICENSEE FAILED TO FOLLOW A HYDROSTATIC TEST PROCEDURES, THE HYDROSTATIC TEST AS EVIDENCED BY THE FOLLOWING EXAMPLES: "MAXITEST" GAUGES WERE USED FOR THE SECONDARY HYDROTEST OF THE A MORE REQUIRED BY THE FOLLOWING EXAMPLES: "MAXITEST" GAUGES WERE USED FOR THE SECONDARY HYDROTEST OF THE AS REQUIRED BY PROCEDURE WMPT-11.22, THE "MAXITEST" GAUGES USED IN THE HYDROSTATIC TEST AS EVIDENCED BY THE FOLLOWING EXAMPLES: "MAXITEST" GAUGES WERE USED FOR THE SECONDARY HYDROTEST OF THE AND "BE PRESSURE REQUIREMENT, AND THERE IS NO DOCUMENTED RECORD OF THE PRESSURE OR PRESSURES AT WHICH THE "MAXITEST" GAUGES WERE CALIBRATED OR WHO CALIBRATED THE GAUGES USED WERE 2000 PSIG GAUGES FOR A 1388 PSIG TEST, WHICH THE "MAXITEST" GAUGES WERE CALIBRATED OR WHO CALIBRATED THE GAUGES.

10 CFR 50.54(H) STATES THAT THE LICENSEE SHALL BE SUBJECT TO THE PROVISIONS OF THE RULES, REGULATIONS, AND ORDERS OF THE COMMISSION. ON MARCH 14, 1983, THE COMMISSION ISSUED AN ORDER CONFIRMING THE LICENSEE'S COMMITMENTS ON POST-TMI RELATED ISSUES. THE ORDER STATES, IN PART, THAT THE LICENSEE SHALL IMPLEMENT AND MAINTAIN THE SPECIFIC ITEMS DESCRIBED AS COMPLETE IN THE ATTACHMENTS TO THE ORDER. ATTACHMENT 1 TO THE ORDER LISTS THE LICENSEE'S COMPLET. SCHEDULE DATE FOR NUREG-0737 ITEM II.B.2.2, "PLANT SHIELDING MODIFICATIONS," AS JANUARY 1, 1984. CONTRARY TO THE ABOVE, THE . KTABLE SHIELDING FOR THE CONTROL ROOM AND C-59 PANEL, NEEDED TO SATISFY THE CRITERIA OF ITEM II.B.2.2, WAS NOT ASSEMBLED AND IN PLACE UNTIL JANUARY 6, 1984.

TECHNICAL SPECIFICATION 15.6.10, "PLANT OPERATING RECORDS," STATES, IN PART, THAT RECORDS RELATIVE TO PERIODIC CHECKS AND INSPECTIONS BE RETAINED. CONTRARY TO THE ABOVE, NO RECORDS OF THE CONTAINMENT HIGH RANGE RADIATION MONITOR IN SITU SOURCE CALIBRATIONS WERE RETAINED. (8402 5)

OTHER ITEMS

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

×	×	×	×	×	×	×	×	×	¥	×	×	×	×	×	×	*	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
*										P	0	1	N	T		B	E	A	C	H		1													×
×	×	×	×	×	×	×	*	Ħ	*	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT HAS STARTED UP AND IS OPERATING FOLLOWING A REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 29 - APRIL 1, 1984

INSPECTION REPORT NO: 84-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-01	02/25/84	03/28/84	CRACKED & MISSING CONTROL ROD GUIDE TUBE SPLIT PINS.
84-02	02/28/84	03/28/84	REACTOR VESSEL OUTLET NOZZLE-TO-SHELL WELD INDICATIONS.

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τ.	Dacket: _50-301	OPERAT	ING S	TATUS
2.	Reporting Period: 04/01/	84_ Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: C.W. FA	Y (414) 277	-2811	
4.	Licensed Thermal Power (M	Ut):		1518
5.	Nameplate Rating (Gross M	We):	582 X	0.9 = 524
6.	Design Electrical Rating	(Net MWe):	-	497
7.	Maximum Dependable Capaci	ty (Gross M	We):	519
8.	Maximum Dependable Capaci	ty (Net MWe	:):	495
9.	If Changes Occur Above Si	nce Last Re	port, Give	Reasons:
	NONE			
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
_	NONE	in the second		
12.	Report Period Hrs	MONTH 719.0	YEAR 2.903.0	CUMULATIVE 102,984.0
13.	Hours Reactor Critical	719.0	2,903.0	91,331.2
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	198.3
15.	Hrs Generator On-Line	719.0	2,903.0	89,805.8
16.	Unit Reserve Shtdwn Hrs			182.7
17.	Gross Therm Ener (MWH)	1,068,842	4,357,092	125,251,869
18.	Cross Elec Ener (MWH)	359,900	1,468,610	42,428,440
19.	Net Elec Ener (MWH)	343,539	1,405,154	40,410,419
20.	Unit Service Factor	100.0	100.0	87.2
21.	Unit Avail Factor	100.0	100.0	87.4
22.	Unit Cap Factor (MDC Net)	96.5	97.8	79.8×
23.	Unit Cap Factor (DER Net)	96.1	97.4	79.0
24.	Unit Forced Outage Rate			1.4
25.	Forced Outage Hours			692.2
26.	Shutdowns Sched Over Next	6 Months (Type, Date, I	Ouration):
	REFUELING & MAINTENANCE: (9/28/84 -	5 WEEKS.	
27.	If Currently Shutdown Esti	imated Star	tup Date:	N/A



* Item calculated with a Weighted Average

Report	Period AP	R 198	14		U	N I	т	s	ни	T	D	0 1	A N	s	1	R	E	D	U C	т	I	0	N	s	****	****	**** Pi	XXXX DINT	BEAC	*** H 2	*******	*****	
No.	Date	Type	Hours	Reason	Metho	d :	LER	Num	ber	_	ivs	iter	<u>c</u>	omp	one	ent			_	Ca	use	8	С	orre	activ	ve A	ctio	n to	Prev	ent	Recurren	nce	

NONE

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

FACILITY DESCRIPTION

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

FACILITY DATA

Report Period APR 1984

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

LICENSE & DATE ISSUANCE.... DPR-27, MARCH 8, 1973

PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY 1516 16TH ST. TWO RIVERS, WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 27 TO MARCH 2, (84-01): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE UNIT 1 STEAM GENERATOR REPAIR AND REFUELING OUTAGE, INCLUDING: ORGANIZATIONAL CHANGES; POSTING AND CONTROL; INTERNAL AND EXTERNAL EXPOSURE CONTROL; LICENSEE AUDITS; AND THE STEAM GENERATOR SPECIMEN REMOVAL PROJECT. ALSO, LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS AND TMI ACTION PLAN ITEMS II.B.2.2, II.F.1.1, II.F.1.2, AND II.F.1.3 WERE REVIEWED. THE INSPECTION INVOLVED 61 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA (FAILURE TO RETAIN RECORDS OF CALIBRATIONS - SECTION 10, AND FAILURE TO COMPLY WITH AN NRC ORDER CONFIRMING POST-TMI ACTIONS - SECTION 10).

INSPECTION ON MARCH 12-13, (84-02): REVIEWED INFOPMATION ON CRACK INDICATIONS AND FAILURE OF CONTROL ROD DRIVE SUPPORT PINS AND ALSO UT INDICATIONS IN THE NOZZLE TO PRESSURE VESSEL WELDS IN THE HOT LEGS OF THE REACTOR COOLANT PRESSURE BOUNDARY. THE INSPECTION INVOLVED A TOTAL OF 11 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(H) STATES THAT THE LICENSEE SHALL BE SUBJECT TO THE PROVISIONS OF THE RULES, REGULATIONS, AND ORDERS OF THE COMMISSION. ON MARCH 14, 1983, THE COMMISSION ISSUED AN ORDER CONFIRMING THE LICENSEE'S COMMITMENTS ON POST-TMI RELATED ISSUES.

Report Period APR 1984

. #	×	×	*	*	×	×	×	×	×	×	×	*	×	×	*	×	×	×	۰	×	×	×	×	×	×	×	×	×	×	×	ж	×	×	×	×
×										P	0	I	N	T		B	E	A	¢	H		2													×
×	×	×	*	×	×	*	×	×	×	×	×	×	×	×	×	×	*	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	Ħ	×	×

ENFORCEMENT SUMMARY

THE ORDER STATES, IN PART, THAT THE LICENSEE SHALL IMPLEMENT AND MAINTAIN THE SPECIFIC ITEMS DESCRIBED AS COMPLETE IN THE ATTACHMENTS TO THE ORDER. ATTACHMENT 1 TO THE ORDER LISTS THE LICENSEE'S COMPLETION SCHEDULE DATE FOR NUREG-0737 ITEM II.B.2.2, "PLANT SHIELDING MODIFICATIONS," AS JANUARY 1, 1984. CONTRARY TO THE ABOVE, THE PORTABLE SHIELDING FOR THE CONTROL ROOM AND C-59 PANEL, NEEDED TO SATISFY THE CRITERIA OF ITEM II.B.2.2, WAS NOT ASSEMBLED AND IN PLACE UNTIL JANUARY 6, 1984. (8401 4)

TECHNICAL SPECIFICATION 15.6.10, "PLANT OPERATING RECORDS," STATES, IN PART, THAT RECORDS RELATIVE TO PERIODIC CHECKS AND INSPECTIONS BE RETAINED. CONTRARY TO THE ABOVE, NO RECORDS OF THE CONTAINMENT HIGH RANGE RADIATION MONITOR IN SITU SOURCE CALIBRATIONS WERE RETAINED. (8401 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 1 - APRIL 15, 1984

INSPECTION REPORT NO: 84-03

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-01/	02/23/84	03/15/84	SNUBBER REMOVED PRIOR TO TS CHANGE.

2	Presenting Presidents Advantation			
S	Reporting reriod: 04/01/2	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact:	STAD (612)	388-1121	
4.	Licensed Thermal Power (M	1t):		1650
5.	Nameplate Rating (Gross M	le):	659 X (0.9 = 593
6.	Design Electrical Rating	(Net MWe):		530
7.	Maximum Dependable Capacit	ty (Gross M	1:e):	534
8.	Maximum Dependable Capacit	ty friet MWe	1:	503
9.	If Changes Occur Above Sin	nce Last Re	port, Give	Reasons:
-	NONE			
10.	Power Level To Which Rest	ricted, If	Any (Net ML	Je):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 90,935.0
13.	Hours Reactor Critical	719.0	2.853.4	74,526.4
14.	Rx Reserve Shtdwn Hrs			5,571.1
15.	Hrs Generator On-Line	719.0	2,832.0	73,213.1
16.	Unit Reserve Shtdwn Hrs	. 0		. 0
17.	Gross Therm Ener (MWH)	1,175,628	4,546,681	114,857,843
18.	Gross Elec Ener (MUH)	389,630	1,521,170	37,400,970
19.	Net Elec Ener (MWH)	366,886	1,440,756	35,032,185
20.	Unit Service Factor	100.0	97.6	80.5
21.	Unit Avail Factor	100.0	97.6	80.5
22.	Unit Cap Factor (MDC Net)	101.4	98.7	76.6
23.	Unit Cap Factor (DER Net)	96.3	93.6	72.7
24.	Unit Forced Outage Rate	. 0	.0	8.3
25.	Forced Outage Hours	0		2,920.9
26.	Shutdowns Sched Over Next	6 Months (Type, Date, D	Ouration):
_	TEN YEAR OVERHAUL IN JANUA	RY 1985.		
27.	If Currently Shutdown Esti	imated Star	tup Date:	N/A



 Report Period APR 1984
 UNIT SHUTDOWNS / REDUCTIONS
 REDUCTIONS
 PRAIRIE ISLAND 1

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

 04/01/84
 S
 0.0
 S
 5
 CONTROL VALVES TEST.

 04/08/84
 S
 0.0
 B
 5
 TURBINE VALVES TEST.

 04/29/34
 S
 0.0
 B
 5
 TURBINE VALVES TEST.

************ PRAIRIE ISLAND 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS * SUMMARY * REPORTED.

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

* PRAIRIE ISLAND 1 *	ACILITY DATA Report Period APR 1984	
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION	
LOCATION STATEMINNESOTA	UTILITY LTCENSEENORTHERN STATES POWER	
COUNTY	CORPORATE ADDRESS	
DIST AND DIRECTION FROM NEAREST POPULATION CTR28 MI SE OF MINNEAPOLIS, MINN	CONTRACTOR ARCHITECT/ENGINEERFLUOR PIONEER, INC.	
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE	
DATE INITIAL CRITICALITYDECEMBER 1, 1973	CONSTRUCTORNORTHERN STATES POWER COMPANY	
DATE ELEC ENER IST GENERDECEMBER 4, 1973	TURBINE SUPPLIERWESTINGHOUSE	
DATE COMMERCIAL OPERATEDECEMBER 16, 1973	REGULATORY INFORMATION	
CONDENSER COOLING METHOD COOLING TOWERS	IE REGION RESPONSIBLEIII	
CONDENSER COOLING WATERMISSISSIPPI RIVER	IE RESIDENT INSPECTORJ. HARD	
ELECTRIC RELIABILITY COUNCILMID-CONTINENT AREA	LICENSING PROJ MANAGERD. DIIANNI DOCKET NUMBER	
AGREEMENT	LICENSE & DATE ISSUANCEDPR-62, APRIL 5, 1974	

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

INSPECTION SUMMARY

INSPECTION ON MARCH 12-15, (84-05): ROUTINE INSPECTION OF PRAIRIE ISLAND NUCLEAR GENERATING PLANT RADIOLOGICAL EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; LICENSEE ACTION ON A PREVIOUSLY-IDENTIFIED ITEM RELATED TO EMERGENCY PREPAREDNESS; AND LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 121 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, ONE SIGNIFICANT EXERCISE WEAKNESS REGARDING THE UNTIMELY EVACUATION OF NON-ESSENTIAL ONSITE PERSONNEL WAS IDENTIFIED AND IS DESCRIBED IN APPENDIX A OF THE INSPECTION REPORT TRANSMITTAL LETTER.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES, IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS AND PRIMARY SYSTEM LEAKS. CONTRARY TO THE ABOVE, NO ALARM ANNUNCIATOR PROCEDURE HAD BEEN ISSUED FOR ALARM 470 THE PRESSURIZER SAFETY/RELIEF VALVE FLOW ALARM, WHICH IS DESIGNED TO DETECT PRIMARY SYSTEM LEAKAGE IN PIPING DOUNSTREAM OR THE PRESSURIZER SAFETY AND RELIEF VALVES. TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES. IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS AND PRIMARY SYSTEM LEAKS. CONTRARY TO THE ABOVE, NO ALARM ANNUNCIATOR PROCEDURE HAD
|--|

1,	Docket: _50-306_ 0	DPERAT	ING S	TATUS						
2.	Reporting Period: _04/01/8	84 Outage	+ On-line	Hrs: 719.0						
3.	Utility Contact: DALE_DUC	GSTAD (612)	388-1121							
4.	Licensed Thermal Power (Mi	4f):		1650						
5.	Nameplate Rating (Gross MWe): 659 X 0.9 = 593									
6.	Design Electrical Rating	(Net MWe):		530						
7.	Maximum Dependable Capacit	ty (Gross M	We):	531						
8.	Maximum Dependable Capaci	ty (Net MWe):	500						
9.	If Changes Occur Above Sin NONE	nce last Re	port, Give	Reasons:						
10.	Power Level To Which Rest	ricted, If	Any (Net Mi	Je):						
11.	Reasons for Restrictions,	If Any:								
	NONE									
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE						
13.	Hours Reactor Critical	719.0	2,903.0	71,153.3						
14.	Rx Reserve Shtdwn Hrs		. 0	1,516.1						
15.	Hrs Generator On-Line	719.0	2,903.0	70,196.2						
16.	Unit Reserve Shtdwn Hrs		. 0	. 0						
17.	Gross Therm Ener (MWH)	1, 139, 416	4,631,555	110,363,413						
18.	Gross Elec Ener (MWH)	376,840	1,551,130	35,658,530						
19.	Net Elec Ener (MWH)	355,349	1,474,420	33,449,303						
20.	Unit Service Factor	100.0	100.0	85.5						
21.	Unit Avail Factor	100.0	100.0	85.5						
22.	Unit Cap Factor (MDC Net)	98.8	101.6	81.5						
23.	Unit Cap Factor (DER Net)	93.3	95.8	76.9						
24.	Unit Forced Outage Rate		. 0	4.3						
25.	Forced Outage Hours		. 0	3,315.5						
26.	Shutdowns Sched Over Next	6 Months (Type,Date,	Duration):						
27	If Currently Shutdown Fet	imated Star	tup Date:	N/A						



APRIL 1984

Report	Period Af	PR 19	84		UN	ΙT	SHU	троы	NS/	R	E	D U	c	ті	0	N	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compone	nt	-		C	aus	ie i	8 C	Corrective Action to Prevent Recurrence
	04/22/84	5	0.0	В	5						TU	RBIN	NE	VAL	VES	5 T	TEST.

*********** PRAIRIE ISLAND 2 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS * SUMMARY * REPORTED.

Type	Reason		Method	System & Component				
F-Forced S-Sched	A-Equip Failure B-Maint or Test C-Refueling D-Regulatory Res E-Operator Train	F-Admin G-Oper Error H-Other triction	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report				

PRAIRIE ISLAND 2 * FACIL	ITY DATA R
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEMINNESOTA	UTILITY LICENSEENORTHERN STATES POWER
COUNTY	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR28 MI SE OF MINNEAPOLIS, MINN	CONTRACTOR ARCHITECT/ENGINEERFLUOR PIONEER, INC.
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYDECEMBER 17, 1974	CONSTRUCTORNORTHERN STATES POWER
DATE ELEC ENER 1ST GENERDECEMBER 21, 1974	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATE DECEMBER 21, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHODCOOLING TOWERS	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERMISSISSIPPI RIVER	IE RESIDENT INSPECTORJ. HARD
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERD. DIIANNI DOCKET NUMBER50-306
AGREEMENT COORDINATION	LICENSE & DATE ISSUANCE DPR-60, OCTOBER 29, 1
	PUBLIC DOCUMENT ROOM ENVIRONMENTAL CONSERV

Report Period APR 1984

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RVATION LIBRARY MINHEAPOLIS PUBLIC LIBRARY 300 NICOLLET MALL MINNEAPOLIS, MINNESOTA 55401 INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 12-15, (84-05): ROUTINE INSPECTION OF PRAIRIE ISLAND NUCLEAR GENERATING PLANT RADIOLOGICAL EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE: LICENSEE ACTION ON A PREVIOUSLY-IDENTIFIED ITEM RELATED TO EMERGENCY PREPAREDNESS; AND LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 121 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, ONE SIGNIFICANT EXERCISE WEAKNESS REGARDING THE UNTIMELY EVACUATION OF NON-ESSENTIAL ONSITE PERSONNEL WAS IDENTIFIED AND IS DESCRIBED IN APPENDIX A OF THE INSPECTION REPORT TRANSMITTAL LETTER.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

***** PRAIRIE ISLAND 2 * *********

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 12-16, 1984

INSPECTION REPORT NO: 84-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
NONE				

1. 1	Docket: <u>50-254</u> 0	PERAT	ING S	TATUS
2. 1	Reporting Feriod: 04/01/8	4_ Outage	+ On-line	Hrs: 719.0
3. 1	Utility Contact:	LER (309)	654-2241	X 192
4 1	Licensed Thermal Power (MW	t):		2511
5. 1	Nameplate Rating (Gross MU	e):	920 X	0.9 = 828
6.1	Design Electrical Rating ()	Net MWe):		789
7. 1	Maximum Dependable Capacit	y (Gross M	1We):	813
8.1	Maximum Dependable Capacit	y (Net MWe	:	769
9. 1	If Changes Occur Above Sin NONE	ce Last Re	eport, Give	Reasons:
10. 1	Power Level To Which Restr	icted, If	Any (Net M	We):
11. 1	Reasons for Restrictions,	If Any:		
	NONE			
12. 6	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 104,927.0
13. 1	lours Reactor Critical	. 0	1,562.1	85,117.7
14. 5	Rx Reserve Shtdun Hrs	.0		3.421.9
15. 1	Hrs Generator On-Line	. 0	1.561.2	81,908.3
16. 1	Unit Reserve Shtdun Hrs	. 0	.0	909.2
17. 0	Gross Therm Ener (MWH)	0	3,659.732	168,766,438
18. 0	Gross Elec Ener (MUH)	0	1,213.148	54.471,876
19. 1	Net Elec Ener (MUH)	-577	1, 152, 373	50,757,633
20. 1	Jnit Service Factor	. 0	53.8	78.1
21. 1	Jnit Avail Factor	. 0	53.8	78.9
22. 1	Init Cap Factor (MDC Net)	. 0	51.6	62.9
23. L	Unit Cap Factor (DER Net)	. 0	50.3	61.3
24. 1	Init Forced Outage Rate	. 0		5.9
25. F	forced Outage Hours	. 0	. 0	2,728.0
26. 5	Shutdowns Sched Over Next (6 Months (Type,Date,I	Duration):
27 1	Consentito Shuldow Fali	and they	Lun Dalas	07/10/04



APRIL 1984

Report	Period Al	PR 19	84		UN	I T	SHU	троы	N S	/ R	ED	u c	τI	0	N S	*****	****	QUA	*** D C ***	NXXXXXX ITIES 1 XXXXXXX	*****	********	
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Comp	onent			Caus	e 8	Co	prrective	Act	ion	to	Prevent	Recu	rrence	
84-14	03/06/84	s	719.0	с	4			RC	FUE	LXX	UNI	MAI	E RE	MAI	NS E.	SHUTDOWN	FOR	END	OF	CYCLE	SEVEN	REFUELING	

********** * SUMMARY * ******* QUAD CITIES CONTINUED A REFUELING AND MAINTENANCE SHUTDOWN DURING ALL OF APRIL.

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

****** QUAD CITIES 1 *********** FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE.....ILLINOIS CHICAGO, ILLINOIS 60690 DIST AND DIRECTION FROM NEAREST POPULATION CTR... 20 MI NE OF CONTRACTOR MOLINE, ILL ARCHITECT/ENGINEER...... SARGENT & LUNDY TYPE OF REACTOR BWR NUC STEAM SYS SUPPLIER. . . GENERAL ELECTRIC DATE INITIAL CRITICALITY... OCTOBER 18. 1971 DATE ELEC ENER 1ST GENER... APRIL 12, 1972 TURBINE SUPPLIER......GENERAL ELECTRIC DATE COMMERCIAL OPERATE.... FEBRUARY 18, 1973 REGULATORY INFORMATION CONDENSER COOLING METHOD... ONCE THRU IE REGION RESPONSIBLE.....III CONDENSER COOLING WATER....MISSISSIPPI RIVER IE RESIDENT INSPECTOR.....A. MADISON ELECTRIC RELIABILITY LICENSING PROJ MANAGER R. BEVAN INTERPOOL NETWORK LICENSE & DATE ISSUANCE..., DPR-29, DECEMBER 14, 1972

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1, THROUGH MARCH 30, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOHUP; INFORMATION NOTICES; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; PROCEDURES; TMI FOLLOWUP; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; UNIT 2 CUTAGE; HEADQUARTERS MEETING; MANAGEMENT MEETING; SHUTDOWN MARGIN DEMONSTRATION; UNUSUAL EVENT; AND REACTOR SCRAMS. THE INSPECTION INVOLVED A TOTAL OF 333 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 20-23, (84-03): ROUTINE UNANNOUNCED INSPECTION OF MAJOR MAINTENANCE AND REFUELING RADIATION PROTECTION ACTIVITIES, INCLUDING: AUDITS AND APPRAISALS, CHANGES, PLANNING AND PREPARATION, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, ALARA, AND PROCEDURES. ALSO REVIEWED WAS THE STATUS OF CERTAIN NUREG-0737 TASK ITEMS. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

*...************** QUAD CITIES 1 × ***********

OTHER ITEMS

1

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 20-23, 1984

INSPECTION REPORT NO: 84-03

REPORTS FROM LICENSEE

NUMBER	DATE OF	DATE OF REPORT	SUBJECT
84-01	1/05/84	03/26/84	UNIT SHUTDOWN DUE TO INOP HPCI SYSTEM & SAFETY RELIEF VALVE FAILURE.
84-03	03/06/84	04/02/84	SPURIOUS LOW WATER LEVEL SCRAM.
84-04	03/16/84	04/06/84	MAIN STEAM ISO. VALVES FAILED LOCAL LEAK RATE TESTS.

1	. Docket: <u>50-265</u>	OPERA	TINGS	TATUS								
2	. Reporting Period:	84 Outag	e + On-line	Hrs: 719.0								
3	. Utility Contact: DAVE KI	MLER (309)	654-2241 X	192								
4	Licensed Thermal Power (M	Wt):		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 Si NONE	nce Last R	eport, Give	Reasons:								
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):								
11.	Reasons for Restrictions,	If Any:										
		MONTH	YEAR									
12.	Report Period Hrs	719.0	2,903.0	104,037.0								
13.	Hours Reactor Critical	628.4	1,617.9	79,535.5								
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	2,985.8								
15.	Hrs Generator On-Line	628.0	1,532.3	76,742.1								
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	702.9								
17.	Gross Therm Ener (MWH)	1,550,038	3,527,321	158,909,409								
18.	Gross Elec Ener (MWH)	506,848	1, 148, 581	50,584,339								
19.	Net Elec Ener (MWH)	482,542	1,090,854	47,425,728								
20.	Unit Service Factor	87.3	52.8	73.8								
21.	Unit Avail Factor	87.3	52.8	74.4								
22.	Unit Cap Factor (MDC Net)	87.3	48.9	59.3								
23.	Unit Cap Factor (DER Net)	85.1	47.6	57.8								
24.	Unit Forced Outage Rate	. 0	6.6	8.6								
25.	Forced Outage Hours		107.7	3,297.8								
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D)uration):								
27.	If Currently Shutdown Esti	imated Star	tup Date:	05/07/84								



APRIL 1984

Report	Period Al	PR 19	84		UN	IT	SHU	TDOW	NS / R	NUCTIONS ************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-13	04/01/84	s	0.0	в	5			НА	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
84-14	04/08/84	s	0.0	в	5			HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
84-15	04/15/84	s	0.0	в	5			HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
85-16	04/17/84	F	0.0	A	5			СН	VALVEX	REDUCED LOAD DUE TO FAILED FEEDWATER REGULATING VALVE.
85-17	04/22/84	s	0.0	в	5			НА	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
85-18	04/27/84	s	91.0	в	1			HF	VALVEX	SHUTDOWN FOR REPAIR OF 2A CIRCULATING WATER PUMP DISCHARG

*********** QUAD CITIES 2 WAS SHUT DOWN ON APRIL 27 FOR REPAIR OF A * SUMMARY * **********

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

WHXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	FACILITY DATA Popul Popul APP 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEILLINOIS	UTILITY LICENSEECOMMONWEALTH EDISON
COUNTYROCK ISLAND	CORFORATE ADDRESS
DIST AND DIRECTION FROM	CHICAGO, ILLINOIS 60690
NEAREST POPULATION CIR20 MI NE OF MOLINE, ILL	CONTRACTOR ARCHITECT/ENGINEERSARGENT & LUNDY
TYPE OF REACTORBWR	NUC STEAM SYS SUPPLIERGENERAL ELECTRIC
DATE INITIAL CRITICALITYAPRIL 26, 1972	CONSTRUCTORUNITED ENG. & CONSTRUCTORS
DATE ELEC ENER 1ST GENERMAY 23, 1972	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEMARCH 10, 1973	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERMISSISSIPPI RIVER	IE RESIDENT INSPECTORA. MADISON
ELECTRIC RELIABILITY COUNCILMID-AMERICA	LICENSING FROJ MANAGERR. BEVAN DOCKET NUMBER50-265
INTERTOOL NETWORK	LICENSE & DATE ISSUANCE DPR-30, DECEMBER 14, 1972
TNS	PUBLIC DOCUMENT ROOMMOLINE PUBLIC LIBRARY 504 17TH STREET MOLINE, ILLINGIS 61265

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1, THROUGH MARCH 30, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOUUP; INFORMATION NOTICES; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; FROCEDURES; THI FOLLOWUP; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; UNIT 2 OUTAGE; HEADQUARTERS MEETING; MANAGEMENT MEETING; SHUTDOWN MARGIN DEMONSTRATION; UNUSUAL EVENT; AND REACTOR SCRAMS. THE INSPECTION INVOLVED A TOTAL OF 333 INSPECTOR-HOURS ONSITE BY TWO NRC

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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k										Q	U	A	D		¢	I	Ţ	I	E	5		2													×
÷	×	×	×	×	×	×	×	×	*	×	×	×	*	×	¥	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	Ħ	×	×	×	×

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR A SCHEDULED MAINTENANCE OUTAGE. STARTUP IS EXPECTED ON 5/03/84.

LAST IE SITE INSPECTION DATE: FEBRUARY 1 - MARCH 30, 1984

INSPECTION REPORT NO: 84-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

1.	Docket: 50-312	OPERA	TINGS	TATUS
2.	Reporting Period: _04/01/	84 Outag	e + On-line	Hrs: 719.
3.	Utility Contact: RON_COL	OMBO (916)	452-3211	
4.	Licensed Thermal Power (M	Wf):	_	2772
5.	Nameplate Rating (Gross M	We):	1070 X	0.9 = 963
6.	Design Electrical Rating	(Net MWe):		918
7.	Maximum Dependable Capaci	ty (Gross)	1We):	917
8.	Maximum Dependable Capaci	ty (Net MW	e):	873
9.	If Changes Occur Above Si NONE	nce Last Re	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
_	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	241.3	2,129.4	46,481.0
14.	Rx Reserve Shtdwn Hrs	477.7		10,081.2
15.	Hrs Generator On-Line	134.3	2,010.6	44,552.8
16.	Unit Reserve Shtdwn Hrs		. 0	1,210.2
17.	Gross Therm Ener (MWH)		4,870,241	110,781,583
18.	Gross Elec Ener (MWH)	105,144	1,624,473	37,020,545
19.	Net Elec Ener (MWH)	89.406	1,518,786	34,893,110
20.	Unit Service Factor	18.7	69.3	56.2
21.	Unit Avail Factor	18.7	69.3	57.8
22.	Unit Cap Factor (MDC Net)	14.2	59.9	50.5
23.	Unit Cap Factor (DER Net)	13.5	57.0	48.0
24.	Unit Forced Outage Rate	81.3		28.0
25.	Forced Outage Hours	584.7	892.4	_ 17,302.4
26.	Shutdowns Sched Over Next	6 Months (Type, Date, D	uration):
	REFUELING, OCTOBER 1984, 3	MONTHS.		
27.	If Currently Shutdown Esti	mated Star	tup Date:	N/A



Report	Period AF	PR 198	84		UN	IT	SHU	TDOW	NS	/ R	E	DU	c	т	I	0 1	4 5	<pre>%************************************</pre>
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compo	nent	=	-	(Cau	se	8	Cor	rective Action to Prevent Recurrence
5	03/19/84	F	584.7	۸	4	84-1	5	HA	XXXX	XX	HY TO FO	DR I	GEN	N E OMP LEM FU	XPI LE IEN	LOS TEL TAI RE	SION D IN TION SIN	N IN EXCITER ENCLOSURE. CORRECTIVE ACTION NCLUDES A CONCERTED EFFORT BY THE DISTRICT N OF VARIOUS RECOMMENDATIONS IN ORDER TO MILAR EVENTS.

********	RANCHO SECO	1 RETURNED	TO POWER	ON APRIL	25 FOLLOWING	A SHUTDOWN
SUMMARY *	FOLLOWING A	HYDROGEN EX	PLOSION	IN EXCITER	ENCLOSURE.	

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

FAC	ILITY DATA	Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION	
LOCATION STATECALIFORNIA	UTILITY LICENSEESACRAMENTO	MUN. UTIL. DISTRICT
COUNTYSACRAMENTO	CORPORATE ADDRESS	EET P.O. BOX 15830
DIST AND DIRECTION FROM	SACRAMENT	TO, CALIFORNIA 95813
NEAREST POPULATION CTR25 MI SE OF SACRAMENTO, CA	CONTRACTOR ARCHITECT/ENGINEERBECHTEL	
TYPE OF REACTOR	NUC STEAM SYS SUPPLIER BABCOCK & P	AILCOX
DATE INITIAL CRITICALITYSEPTEMBER 16, 1974	CONSTRUCTORBECHTEL	
DATE ELEC ENER 1ST GENER OCTOBER 13, 1974	TURBINE SUPPLIERWESTINGHOUS	E
DATE COMMERCIAL OPERATE APRIL 17, 1975	REGULATORY INFORMATION	
CONDENSER COOLING METHODCOOLING TOWERS	IE REGION RESPONSIBLEV	
CONDENSER COOLING WATERFOLSOM CANAL	IE RESIDENT INSPECTORJ. ECKHARD	
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERS. MINER DOCKET NUMBER	
COORDINATING COONCIL	LICENSE & DATE ISSUANCEDPR-54, AUG	GUST 16, 1974
	PUBLIC DOCUMENT ROOMBUSINESS AN SACRAMENTO \$28 I STRE	D MUNICIPAL DEPARTMEN, CITY - COUNTY LIERARY

INSPECTION SUMMARY

INSPECTION STATUS

+ INSPECTION ON NOVEMBER 7-18, 1983 (REPORT NO. 50-312/83-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-312/84-05) AREAS INSPECTED: FOLLOWUP ON INFORMATION NOTICE 84-07; SECURITY EVENTS FOLLOWUP; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTANANCE; PHYSICAL BARRIERS-PROTECTED AREAS; PHYSICAL BARRIERS-VITAL AREAS; SE URITY SYSTEM POWER SYPPLY; ASSESSMENT AIDS: ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ITEMS IDENTIFIED IN PREVIOUS SECURITY INSPECTIONS. THE INSPECTION INVOLVED 34

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 9-13, 1984 (REPORT NO. 50-312/84-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 24 - APRIL 26, 1984 (REPORT NO. 50-312/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

SACRAMENTO, CALIFORNIA 95814

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEM AND COMPONENT PROBLEMS:

+ NONE

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT RESUMED OPERATION ON APRIL 25 FOLLOWING AN OUTAGE WHICH BEGAN ON MARCH 19 WITH A MAIN GENERATOR HYDROGEN EXPLOSION AND FIRE. THE PLANT REACHED 92 PERCENT POWER ON APRIL 27 AND OPERATED AT THAT POWER LEVEL FOR THE BALANCE OF THE MONTH.

LAST IE SITE INSPECTION DATE: 02/24-04/26/84+

INSPECTION REPORT NO: 50-312/84-07+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-07	02-29-84	03-29-84	REACTOR TRIP DUE TO SLOW FEEDWATER SYSTEM RESPONSE AND GRID UPSET
84-08	02-29-84	03-29-84	INABILITY TO ANALYZE CHLORIDES AND BORON USING POST-ACCIDENT SAMPLING SYSTEM
84-09	02-29-84	03-29-84	PARTIAL FAILURE OF LIFTING SLING WHILE HANDLING SPENT FUEL RACK
84-10	03-01-84	03-30-84	PARTIAL PERFORMANCE OF ISOLATION VALVE SURVEILLANCE TEST

	. Docket: <u>50-261</u>	OPERAT	ING S	TATUS
2	Reporting Period: _04/01/	84 Outage	+ On-line	Hrs: 719.
3	. Utility Contact: H. RAY	NORRIS (803	383-4524	
4	Licensed Thermal Power (M	Wt):		2300
5	Nameplate Rating (Gross M	We):	854 X	0.9 = 769
6	Design Electrical Rating	(Net MWe):		700
7.	Maximum Dependable Capaci	ty (Gross M	le):	700
8.	Maximum Dependable Capacit	ty (Net MWe)):	665
9.	If Changes Occur Above Sir NONE	nce Last Rep	port, Give	Reasons:
10.	Power Level To Which Restr	ricted, If /	ny (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 115,349.0
13.	Hours Reactor Critical		616.1	84, 196.8
14.	Rx Reserve Shtdwn Hrs			1,675.5
15.	Hrs Generator On-Line		615.8	82,065.9
16.	Unit Reserve Shtdwn Hrs			23.2
17.	Gross Therm Ener (MWH)	0	783,895	162,875,180
18.	Gross Elec Ener (MWH)	0	246,010	52, 344, 876
19.	Net Elec Ener (MWH)	-2,046	216,787	49,436,411
20.	Unit Service Factor		21.2	71.1
21.	Unit Avail Factor		21.2	71.2
22.	Unit Cap Factor (MDC Net)		11.2	64,4
23.	Unit Cap Factor (DER Net)		10.7	61.2
24.	Unit Forced Outage Rate	.0	17.2	14.6
	Forced Outage Hours	.0	128.2	8,233.5
25.				



Report	Period Al	PR 19	84		UN	IT	SHU	TDO	W	N S	/ 1	RE	DU	ст	I	0	H	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
No.	Date	Type	Hours	Reason	Method	LER	Number	Syst	em	Com	ponent	E		Ça	USP	. 8	C	orrective Action to Prevent Recurrence
0401	01/26/84	5	719.0	С	4			CJ		HT	EXCH	0	ONTI	NUAT	ION	0	F	REFUELING AND STEAM GENERATOR REPLACEMENT

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

* ROBINSON 2 * FAC	ILITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATESOUTH CAROLINA	UTILITY LICENSEECAROLINA POWER & LIGHT
COUNTYDARLINGTON	CORPORATE ADDRESS
DIST AND DIRECTION FROM NEAREST POPULATION CTR5 MI NW OF HARTSVILLE, SC	CONTRACTOR ARCHITECT/ENGINEEREBASCO
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYSEPTEMBER 20, 1970	CONSTRUCTOREBASCO
DATE ELEC ENER 1ST GENERSEPTEMBER 26, 1970	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEMARCH 7, 1971	REGULATORY INFORMATION
CONDENSER COOLING METHODRECIRCULATION	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERROBINSON IMPOUNDMENT	IE RESIDENT INSPECTORS. WEISE
ELECTRIC RELIABILITY COUNCILSOUTHEASTERN ELECTRIC	LICENSING PROJ MANAGERG. REQUA DOCKET NUMBER
KELIABILITT COUNCIL	LICENSE & DATE ISSUANCEDPR-23, SEPTEMBER 23, 1970
	PUBLIC DOCUMENT ROOMHARTSVILLE MEMORIAL LIBRARY

HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 11 - APRIL 10 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 90 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE BULLETIN AND NOTICE FOLLOWUP, STEAM GENERATOR REPAIR ACTIVITIES, ENFORCEMENT ACTION FOLLOWUP, AND INDEPENDENT INSPECTION. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 13 AREAS; THREE VIOLATIONS WERE FOUND IN TWO AREAS (INADEQUATE CORRECTIVE ACTION, PARAGRAPH 3; FAILURE TO ESTABLISH ADEQUATE MAINTENANCE PROCEDURES, PARAGRAPH 10 AND 11).

INSPECTION APRIL 12-13 (84-12): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02) AND SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEM (IEB 79-14). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 4.12.2.A INADEQUATE SURVEILLANCE TESTING OF CONTAINMENT AND SPENT FUEL BUILDING HEPA AND CHARCOAL SYSTEMS WAS CONDUCTED IN THAT A VISUAL INSPECTION FOR INTEGRITY WAS NOT REQUIRED OR CONDUCTED AND INTEGRITY DEFICIENCIES EXISTED WHICH WOULD INVALIDATE RESULTS. (8403 4) Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.5.1.1.1.A VALVE LINEUP PROCEDURES FOR THE EMERGENCY DIESELS WERE NOT MAINTAINED. (8403 5)

AN UNAUTHORIZED INTO A THE REACTOR VESSEL SUMP WITH THE FLUX THIMBLES WITHDRAWN RESULTED IN VIOLATION OF 10CFR20.201(B), TECHNICAL SPECIFICATION 6.11 AND 6.13. THE HP TECHNICIAN FAILED TO PERFORM ADEQUATE RADIATION AND AIRBORNE SURVEYS PRIOR TO THE OPERATOR ENTERING THE SUMP. THE OPERATOR WHO ENTERED THE SUMP DID NOT UNDERSTAND THE RADIATION LEVELS POSSIBLE IN THE SUMP, FAILED TO OBEY THE POSTING STATING NO ENTRY AND FAILED TO OBTAIN A NON-ROUTINE RWP AS REQUIRED BY PROCEDURE HPP-006 WHEN THERE ARE SIGNIFICANT RADIOLOGICAL HAZARDS PRESENT IN THE AREA TO BE WORKED IN. (8405 3)

FAILURE TO MAN DEDICATED SECURITY FORCE POSITION IN CAS (BUTTON MAN). (8406 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR STEAM GENERATORS TUBE BUNDLE REPLACEMENT. +

LAST IE SITE INSPECTION DATE: APRIL 12-13, 1984 +

INSPECTION REPORT NO: 50-261/84-12 +

REPORTS FROM LICENSEE

*********		. = = = = = = = = = = = = = = = = = = =	======================	
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT	
NONE				

1.	Docket: _50-272 0	PERA	TING S	TATUS
2.	Reporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.1
3.	Utility Contact: L. K. MI	LLER (609	935-6000	X4455
4.	Licensed Thermal Power (MW	12):		3338
5.	Nameplate Rating (Gross MW	le):	1300 X	0.9 = 1170
6.	Design Electrical Rating (Net MHe):		1090
7.	Maximum Dependable Capacit	y (Gross)	1We):	1124
8.	Maximum Dependable Capacit	y (Net MW	a):	1079
9.	If Changes Occur Above Sin NONE	ce Last Re	ayort, Give	Reasons:
10.	Power Level To Which Restr	icted, If	Any (Net M	de):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	.0	1,237.6	34,388.8
14.	Rx Reserve Shtdwn Hrs	.0	54.5	3,088.4
15.	Hrs Generator On-Line	. 0	1, 197.8	
16.	Unit Reserve Shtdwn Hrs	.0	0	0
17.	Gross Therm Ener (MWH)	0	3,800,023	99,621,600
18.	Gross Elec Ener (MWH)	0	1,281,380	32,894,278
19.	Net Elec Ener (MWH)	-2,431	1,215,027	31, 186, 339
20	Unit Service Factor	.0	41.3	55.0
21.	Unit Avail Factor	.0	41.3	55.0
22.	Unit Cap Factor (MDC Net)	.0	38.8	48.2
23.	Unit Cap Factor (DER Net)	. 0	38.4	47.7
24.	Unit Forced Outage Rate	100.0	45.8	31.2
25.	Forced Outage Hours	24.0	1,010.2	15,233.5
26.	Shutdowns Sched Over Next (Months (Type,Date,D	uration):
26.	Shutdowns Sched Over Next (NONE	5 Months (Type,Date,D	



APRIL 1984

Report	Period A	PR 19	84		UN	I, T	SHU	TDOW	N	s	1	R	EI	D U	с	T	I O	N	5	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	C	omp	oner	nt			C	au	59	8	Corr	ective Action to Prevent Recurrence
84-172	02/24/84	F	24.0	A	3			HA		GEN	ERA		OTH	HER	GE	NE	RAT	OR	PRO	BLEMS
84-174	04/02/84	s	695.0	с	9			RC		FUE	LXX		NUC	CLE	AR	NO	RMA	L	REFL	JELING.

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

FACILITY DESCRIPTION

LOCATION STATE......NEW JERSEY COUNTY.....SALEM DIST AND CIRECTION 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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY

LICENSEE..... & 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

LICENSE & DATE ISSUANCE.... DPR-70, DECEMBER 1, 1976

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY 112 WEST BROADWAY SALEM, NEW JERSEY 08079 INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period APR 1984 INSPECTION STATUS - (CONTINUED)

******* * SALEM 1 *

OTHER ITEMS

NAGERIAL ITEMS:
INPUT PROVIDED.
ANT STATUS:
INPUT PROVIDED.
ST IE SITE INSPECTION DATE: NO INPUT PROVIDED.
SPECTION REPORT NO: NO INPUT PROVIDED.
REPORTS FROM LICENSEE
NUMBER DATE OF DATE OF SUBJECT Event report
NO INPUT PROVIDED.

1.	Docket: <u>50-311</u>	DPERA	TING S	TATUS								
2.	Reporting Period: 04/01/8	84 Outag	e + On-line	Hre' /19.0								
3.	Utility Contact: L. K. M	ILLER (609	935-6000	X4455								
4.	Licensed Thermal Power (ML	Jt):		3411								
5.	Nameplate Rating (Gross MWe): 1162											
6.	Design Electrical Rating ((Net MWe):		1115								
7.	Maximum Dependable Capacit	y (Gross I	MWe):	1149								
8.	Maximum Dependable Capacit	ty (Net MW	e):	1106								
9.	If Changes Occur Above Sir NONE	nce Last Re	eport, Give	Reasons:								
10.	Power Level To Which Restr	icted, If	Any (Net ML	le):								
11.	Reasons for Restrictions,	If Any:										
	NONE											
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE								
13.	Hours Reactor Critical	161.7	902.7	12,611.2								
14.	Rx Reserve Shtdwn Hrs		1,443.0	3,533.6								
15.	Hrs Generator On-Line	129.3	778.3	12,195.6								
16.	Unit Reserve Shtdwn Hrs			. 0								
17.	Gross Therm Ener (MWH)	406,510	2,470,951	35,942,023								
18.	Gross Elec Ener (MWH)	134,460	804,960	11,673,250								
19.	Net Elec Ener (MWH)	117,694	737,994	11,055,245								
20.	Unit Service Factor	18.0	26.8	54.6								
21.	Unit Avail Factor	18.0	26.8	54.6								
22.	Unit Cap Factor (MDC Net)	14.8	23.0	44.7								
23.	Unit Cap Factor (DER Net)	14.7	22.8	44.4								
24.	Unit Forced Outage Rate	82.0	73.2	34.1								
25.	Forced Outage Hours	589.7	2,124.7	6,307.8								
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,D	uration):								

27. If Currently Shutdown Estimated Startup Date: 05/10/84



APRIL 1984

Report	Period A	PR 19	84		UN	IT	SHU	TDOW	NS	/ R	ED	U	ст	I	0 1	N S	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compo	onent		-	Ca	USP	8	Cor	rective Action to Prevent Recurrence
84-128	04/06/84	F	414.5	A	3			нс	INST	TRU	TUR	BIN	ET	RIP	DE	EVIC	ES (INCLUDING INSTRUMENTS) CONTROL.
84-130	04/23/84	F	40.0	A	9			HH	VALV	/EX	FEE	DWAT	TER	RE	GUI	LATI	NG BOILER LEVEL CONTROL VALVE.
84-132	04/25/84	F	59.5	A	9			WG	HTEX	КСН	HUCI	LEAF	RC	ONT	AIN	MEN	T COOLER/FILTER SYSTEM.
84-134	04/27/84	7	75.6	A	9			нн	VALV	EX	FEE	DIA	TER	RF	GUI	ATT	NG BOTIER LEVEL CONTROL VALVE

********** SALEM 2 WAS SHUT DOWN FROM APRIL 6 DUE TO SEVERAL CAUSES AS * SUMMARY * DISCUSSED ABOVE.

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

****** * SALEM 2 ******** FACILITY DESCRIPTION LOCATION STATE NEW JERSEY DIST AND DIRECTION FROM NEAREST POPULATION CIR... 20 MI S OF WILMINGTON, DEL TYPE OF REACTOR PWR DATE INITIAL CRITICALITY... AUGUST 8, 1980 DATE ELEC ENER 1ST GENER... JUNE 3, 1981 DATE COMMERCIAL OPERATE OCTOBER 13, 1981 CONDENSER COOLING METHOD. . . ONCE THRU CONDENSER COOLING WATER....DELAWARE RIVER ELECTRIC RELIABILITY AREA COUNCIL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE......PUBLIC SERVICE ELECTRIC & GAS

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

LICENSE & DATE ISSUANCE.... DPR-75, MAY 20, 1981

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY 112 WEST BROADWAY SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.A AND REGULATORY GUIDE 1.33, REVISION 2, AT 12:45 P.M. ON FEBRUARY 8, 1984, OPERATING INSTRUCTION II.6.3.2, INITIATING RHR, WAS NOT MAINTAINED, IN THAT THE HOT LEG ISOLATION VALVE, 2RH26, WAS OPENED RATHER THAN 215J49 AND 225J49, THE DISCHARGE VALVES TO THE COLD LEGS, AS REQUIRED BY STEP 5.16 OF THE OPERATING INSTRUCTION. (INADEQUATE SAFETY REVIEW PROCESS). (8408 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

Report Period APR 1984

OTHER ITEMS

FACILITY ITEMS (FLANS 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 LICENSES UMBER DATE OF DATE OF SUBJECT EVENT REPORT NO INPUT PROVIDED.

1.	Docket: <u>50-206</u> 0	PERAT	INGS	TATUS
2.	Reporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: L. I. MA	YWEATHER (714) 492-	7700 X56223
4.	Licensed Thermal Power (MW	t):		1347
5.	Nameplate Rating (Gross MW	e):	500 X	0.9 = 450
6.	Design Electrical Rating (Net MWe):		436
7.	Maximum Dependable Capacit	y (Gross MW	e):	456
8.	Maximum Dependable Capacit	y (Net MWe)		436
9.	If Changes Occur Above Sin	ce Last Rep	ort, Give	Reasons:
	NONE			
10.	Power Level To Which Restr	icted, If A	ny (Net M	We):
11.	Reasons for Restrictions,	If Any:		
-	NONE			
12.	Report Period Hrs	MUNTH 719.0	YEAR 2,903.0	CUMULATIVE 147,943.0
13.	Hours Reactor Critical	. 0	. 0	88,440.8
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	. 0
15.	Hrs Generator On-Line	. 0	. 0	84,821.9
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	. 0
17.	Gross Therm Ener (MWH)	0	0	108,263,946
18.	Gross Elec Ener (MWH)	0	0	36,906,434
19.	Nat Elec Ener (MWH)	-1,634	-8,819	34,932,940
20.	Unit Service Factor	. 0	. 0	55.3
21.	Unit Avail Factor	. 0	. 0	55.3
22.	Unit Cap Factor (MDC Net)	. 0	. 0	52.1
23.	Unit Cap Factor (DER Net)		. 0	52.1
24.	Unit Forced Outage Rate		. 0	21.9
25.	Forced Outage Hours		. 0	11,178.3
26.	Shutdowns Sched Over Next	6 Months (T	ype,Date,I	Duration):
	THE CURRENT OUTAGE BEGAN F	EBRUARY 27,	1982.	
27.	If Currently Shutdown Esti	mated Start	up Date:	10/01/84



APRIL 1984

PAGE 2-262

PERCENT MOC

Report	Period Al	PR 19	84		UN	IT	SHU	троы	NS		R	ED	U	с	TI	I O	N	S # SAN DROFRE 1 #
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Con	ponen	it			C	aus	58	8 (Corrective Action to Prevent Recurrence
78	02/27/82	s	719.0	В	4			ZZ	ZZ	ZZZZ		EXT	END	DED	OL NEC	JTA	GE M/	TO ACCOMPLISH SEISMIC BACKFIT AND AINTENANCE ITEMS.

*****			-	-			-				
	142	24	14	34	14	14	24	14	34	14	14
		75	75		-	~	- 75	25.	75		्र ज

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

* SAN ONOFRE 1 *	ACILITY DATA Report Period APR 198
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATECALIFORNIA	UTILITY LICENSEESOUTHERN CALIFORNIA EDISON
COUNTYSAN DIEGO	CORPORATE ADDRESS
DIST AND DIRECTION FROM HEAREST POPULATION CTR5 MI S OF SAN CLEMENTE, CA	CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTOR	NUC STEAM SYS SUPPLIER WESTINGHOUSE
DATE INITIAL CRITICALITYJUNE 14, 1967	CONSTRUCTORBECHTEL
DATE ELEC ENER 1ST CENERJULY 16, 1967	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEJANUARY 1. 1968	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEV
CONDENSER COOLING WATERPACIFIC OCEAN	IE RESIDENT INSPECTORA. DANGELO
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERW. PAULSON DOCKET NUMBER
COORDINATING COUNCIL	LICENSE & DATE ISSUANCE DPR-13, MARCH 27, 1967
	PUBLIC DOCUMENT ROOMSAN CLEMENTE BRANCH LIBRARY

INSPECTION STATUS

INSPECTION_SUMMARY

+ INSPECTION ON MARCH 1-4, 1984 (REPORT NO. 50-206. 34-08) REPORT BEING FREPARED; TO BE REPORTED NEXT MON"

+ INSPECTION ON APRIL 9-19, 1984 (PORT NO. 50-206/84-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MON.

+ INSPECTION ON APRIL 30 - MAY 4, 1984 (REPORT NO. 50-206/84-10) REPORT BEING PREPARED: TO BE REPORTED NEXT MONTH.

+ INSPECTION APRIL 23 - MAY 12, 1984 (REPORT NO. 50-206/84-11) REPORT BEING PREPARED; TO BE REFORTED NEXT MONTH.

ENFORCEMENI MMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

242 AVENIDA DEL MAR

SAN CLEMENTE, CALIFORNIA 92672

Report Period APR 1984

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

THE PLANT HAS REMAINED SHUTDOWN SINCE LATE FEBRUARY 1982, FOR SEISMIC UP-GRADING, TMI MODIFICATIONS, STEAM GENERATOR TUBE RE-EVALUATION, EMERGENCY CORE COOLING SYSTEM TESTS, AND ROUTINE MAINTENANCE. THESE PROJECTS ARE NEARING COMPLETION AND RESTART IS AWAITING NRC RESOLUTION OF THE SEISMIC ISSUE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT HAS BEEN IN COLD SHUTDOWN SINCE FEBRUARY 1982, FOR EXTENSIVE SEISMIC REWORK. IN JUNE 1983, THE LICENSEE SUBMITTED TO NRR DESCRIPTIONS OF TWO PLANS FOR SONGS UNIT 1 AS WELL AS AN INDICATION OF THE CONTINUING ACTIONS WHICH WILL BE TAKEN UNTIL THE RESUMPTION OF POWER OPERATION. GENERALLY, THE LICENSEE WILL CONTINUE WORK TO COMPLETE NECESSARY MODIFICATIONS TO MAINTAIN THE PLANT IN MODE 5. AT THIS POINT, MODIFICATION EFFORTS WILL CEASE, AND A HOLD ON UNIT 1 ACTIVITIES WILL BE ASSUMED UNTIL AN ACCORD IS REACHED WITH NRR ON THE PLAN FOR RETURNING UNIT 1 TO POWER.

LAST IE SITE INSPECTION DATE: 04/23-05/12/84+

INSPECTION REPORT NO: 50-206/84-11+

REPORTS FROM LICENSEE

NUMBER DATE OF DATE OF SUBJECT EVENT REPORT SECURITY DFFICER AT CAS FOUND SLEEPING (RPT 0402-84-0310) (SPECIAL REPORT) 04-02-84 04-02-84 04-03-84 EMERGENCY AIR TREATMENT SYS INITIATED DUE TO TEAR GAS DRIFTING ON SITE 84-01 02-15-84 03-16-84 84-04 02-21-84 03-22-84 FAILURE OF CONTROL STATION ENVIRONMENTAL AIR SAMPLER

1.	Docket: 50-361	OPERAT	INGS	TATUS
2.	Reporting Period: _04/01/	84 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: I. M.	AYWEATHER	(714) 492-7	700 X56223
4.	Licensed Thermal Power (M	Wf):		3410
5.	Nameplate Rating (Gross M	We):	1127	
6.	Design Electrical Rating	(Net MWe):		1070
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1127
8.	Maximum Dependable Capaci	ty (Net MWe	:	1070
9.	If Changes Occur Above Si	nce Last Re	port, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net ML	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	719.0	2,022.4	4,635.1
14.	Rx Reserve Shtdwn Hrs			(
15.	Hrs Generator On-Line	719.0	1,948.2	4,509.9
16.	Unit Reserve Shtdwn lirs	. 0		(
17.	Gross Therm Ener (MWH)	2,387,071	6,289,695	14,783,230
18.	Gross Elec Ener (MWH)	812,690	2,147,272	5,059,236
19.	Net Elec Ener (MWH)	776,077	2,027,790	4,803,434
20.	Un't Service Factor	100.0	67.1	70.4
21.	Unit Avail Factor	100.0	67.1	70.4
22.	Unit Cap Factor (MDC Net)	100.9	65.0	70.1
23.	Unit Cap Factor (DER Net)	100.9	65.0	70.1
24.	Unit Forced Cutage Rate	. 0	7.4	5.4
25.	Forced Outage Hours		156.8	257.7
26.	Shutdowns Sched Over Next	6 Months (Type,Date.D	Juration):
	REFUELING, SEPTEMBER 1984	, 2 MONTH D	URATION.	
27	If Currently Shutdown Est	imated Star	tup Date:	N/A



APRIL 1984

Report	Period	AP	R 198	84			UN	IT		5 H	U	TI	DC	W	N	s	1	R	E	DU	c	T	IO	N	s	****	***	****	*** SAN ***	****** ONOFR *****	**** E 2 ***	*****	*****	*
No.	Date		Type	Hours	Reason	Met	hod	LE	2 No	umb	er	5	yst	em	C	omp	oner	nt	_		1	Cau	58	8	Cor	rectiv	e A	ctio	n t	o Prev	ent	Recur	rence	
NONE																																		

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

UTILITY & CONTRACTOR INFORMATION UTILITY LICENSEESOUTHERN CALIFORNIA EDISON CORPORATE ADDRESSP.O. BOX 800 ROSEMEAD, CALIFORNIA 91770
UTILITY LICENSEESOUTHERN CALIFORNIA EDISON CORPORATE ADDRESSP.O. BOX 800 ROSEMEAD, CALIFORNIA 91770
CORPORATE ADDRESSP.O. BOX 800 ROSEMEAD, CALIFORNIA 91770
CONTRACTOR ARCHITECT/ENGINEERBECHTEL
NUC STEAM SYS SUPPLIERCOMBUSTION ENGINEERING
CONSTRUCTORBECHTEL
TURBINE SUPPLIERGENERAL ELECTRIC COM (ENG VERSION)
REGULATORY INFORMATION
IE REGION RESPONSIBLEV
IE RESIDENT INSPECTORA. CHAFFEE
LICENSING PROJ MANAGERH. ROOD DOCKET NUMBER
LICENSE & DATE ISSUANCE, SEPTEMBER 7, 1982

PUBLIC DOCUMENT ROOM......SAN CLEMENTE LIBRARY 242 AVENIDA DEL MAR SAN CLEMENTE, CALIFORNIA

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 22-26, AND OCTOBER 31 - NOVEMBER 4, 1983 (REPORT NO. 50-361/83-30) AREAS INSPECTED: SPECIAL, UNANNOUNCED INSPECTION BY A REGIONAL INSPECTOR OF ALLEGATIONS CONCERNING MECHANICAL SHOCK ARRESTORS. REGION V ALLEGATION TRACKING SYSTEM NUMBER RV-83-A-0026. THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 26-30, 1984 (REPORT NO. 50-361/84-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-361/84-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LIQUID AND GASEOUS RADIOACTIVE WASTE SYSTEMS FOCUSING ON RELIABILITY OF PROCESS AND EFFLUENT MONITORING INSTRUMENTATION. THE INSPECTION ALSO INCLUDED FOLLWOUP ON PREVIOUS INSPECTOR FINDINGS AND ONE ITEM OF NONCOMPLIANCE. LER'S RELATED TO RADIATION MONITORS WERE EXAMINED AND CLOSED. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 1 - APRIL 3, 1984 (REPORT NO. 50-361/84-11) REPORT BEING PREPARED; ") BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-361/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

PAGE 2-268

Report Period APR 1984
Report Period APR 1984

INSPECTION SUMMARY

+ INSPECTION ON APRIL 23-27, 1984 (REPORT NO. 50-361/84-13) 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:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED FEBRUARY 16, 1982. THE FULL POWER FACILITY OPERATING LICENSE WAS ISSUED SEPTEMBER 7, 1982, AS AMENDEMENT 7 TO THE LOW POWER LICENSE. THE PLANT COMMENCED COMMERCIAL OPERATION ON AUGUST 7, 1983.

PLANT STATUS:

STEADY OPERATION AT FULL POWER; PROBLEMS BEING EXPERIENCED WITH SEALS ON ONE REACTOR COOLANT PUMP.

LAST IE SITE INSPECTION DATE: 05/14-18/84+

INSPECTION REPORT NO: 50-361/84-12+

Report Period APR 1984 REPORTS FROM LICENSEE

IUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
2-17-84	02-17-84	02-21-84	SECURITY COMPUTER SYSTEM INOPERATIVE FOR 24 MINUTES (0217-84-0255)(SPECIAL REPORT)
3-15-84	03-15-84	03-20-84	VA PORTAL T3-353 IN CONSTANT ALARM FOR 13 HOURS, PORTAL WAS LOCKED (SPECIAL REPORT)
4-01	01-11-84	02-28-84	FIRE PROTECTION PROGRAM NONCONFORMANCE REPORTS
4-02	01-30-84	02-28-84	CONTAINMENT PURGE ISOLATION SYSTEM SPURIOUSLY ACTUATED
4-03	01-22-84	02-21-84	CONTAINMENT PURGE ISOLATION SYSTEM ACTUATION
4-04	01-16-84	02-15-84	SPURIOUS CONTAINMENT PURGE ISOLATION SIGNAL
4-05	01-27-84	03-01-84	FAILURE TO ESTIMATE FLOW RATE EVERY FOUR HOURS
4-06	02-03-84	02-28-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM ACTUATIONS
4-07	02-03-84	03-05-84	TRAINS A&B MSIS SPURIOUS AC.UATIONS ON A LOW PRESSURE SIGNAL
4-08	02-11-84	03-12-84	INADVERTENT MODE THREE ENTRY
4-09	02-14-84	03-15-84	DECALIBRATION OF CALCULATED STATIC THERMAL POWER
4-10	02-23-84	03-26-84	PARTIAL LOSS OF EXTRACTION STEAM WATER HEATING
4-11	02-25-84	03-22-84	CPIS ACTUATED DUE TO WATER IN GAS DETECTOR CELL
4-12		04-02-84	TOXIC GAS ISOLATION SYSTEM SPURIJUS ACTUATION
4-13	03-05-84	04-02-84	CONTAINMENT NEGATIVE PRESSURE LIMIT EXCEEDED
4-14	03-06-84	04-05-84	REACTOR COOLANT SYSTEM FLOW RATE IMPROPERLY VERIFIED
4-15	03-06-84	04-05-84	FIRE PROTECTION PROGRAM DISCREPANCIES
4-16	03-09-84	03-30-84	INADVERTENT ESF ACTUATIONS

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1.	Docket: _50-362	OPERA	TINGS	TATUS
2.	Reporting Period: 04/01/	84 Outage	e + On-line	Hrs. 719.
3.	Utility Contact: L. I. M	AYWEATHER	(714) 492-1	700 X56223
4.	Licensed Thermal Power (M	Wt):		3390
5.	Nameplate Rating (Gross M	We):		1127
6.	Design Electrical Rating	(Net MWe):		1080
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1127
8.	Maximum Dependable Capaci	ty (Net MWa	2):	1080
9.	If Changes Occur Above Si	nce Last Re	eport, Give	Reasons:
	MDC NET & DER REFLECT AU	XILIARY STA	TION LOADS.	
10.	Power Level To Which Rest	ricted, If	Any (Net Mk	le):
11.	Reasons for Restrictions,	If Any:		
1	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR	CUMULATIV
13.	Hours Reactor Critical	719.0	719.0	719.
14.	Rx Reserve Shtdwn Hrs		. 0	
15.	Hrs Generator On-Line	674.2	674.2	674.
16.	Unit Reserve Shtdwn Hrs	0		
17.	Gross Therm Ener (MWH)	2, 185, 194	2, 185, 194	2, 185, 19
18.	Gross Elec Ener (MWH)	730,554	730,554	730,55
19.	Net Elec Ener (MWH)	693,292	693,292	693,29
20.	Unit Service Factor	93.8	93.8	93.1
21.	Unit Avail Factor	93.8	93.8	93.8
22.	Unit Cap Factor (MDC Net)	89.3	89.3	89.3
23.	Unit Cap Factor (DER Net)	89.3	89.3	89.
24.	Unit Forced Outage Rate			
25.	Forced Outage Hours			
26.	Shutdowns Sched Over Next	6 Months (Type, Date. D	uration):



APRIL 1984

Report	Period Af	PR 19	84		UN	ΙT	SHU	TDO		5 /	R	ED	U	ст	1 0	N	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	n Cor	npone	nt			Çau	50	8 C	Corrective Action to Prevent Recurrence
3	03/30/84	s	44.8	В	4							CON	TIN	ITAU	ON	OF	SCHEDULED MAINTENANCE OUTAGE.

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

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

FACILITY DATA

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....SOUTHERN CALIFORNIA EDISON

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

CONTRACTOR

ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. CHAFFEE

LICENSE & DATE ISSUANCE...., NOVEMBER 15, 1982

PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY 242 AVENIDA DEL MAR SAN CLEMENTE, CALIFORNIA INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 22 - SEPTEMBER 16, 1983 (REPORT NO. 50-362/83-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 26-30, 1984 (REPORT NO. 50-362/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-362/84-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LIQUID AND GASEOUS RADIOACTIVE WASTE SYSTEM FOCUSING ON RELIABILITY OF PROCESS AND EFFLUENT MONITORING INSTRUMENTATION. THE INSPECTION ALSO INCLUDED FOLLOWUP ON PREVIOUS INSPECTOR FINDINGS AND ONE ITEM OF NONCOMPLIANCE. LER'S RELATED TO RADIATION MONITORS WERE EXAMINED AND CLOSED. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 1 - APRIL 3, 1984 (REPORT NO. 50-362/84-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-362/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

Report Period APR 1984

Report Period APR 1984

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ABNORMALLY HIGH RADIATION LEVELS OBSERVED IN REACTOR COOLANT SYSTEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

SEVEN WEEK OUTAGE FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED NOVEMBER 15, 1982. THE FULL POWER LICENSE WAS ISSUED SEPTEMBER 16, 1983.

PLANT STATUS:

INITIAL CRITICALITY WAS AUGUST 29, 1983. POWER ASCENSION TESTING WAS COMPLETED ON JANUARY 6, 1984. THE UNIT WILL NOW BE SHUT DOWN FOR ABOUT SEVEN WEEKS FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 05/14-18/84+

INSPECTION REPORT NO: 50-362/84-12+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
03-29-84	03-29-84	04-03-84	COMPENSATORY WATCHMAN FOUND ASLEEP (RPT 0329-84-0910)(SPECIAL REPORT)
84-01	01-01-84	01-31-84	ALARM OF UNIT 2/3 AREA RADIATION AND PLANT VENT STACK MONITORS
84-02	01-07-84	02-06-84	CEA 64 SLIPPED 30 INCHES
84-03	01-07-84	02-06-84	REACTOR TRIP DUE TO CONTROL ELEMENT ASSEMBLY SLIP
84-04	02-22-84	03-22-84	INADVERTENT SAFETY INJECTION DUE TO DIRTY CONTACTS ON PUSHBUTTON
84-05	01-06-84	02-06-84	DOSE EQUIVALENT I-131 GREATER THAN 1.0 MICROCURIE/GRAM

1. Docket: 50-327	OPERA	TINGS	TATUS
2. Reporting Period: _04/01/	184 Outag	e + On-line	Hrs: 719.
3. Utility Contact: MIKE EL	DINGS (615) 870-6248	
4. Licensed Thermal Power (M	3411		
5. Nameplate Rating (Gross M	1220		
6. Design Electrical Rating	(Net MWe):		1148
7. Maximum Dependable Capaci	ty (Gross)	MWe):	1183
8. Maximum Dependable Capaci	ty (Net MW	e):	1148
9. If Changes Occur Above Si NONE	nce Last R	eport, Give	Reasons:
10. Power Level To Which Rest	ricted, If	Any (Net M	we):
11. Reasons for Restrictions,	If Any:		
NONE			
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13. Hours Reactor Critical	86.9	1,101.8	15,543.2
14. Rx Reserve Shtdwn Hrs	0		(
15. Hrs Generator On-Line		1,000.1	15,113.2
16. Unit Reserve Shtdwn Hrs	0	0	0
17. Gross Therm Ener (MWH)	44,927	2,915,235	48,407,035
18. Gross Elec Ener (MWH)	11,540	967,690	16,348,826
19. Net Elec Ener (MWH)	7,084	922, 151	15,699,079
20. Unit Service Factor	5.4		60.8
21. Unit Avail Factor	5.4		60.8
22. Unit Cap Factor (MDC Net)		27.7	55.1
23. Unit Cap Factor (DER Net)		27.7	55.1
24. Unit Forced Outage Rate	87.8	35.2	20.6
25. Forced Outage Hours	280.4	542.6	3,923.3
26. Shutdowns Sched Over Next NONE	6 Months (Type, Date, D	uration):
27. If Currently Shutdown Esti	mated Star	tup Date:	05/12/84



APRIL 1984

Report	Period A	PR 19	84		UN	I T	SHU	TDOW	NS	s /	R	E	D	0 0	ст	1		N	s	**************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Con	npone	int	-			Ca	10	58	8 (or	rective Action to Prevent Recurrence
5	02/20/84	s	399.8	c	4							RE	EFU	ELI	INC	3 0	001	AGI	EC	ORE #2 CUNCLUDES.
6	04/17/84	F	15.0		3							ST	TAT	OR	co	001	LI	IG I	JAT	ER PUMP FAILURE.
7	04/19/84	F	265.4	A	3							TH	MIH	BL	EG	GUI	ID	ETI	JBE	LEAK AT SEAL TABLE.

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

PAGE 2-277

******* SEQUOYAH 1 ****** FACILITY DATA Report Period APR 1984 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE.....TENNESSEE CHATTANOOGA, TENNESSEE 37401 DIST AND DIRECTION FROM NEAREST FOPULATION CTR ... 9.5 MI NE OF CONTRACTOR CHATTANOOGA, TN ARCHITECT/ENGINEER..... TENNESSEE VALLEY AUTHORITY TYPE OF REACTOR PWR NUC STEAM SYS SUPPLIER. .. WESTINGHOUSE DATE INITIAL CRITICALITY...JULY 5, 1980 DATE ELEC ENER 15T GENER...JULY 22, 1980 TURBINE SUPPLIER WESTINGHOUSE DATE COMMERCIAL OPERATE JULY 1, 1981 REGULATORY INFORMATION CONDENSER COOLING METHOD ... ONCE THRU IE REGION RESPONSIBLE.....II CONDENSER COOLING WATER.... CHICKAMAUGA LAKE IE RESIDENT INSPECTOR E. FORD ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....C. STAHLE DOCKET NUMBER 50-327 RELIABILITY COUNCIL LICENSE & DATE ISSUANCE.... DPR-77, SEPTEMBER 17, 1980 PUBLIC DOCUMENT ROOM......CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY 1001 BROAD STREET CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 20-22 (84-09): THIS INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A REGULAR SHIFT PERIOD; ONE INSPECTION HOUR WAS ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF FOUR SECURITY CONCERNS RELATIVE TO ACCESS CONTROLS AND BARRIERS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE FOUR AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO CONTROL PROTECTED AREA BADGES (84-09-01).

ENFORCEMENT SUMMARY

LICENSEE TECHNICAL SPECIFICATIONS STATE IN PARAGRAPH 6.11, RADIATION PROTECTION PROGRAM, THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. LICENSEE PROCEDURE SQNP, RCI-14, RADIATION WORK PERMIT (RWP) PROGRAM. STATES IN PARAGRAPH IIID THAT IF AN RWP TIMESHEET IS POSTED AT THE AREA, HEALTH PHYSICS SHALL MEET THE REQUIREMENTS PRESCRIBED ON THE PERMIT. RWP NO. 02-01-00001, ISSUED JANUARY 9, 1984, FOR REPAIR OF DAMAGED TRACK IN THE FUEL TRANSFER CANAL STATES OBEY ALL INSTRUCTIONS ON THE RWP AND DO NOT EXCEED 250 MREM PER DAY. CONTRARY TO THE ABOVE, TIMESHEET NO. 005 SHOWS THAT DURING THE PERIOD JANUARY 9 - 13, 1984, THREE INDIVIDUALS MADE FOUR ENTRIES INTO THE TRANSFER CANAL. IN WHICH THEY RECEIVED EXPOSURES IN EXCESS OF 250 MREM/DAY, RANGING FROM 400 TO 625 MREM.

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	SEQUOYAH 1	×
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ENFORCEMENT SUMMARY

FAILURE TO CONTROL PROTECTED AREA BADGES. (8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

HONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OUTAGE FOR REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 20-22, 1984 +

INSPECTION REPORT NO: 50-327/84-09 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-017/	02/27/84	03/27/84	HIGH RADIATION ALARM WAS ACTUATED, SMALL AMOUNT OF RADIATION ESCAPED.
84-019/	03/07/84	04/04/84	ANALYSIS OF ICE WEIGHTS INDICATED ONE GROUP-ROW AVERAGE BASKET WEIGHT WAS BELOW THE DESIGN LIMIT, DUE TO NORMAL SUBLIMATION OF ICE.
84-020/	03/09/84	04/09/84	HIGH RADIATION ALARM ACTUATED CAUSING A CONTAINMENT VENTILATION ISOLATION TO OCCUR, DUE TO A BREAKER FAILURE.
84-021/	03/22/84	04/20/84	HIGH RADIATION ALARM ACTUATED CAUSING AUX BUILDING ISOLATION TO OCCUR, DUE TO THE MOVEMENT OF CONTAMINATED C-ZONE CLOTHING/TRASH BY MONITOR.

1. Docket: 50-328	OPERA	TINGS	TATUS
2. Reporting Period: _04/01.	184 Outag	e + On-line	Hrs: 719.
3. Utility Contact:	DUPREE (615) 870-6543	
4. Licensed Thermal Power (!	MWf):		3411
5. Nameplate Rating (Gross)	MWe):		1220
6. Design Electrical Rating	(Net MWe):		1148
7. Maximum Dependable Capaci	ity Gross I	MWe):	1183
8. Maximum Dependable Capaci	ity (Net MW	e):	1148
9. If Changes Occur Above Si	nce Last R	eport. Give	Reasons:
NONE			
10. Power Level To Which Rest	ricted. If	Any (Not M	(a):
11 Possons for Postrictions	76 4	any thet h	NG).
NONE	IT Any.	100 C	
NUME			
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIV 16,800.
13. Hours Reactor Critical	719.0	2,842.8	13,203.
14. Rx Reserve Shtdwn Hrs			
15. Hrs Generator On-Line	719.0	2,838.6	12,993.1
16. Unit Reserve Shtdwn Hrs			(
17. Gross Therm Ener (MWH)	2,449,814	9,598,160	42,016,227
18. Gross Elec Ener (MWH)	844,050	3,321,520	14,353,460
19. Net Elec Ener (MWH)		3,203,403	13,821,141
20. Unit Service Factor	100.0	97.8	77.3
21. Unit Avail Factor	100.0	97.8	77.3
22. Unit Cap Factor (MDC Net)	98.3	96.1	71.7
23. Unit Cap Factor (DER Net)	98.3	96.1	71.7
24. Unit Forced Outage Rate		2.2	8.2
25. Forced Outage Hours		64.4	1, 166.2
6. Shutdowns Sched Over Next	6 Months (Type, Date, D	uration):
SEPTEMBER 5, 1984 REFUELIN	G/MODIFICA	TION	
7. If Currently Shutdown Esti	mated Star	tun Date:	N/A



Report Period APR 1984	UNIT SHU	JTDOWNS / REDUCTIONS * SEQUOYAH 2 * *********************************
No. Date Type Hours Reason	Method LER Number	System Component Cause & Corrective Action to Provent Recurrence

NONE

SEQUOYAH 2 EXPERIENCED NO SHUTDOWNS OR POWER REDUCTIONS IN APRIL. *********** * SUMMARY * *********

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

FACILITY DESCRIPTION	Report Period APR 1984
LAGALLI PLOCATI ION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATETENNESSEE	UTILITY LICENSEETENNESSEE VALLEY AUTHORITY
COUNTY	CORPORATE ADDRESS
DIST AND DIRECTION FROM	CHATTANOOGA, TENNESSEE 37401
NEAREST POPULATION CTR9.5 MI NE OF CHATTANOOGA, TN	CONTRACTOR ARCHITECT/ENGINEERTENNESSEE VALLEY AUTHORITY
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYNOVEMBER 5, 1981	CONSTRUCTOR
DATE ELEC ENER 1ST GENERDECEMBER 23, 1981	TURBINE SUPPLIERWESTINGHOUSE
DATE COMMERCIAL OPERATEJUNE 1, 1982	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERCHICKAMAUGA LAKE	IE RESIDENT INSPECTORE. FORD
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERC. STAHLE DOCKET NUMBER
Accepterit councie	LICENSE & DATE ISSUANCE DPR-79, SEPTEMBER 15, 1981
	PUBLIC DOCUMENT ROOMCHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
INSPEC	TION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 20-22 (84-09): THIS INSPECTION INVOLVED & INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A REGULAR SHIFT PERIOD; ONE INSPECTION HOUR WAS ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF FOUR SECURITY CONCERNS RELATIVE TO ACCESS CONTROLS AND BARRIERS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE FOUR AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO CONTROL PROTECTED AREA BADGES (84-09-01).

ENFORCEMENT SUMMARY

LICENSEE TECHNICAL SPECIFICATIONS STATE IN PARAGRAPH 6.11, RADIATION PROTECTION PROGRAM, THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. LICENSEE PROCEDURE SQNP, RCI-14, RADIATION WORK PERMIT (RWP) PROGRAM, STATES IN PARAGRAPH IIID THAT IF AN RWP TIMESHEET IS POSTED AT THE AREA. HEALTH PHYSICS SHALL MEET THE REQUIREMENTS PRESCRIBED ON THE PERMIT. RWP NO. 02-01-00001, ISSUED JANUARY 9, 1984, FOR REPAIR OF DAMAGED TRACK IN THE FUEL TRANSFER CANAL STATES OBEY ALL INSTRUCTIONS ON THE RWP AND DO NOT EXCEED 250 MREM PER DAY. CONTRARY TO THE ABOVE, TIMESHEET NO. 005 SHOWS THAT DURING THE PERIOD JANUARY 9 - 13, 1984, THREE INDIVIDUALS MADE FOUR ENTRIES INTO THE TRANSFER CANAL IN WHICH THEY RECEIVED EXPOSURES IN (8404 4) Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

FAILURE TO CONTROL PROTECTED AREA BADGES. (8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS: NONE FACILITY ITEMS (PLANS AND PROCEDURES): NONE MANAGERIAL ITEMS: NONE PLANT STATUS: 100% LAST IE SITE INSPECTION DATE: MARCH 20-22, 1984 + INSPECTION REPORT NO: 50-328/84-09 + REPORTS FROM LICENSEE SUBJECT NUMBER DATE OF DATE OF REPORT EVENT _____ 84-003/ 02/27/84 03/27/84 VITAL INVERTER FAILED DUE TO A BLOWN FUSE, PERSONNEL PERFORMED AN INCORRECT CONNECTION.

1. Dock	et: <u>50-335</u>	PERAT	ING S	TATUS							
2. Repo	rting Period: 04/01/8	4 Outage	+ On-line	Hrs: 719.0							
3. Util	ity Contact: N. W. GR	RANT (305)	552-3675								
4. Lice	nsed Thermal Power (ML	4t):		2700							
5. Name	plate Rating (Gross MM	le):	1000 X	0.89 = 890							
6. Desi	. Design Electrical Rating (Net MWe):										
7. Maxi	. Maximum Dependable Capacity (Gross MWe):										
8. Maxi	mum Dependable Capacit	y (Net MWe):	822							
9. If C	hanges Occur Above Sin	ce Last Rep	port, Give	Reasons:							
687	INCREASED 5/25/83 BASE	D ON WATER	TEMPS								
18. Powe	r Level To Which Restr	icted, If	Any (Net M	le):							
11. Reas	ons for Restrictions,	If Any:									
NONE											
12. Repo	rt Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE							
13. Hour	s Reactor Critical	53.6	53.6	44,519.9							
14. Rx R	eserve Shtdwn Hrs		. 0	205.3							
15. Hrs	Generator On-Line			43,576.9							
16. Unit	Reserve Shtdwn Hrs										
17. Gros	s Therm Ener (MWH)	0	0	108,667,938							
18. Gros	s Elec Ener (MWH)	0	0	35, 373, 875							
19. Net	Elec Ener (MWH)	-6,652	-15,206	33, 314, 494							
20. Unit	Service Factor	. 0		67.5							
21. Unit	Avail Factor			67.6							
22. Unit	Cap Factor (MDC Net)	. 0		62.8							
23. Unit	Cap Factor (DER Net)	.0		62.2							
24. Unit	Forced Outage Rate			4.6							
25. Force	ed Outage Hours			2,104.7							
26. Shute	downs Sched Over Next	6 Months (1	ype,Date,D	uration):							
27 16 0	urrently Shutdown Feti	mated Start	un Date:	05/16/84							



Report	Period A	PR 19	84		UN	ΙT	SHU	TDOW	N	s /	R	EI	DU	c	T	1 (1 5	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx * ST LUCIE 1 * xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Ce	ompone	int			(Cau	59	8	Cor	rective Action to Prevent Recurrence
03	02/26/83	s	719.0	с	4			RC	F	FUELXX	•	UN ANI DUI THI	IT D S RIN E R	#1 CHI G EAO	PR EDU THE CTO	EP/ LEI PI	ARE	ALIN	O RETURN TO POWER FOLLOWING REFUELING ITENANCE. THE REACTOR WAS MADE CRITICAL BUT THE UNIT WAS NOT PLACED ON LINE AND IBSEQUENTLY SHUTDOWN AGAIN.

********** ST. LUCIE 1 PREPARED IN APRIL TO RETURN TO POWER FOLLOWING * SUMMARY * REFUELING AND MAINTENANCE.

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

**** ST LUCIE 1 ****** FACILITY DATA FACILITY DESCRIPTION LOCATION UTTITTY STATE.....FLORIDA DIST AND DIRECTION FROM NEAREST POPULATION CTR...12 MI SE OF CONTRACTOR FT. PIERCE, FLA TYPE OF REACTOR PWR DATE INITIAL CRITICALITY... APPIL 22, 1976 DATE ELEC ENER 1ST GENER...MAY 7, 1976 DATE COMMERCIAL OPERATE.... DECEMBER 21, 1976 **PEGULATORY INFORMATION** CONDENSER COOLING METHOD... ONCE THRU CONDENSER COOLING WATER ATLANTIC OCEAN ELECTRIC RELIABILITY COUNCIL SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

LICENSEE......FLORIDA POWER & LIGHT

MIAMI, FLORIDA 33152

ARCHITECT/ENGINEER......EBASCO

NUC STEAM SYS SUPPLIER ... COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. SELLS DOCKET NUMBER 50-335

LICENSE & DATE ISSUANCE.... DPR-67, MARCH 1, 1976

PUBLIC DOCUMENT ROOM...... INDIAN RIVER COMMUNITY COLLEGE LIBRARY **3209 VIRGINIA AVENUE** FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 11 - MARCH 10 (84-08): THIS ROUTINE INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, IE BULLETINS, REFUELING OPERATIONS, FIRE BRIGADE RESPONSE. SEQUENCE OF EVENTS RECODER, AND TMI ACTION ITEMS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 19-23 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; NON-LICENSED PERSONNEL TRAINING; LICENSED OPERATOR REQUALIFICATION TRAINING; DESIGN CHANGES; PROCUREMENT CONTROL; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT AND MATERIALS; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS: ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO MAINTAIN RECORDS, PARAGRAPH 6.A).

INSPECTION MARCH 11 - APRIL 10 (84-10): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, MAINTENANCE OBSERVATION, IE BULLETINS, ONSITE REVIEW COMMITTEE, OFFSITE REVIEW COMMITTEE, ONSITE ORGANIZATION AND ADMINISTRATION, DESIGN CHANGES, FIRE PROTECTION, REFUELING ACTIVITIES, FOLLOWUP ON TMI ACTION PLAN ITEMS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period APR 1984

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS :

DURING REFUELING OUTAGE, THE THERMAL SHIELD WITHIN THE REACTOR VESSEL WAS FOUND TO BE BROKEN. THE SHIELD IS BEING REMOVED.

FACILITY ITEMS (PLANS AND PROCEDURES):

EXTENDED OUTAGE, RESTART PLANNED IN EARLY 1984.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 11 - APRIL 10, 1984 +

INSPECTION REPORT NO: 50-335/84-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-001/	03/07/84	04/06/84	DESIGN PROBLEM WAS DISCOVERED ON DIESEL GENERATOR LOADING SEQUENCE, IT IS INTENDED TO BYPASS 8 SEC. TIME DELAY DURING LOSS OF OFFSITE POWER.

	Docket: 50-389	OPERA	TING S	TATUS
2.	Reporting Period:	84 Outage	e + On-line	Hrs: 719.0
3.	Utility Contact:N. W. G	RANT (305)	552-3675	
4.	Licensed Thermal Power (M	Wt):		2560
5.	Nameplate Rating (Gross M	We):	0850	
6.	Design Electrical Rating	(Net MWe):	_	804
7.	Maximum Dependable Capaci	1We):	832	
8.	Maximum Dependable Capaci	e):	786	
9.	If Changes Occur Above Si	nce Last Re	aport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net ML	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13.	Hours Reactor Critical	719.0	2,884.4	6,111.4
14.	Rx Reserve Shtdwn Mrs		. 0	(
15.	Hrs Generator On-Line	719.0	2,748.6	5,879.0
16.	Unit Reserve Shtdwn Hrs	. 0	. 0	(
17.	Gross Therm Ener (MWH)	1,829,680	6,931,557	14,589,501
18.	Gross Elec Ener (MWH)	612,700	2,328,280	4,871,500
19.	Net Elec Ener (MWH)	580,586	2,201,054	4,598,640
20.	Unit Service Factor	100.0	94.7	91.7
21.	Unit Avail Factor	100.0	94.7	91.7
22.	Unit Cap Factor (MDC Net)	102.7	96.5	91.3
23.	Unit Cap Factor (DER Net)	100.4	94.3	89.3
24.	Unit Forced Outage Rate		4.3	7.8
25.	Forced Outage Hours		124.3	498.9
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D	uration):



Report Period APR 1984	UN	IТ	SН	υт	DO	W	N S	s /	R	E	D	U	ст	I	0	к :	**************************************
No. Date Type Hours Reason	Method	LER	Numbe	Ē	Syst	em	Con	nponi	ent	11		_	Ca	usi	e &	Ci	orrective Action to Prevent Recurrence

NONE

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

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Till

**************************************	ILITY DATA Report Period APR 19	84
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION	
LOCATION STATEFLORIDA	UTILITY LICENSEEFLORIDA POWER & LIGHT	
COUNTYST LUCIE	CORPORATE ADDRESS	
DIST AND DIRECTION FROM NEAREST POPULATION CTR12 MI SE OF FT. PIERCE, FLA	CONTRACTOR ARCHITECT/ENGINEEREBASCO	
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERCOMBUSTION ENGINEERING	
DATE INITIAL CRITICALITYJUNE 2, 1983	CONSTRUCTOREBASCO	
DATE ELEC ENER 1ST GENERJUNE 13, 1983	TURBINE SUPPLIERWESTINGHOUSE	
DATE COMMERCIAL OPERATE AUGUST 8, 1983	REGULATORY INFORMATION	
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII	
CONDENSER COOLING WATER ATLANTIC CCEAM	IE RESIDENT INSPECTOR FEIERABEND	
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERD. SELLS DOCKET NUMBER	
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCE, NPF-16, JUNE 10, 1983	
	PUBLIC DOCUMENT ROOMINDIAN RIVER COMMUNITY COLLEGE LIBRARY 3209 VIRGINIA AVENUE FT. PIERCE, FLORIDA 33450	

INSPECTION SUMMARY

+ INSPECTION MARCH 11 - APRIL 10 (84-10): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, MAINTENANCE OBSERVATION, IE BULLETINS, ONSITE REVIEW COMMITTEE, OFFSITE REVIEW COMMITTEE, ONSITE ORGANIZATION AND ADMINISTRATION, DESIGN CHANGES, FIRE PROTECTION, REFUELING ACTIVITIES, FOLLOWUP ON TMI ACTION PLAN ITEMS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 11 - MARCH 10 (84-11): THIS ROUTINE INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, IE BULLETINS, REFUELING OPERATIONS, FIRE BRIGADE RESPONSE, SEQUENCE OF EVENTS RECODER, AND TMI ACTION ITEMS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 19-23 (34-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS: QA PROGRAM REVIEW; NON-LICENSED PERSONNEL TRAINING; LICENSED OPERATOR REQUALIFICATION TRAINING; DESIGN CHANGES; PROCUREMENT CONTROL; RECEIPT, STURAGE AND HANDLING OF EQUIPMENT AND MATERIALS; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO MAINTAIN RECORDS, PARAGRAPH 6.A).

ENFORCEMENT SUMMARY

NONE

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OTHER ITEMS

PERFORMING	STARTUP TE	STING.	
SYSTEMS AN	COMPONENT	PROBLEMS:	
NONE.			
FACILITY I	TEMS (PLANS	AND PROCED	URES):
NONE.			
MANAGERIAL	ITEMS:		
NONE.			
PLANT STAT	US:		
NORMAL OPE	RATION.		
LAST IE SI	TE INSPECTI	ON DATE: M	ARCH 11 - APRIL 10, 1984 +
INSPECTION	REPORT NO:	50-389/84	-10 +
			REPORTS FROM LICENSEE
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-053/ 03L			CONTAINMENT PRESSURE.
83-054/ 03L			INTAKE COOLING WATER PIPING.
83-055/ 03L		450.00	WIDE RANGE NUCLEAR INSTRUMENTATION.
83-056/ 03L			SHUTDOWN COOLING.

1.	Docket: 50-395 0	PERAT	ING S	TATUS
2.	Reporting Period: _04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: _ G. A. LO	IGNON (803	345-5209	<u> </u>
4.	Licensed Thermal Power (MM	(t):		2775
5.	Nameplate Rating (Gross MM	le):	0900	
6.	Design Electrical Rating (Net MWe):		900
7.	Maximum Dependable Capacit	y (Gross M	We):	900
8.	Maximum Dependable Capacit	y (Net MWe):	885
9.	If Changes Occur Above Sin	ce Last Re	port, Give	Reasons:
10.	Power Level To Which Restr Reasons for Restrictions, NONE	icted, If If Any:	Any (Net MW	le):
12.	Report Period Hrs	MONTH 719.0	YEAR 2.903.0	CUMULATIVE 2,903.0
13.	Hours Reactor Critical	102.2	2,012.5	2,012.5
14.	Rx Reserve Shtdwn Hrs		.0	0
15.	Hrs Generator On-Line	53.3	1,929.0	1,929.0
16.	Unit Reserve Sotdwo Hrs			0
17.	Gross Therm Ener (MWH)	119,028	5,242,015	5,242,015
18.	Gross Elec Ener (MWH)	38,040	1,751,235	1,751,235
19.	Net Elec Enor (MWH)	26,527	1,671,139	1,671,139
20.	Unit Service Factor	7.4	66.4	66.4
21.	Unit Avail Factor	7.4	66.4	
22.	Unit Cap Factor (MDC Net)	4.2	64.5	65.0
23.	Unit Cap Factor (DER Net)	4.1	64.0	64.0
24.	Unit Forced Outage Rate		10.9	10.9
25.	Forced Outage Hours	140.2	236.0	236.0
26.	Shutdowns Sched Over Next REFUELING, SEPTEMBER 15, 1	6 Months (984, 60 DA	Type,Date,D YS.	uration):



Report	Period Af	PR 19	84		UN	IT SHU	TDOW	NS / R	EDUCTIONS * SUMMER 1 *
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/23/84	S	525.5	В	4				SPRING MAINTENANCE OUTAGE CONTINUED FROM PREVIOUS MONTH.
5	04/25/84	F	140.2	A	3				TURBINE TRIP FROM THRUST BEARING WEAR DETECTOR.

Type	Reason	Method	System & Component			
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0151)			

	ILITY DATA Report Period APR 198
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATESOUTH CAROLINA	UTILITY LICENSEESOUTH CAROLINA ELECTRIC & GAS CO.
COUNTYFAIRFIELD	CORPORATE ADDRESSP.O. BOX 764 COLUMBIA, SOUTH CAROLINA 29202
DIST AND DIRECTION FROM NEAREST POPULATION CTR26 MI NW OF COLUMBIA, SC	CONTRACTOR ARCHITECT/ENGINEERGILBERT ASSOCIATES
TYPE OF REACTORPWR	HUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYOCTOBER 22, 1982	CONSTRUCTORDANIEL INTERNATIONAL
DATE ELEC ENER 1ST GENERNOVEMBER 16, 1982	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATEJANUARY 1, 1984	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEII
CONDENSER COOLING WATERMONTICELLO RESERVOIR	IE RESIDENT INSPECTORC. HEHL
ELECTRIC RELIABILITY COUNCILSOUTHEASTERN ELECTRIC	LICENSING PROJ MANAGERJ. HOPKINS DOCKET NUMBER
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCENPF-12, NOVEMBER 12, 1982
	PUBLIC DOCUMENT ROOMFAIRFIELD COUNTY LIBRARY GARDEN & WASHINGTON STREETS

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 20-22 (84-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 144 INSPECTOR-HOURS ON SITE IN THE AREA OF AN "MERGENCY PREPAREDNESS EXERCISE. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 1-31 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 160 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, PLANT TOUR, PLANT OPERATIONS REVIEW, TECHNICAL SPECIFICATION COMPLIANCE, PHYSICAL PROTECTION, MAINTENANCE AND SURVEILLANCE REVIEW, FIRE PROTECTION PROGRAM IMPLEMENTATION REVIEW, NONROUTINE EVENT REPORT, BULLETIN RESPONSES AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT FIRE PROTECTION PROCEDURES, PARAGRAPH 11).

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 30 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION AND MANAGEMENT CONTROLS; CONTROL OF RADIOACTIVE MATERIALS AND EQUIPMENT; OCCUPATIONAL EXPOSURES DURING EXTENDED OUTAGE; ALARA; SOLID WASTES AND TRANSPORTATION. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 9-13 (84-10): THIS INSPECTION INVOLVED 31 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THREE INSPECTOR-HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: SECURITY PLAN AND IMPLEMENTING PROCEDURES, SECURITY ORGANIZATION - PERSONNEL, TESTING AND MAINTENANCE, PHYSICAL BARRIERS - PROTECTED/VITAL AREAS, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL - PACKAGES/VEHICLES, DETECTION AIDS - PROTECTED/VITAL AREAS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 11 AREAS EXAMINED DURING THE INSPECTION.

WINNSBORD, SOUTH CAROLINA 29180

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON MARCH 23 FOR MAINTENANCE DUTAGE.

LAST IE SITE INSPECTION DATE: APRIL 9-13, 1984 +

INSPECTION REPORT NO: 50-395/84-10 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013/	03/09/84	04/03/84	PLANT INTEGRATED FIRE AND SECURITY SYSTEM WAS MODIFIED WITH NEW SOFTWARE, DISCREPANCY WAS CORRECTED.
84-015/	03/25/84	04/10/84	FOUR AIR SUPPLY VALVES OPEN TO 36" REACTOR BUILDING PURGE VALVES, DUE TO PERSONNEL NOT VERIFYING BEING CLOSED PRIOR TO LOCKING "LOCK BOX".
84-016/	03/01/84	04/03/84	DIESEL GENERATOR 'A' STARTED, ESFLS STARTED TO SEQUENCE, CAUSED BY THE FAILURE OF A MULTIVIBRATION ELECTRONIC CARD.
84-017/	03/29/84	04/12/84	D.C. CONTROL POWER MOMENTARILY INTERRUPTED TO SAFEGUARDS BUS 1 DA UNDERVOLTAGE RELAYS, DUE TO PERSONNEL ERROR.

1.	Docket: 50-280 0	PERAT	INJS	TATUS							
2.	Reporting Period:	4_ Outage	+ On-line	Hrs: 719.0							
3.	Utility Contact: VIVIAN H	JONES (8	04) 357-318	14							
4.	. Licensed Thermal Power (MWt):2441										
5.	Nameplate Rating (Gross MW	e):	942 X 0	.9 = 848							
6.	Design Electrical Rating (Net MWe):		788							
7.	Maximum Dependable Capacit	y (Gross M	We):	811							
8.	Maximum Dependable Capacit	y (Net MWe):	775							
9.	. If Changes Occur Above Since Last Report, Give Reasons:										
	NONE										
10.	Power Level To Which Restr	icted, If	Any (Net M	le):							
11.	Reasons for Restrictions,	If Any:									
-	NONE										
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 99,551.0							
13.	Hours Reactor Critical	337.5	2,156.2	61,255.2							
14.	Rx Reserve Shtdwn Hrs	. 0	# 9.3	3,774.5							
15.	Hrs Generator On-Line	327.8	2,108.8	59,975.6							
16.	Unit Reserve Shtdwn Hrs	. 0		3,736.2							
17.	Gross Therm Ener (MWH)	754,142	4,967,477	139,368,090							
18.	Gross Elec Ener (MWH)	245,230	1,604,670	44,924,513							
19.	Net Elec Ener (MWH)	232,807	1,524,174	42,601,910							
20.	Unit Service Factor	45.6		60.2							
21.	Unit Avail Factor	45.6	72.6	64.0							
22.	Unit Cap Factor (MDC Net)	41.8	67.7	55.2							
23.	Unit Cap Factor (DER Net)	41,1	66.6	54.3							
24.	Unit Forced Outage Rate	. 0	1.9	21.0							
25.	Forced Outage Hours		39.8	12,251.6							
26.	Shutdowns Sched Over Next	6 Months (Type, Date,	Duration):							
	SNUBBER INSPECTION: 5-26-8	4; 10 DAYS		-							
27.	If Currently Shutdown Esti	mated Star	tup Date:	N/A							

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Report	Period A	PR 19	84		UN	IT	sн	U	T D	0 W	N	s /	R	E D	U	ст	I	0	NS	***	*********	SURRY	***************************************	*
No.	Date	Type	Hours	Reason	Method	LER	Numbe	ar	Sys	tem	Co	mpone	nt			Ca	e u s	<u>e</u> ł	Cor	recti	ve Action	to Pr	event Recurrence	
84-5	04/07/84	s	391.2	D	1	84-01	80							PLA	NT	WAS	5 5	нит	DOWN	FOR	SCHEDULED	SNUBB	ER OUTAGE.	

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

VAGE 2-297

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***** ********************************	LIT
FACILITY DESCRIPTION	UTI
LOCATION STATEVIRGINIA	U
COUNTY SURRY	
DIST AND DIRECTION FROM NEAREST POPULATION CTR17 MI NW OF NEWPORT NEWS, VA	c
TYPE OF REACTOR PWR	
DATE INITIAL CRITICALITYJULY 1, 1972	
DATE ELEC ENER 1ST GENER JULY 4, 1972	
DATE COMM_RCIAL OPERATEDECEMBER 22, 1972	REC
CONDEN SR COOLING METHODONCE THRU	1
CONDENSE COOLING WATERJAMES RIVER	I
ELECTRIC RELIABILITY COUNCIL	t

Y DATA

Report Period APR 1984

LITY & CONTRACTOP INFORMATION

TILITY LICENSEE..... VIRGINIA ELECTRIC & POWER

RICHMOND, VIRGINIA 23261

ONTRACTOR ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER ... WESTINGHOUSE

TURBINE SUPPLIER......WESTINGHOUSE

ULATORY INFORMATION

E REGION RESPONSIBLE.....II

E RESIDENT INSPECTOR D. BURKE

ICENSING PROJ MANAGER.....D. NEIGHBORS DOCKET NUMBER 50-280

LICENSE & DATE ISSUANCE.... DPR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM SWEM LIBRARY COLLEGE OF WILLIAM AND MARY WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

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INSPECTION SUMMARY

+ INSPECTION APRIL 2-6 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HLURS ON SITE IN THE AREA OF SNUBBER FROGRAM REVIEW. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF INCERSO, APPENDIX B, CRITERION XVI, THE LICENSEE'S MEASURES FOR PROMPT CORRE. TION OF CONDITIONS ADVERSE TO QUALITY WERE INADEQUATE IN THAT KNOWN DEFICIENCIES IN ISI PROCEDURES AND KNOWN FAILURES TO SUPPLY REQUIRED ISI REPORTS TO THE NRC WERE NOT PROMPTLY CORRECTED. CONTRARY TO THE REQUIREMENTS OF TOCFR50, APPENDIX B, CRITERION XVI, THE LICENSEE'S MEASURES FOR PROMPT CORRECTION OF CONDITIONS ADVERSE TO QUALITY WERE INADEQUATE IN THAT KNOWN DEFICIENCIES IN ISI PROCEDURES AND KNOWN FAILURES TO SUPPLY REQUIRED ISI REPORTS TO THE NRC WERE NOT PROMPTLY CORRECTED. (8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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*	SURRY	(1	×
****	******	******	*********

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

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LAST IE SITE INSPECTION DATE: APRIL 2-6, 1984 +
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INSPECTION REPORT NO: 50-280/84-13 +

REPURTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-005/	03/01/84	03/29/84	SAFETY INJECTION SIGNALS WERE INITIATED AS A RESULT OF COMPLETING 3 OF 4 CONTAINMENT PRESSURE SIGNALS AND 2 OF 3 HIGH STEAM FLOW SIGNALS, PERSONNEL RE-INSTRUCTED IN CORRECT MANNER.
84-006/	63/01/84		SIXTY-NINE OF 226 SNUBBERS FAILED TO MEET ACCEPTANCE CRITERIA, SHUBBER PROGRAM IS BEING REVISED

1.	Docket: 50-281	PERAT	TINGS	TATUS				
2.	Reporting Period: 04/01/1	84 Outage	e + On-line	Hrs: 719.0				
3.	Utility Contact: VIVIAN H	I. JONES (8	304) 357-31	84				
4.	Licensed Thermal Power (M	lt):		2441				
5.	Nameplate Rating (Gross M	le):	942 X	942 X 0.9 = 848				
6.	Design Electrical Rating	(Net MWe):		788				
7.	Maximum Dependable Capacit	ty (Gross i	1We):	811				
8.	Maximum Dependable Capacit	:	775					
9.	If Changes Occur Above Sir NONE	nce Last Re	eport, Give	Reasons:				
10.	Power Level To Which Restr	icted, If	Any (Net M	We):				
11.	Reasons for Restrictions,	If Any:						
	NONE							
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE				
13.	Hours Reactor Critical	377.2	2,163.4	60,734.0				
14.	Rx Reserve Shtdwn Hrs		23.8	23.8				
15.	Hrs Generator On-Line	337.8	2,114.9	59,690.9				
16.	Unit Reserve Shtdwn Hrs			0				
17.	Gross Therm Ener (MWH)	644,864	4,912,297	139,628,169				
18.	Gross Elec Ener (MWH)	203,015	1,571,485	45,361,344				
19.	Net Elec Ener (MWH)	190,289	1,488,749	42,995,809				
20.	Unit Service Factor	47.0	72.9	61.9				
21.	Unit Avail Factor	47.0	72.9	61.9				
22.	Unit Cap Factor (MDC Net)		66.2	57.5				
3.	Unit Cap Factor (DER Net)	33.6	65.1	56.6				
4.	Unit Forced Outage Rate	6.8	16.9	14,3				
25.	Forced Outage Hours	24.7	431.6	7,258.2				
6.	Shutdowns Sched Over Next	6 Months (Type, Date, I)uration):				
	FALL MAINTENANCE: 11/9/84;	10 DAYS.						
7.	If Currently Shutdown Esti	mated Star	tup Date:	N/A				



Report	Period Al	PR 19	84		UN	IT SHU	тром	NS / R	E D U C T I O N S *********************************
40.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	04/15/84	s	356.5	A	3				CONTINUATION OF SHUBBER OUTAGE WHICH COMMENCED ON 3/16/84.
84-13	04/18/84	F	6.8	A	3	84-009			REACTOR TRIP CAUSED BY A 6A FEEDWATER HIGH-HIGH LEVEL TURBINE TRIP. HEATER WAS REMOVED FROM SERVICE AND TWO TUBE LEAKS WERE FOUND.
84-14	04/19/84	s	0.0	н	5				POWER WAS REDUCED FROM 82% (660 MW'S TO 61% (435 MW'S) TO PUT 6A FEEDWATER HEATER BACK IN SERVICE.
84-15	04/19/84	F	17.9	A	3				REACTOR TRIP CAUSED BY A 6A FEEDWATER HIGH-HIGH LEVEL TURBINE TRIP. REMOVED DEBRIS FROM 6A LOOP SEAL.

SURRY 2 CONTINUED A SNUBBER OUTAGE IN AFRIL AND EXPERIENCED 2 ADDITIONAL SHORT SHUTDOWNS AS NOTED ABOVE. *******

* SUMMARY *

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

***************************************	FACILITY DATA	Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION	
LOCATION STATEVIRGINIA	UTILITY LICENSEEVIRGINIA ELECT	RIC & POWER
COUNTYSURRY	CORPORATE ADDRESS	
DIST AND DIRECTION FROM NEAREST POPULATION CTR17 MI NW OF NewPort News, ya	CONTRACTOR ARCHITECT/ENGINEERSTONE & WEBSTE	RGINIA 23261
TYPE OF REACTOR PWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE	
DATE INITIAL CRITICALITYMARCH 7, 1973	CONSTRUCTORSTONE & WEBSTE	R
DATE ELEC ENER IST GENERMARCH 10, 1973	TURBINE SUPPLIERWESTINGHOUSE	
DATE COMMERCIAL OPERATEMAY 1, 1973	REGULATORY INFORMATION	
CONDENSER COOLING METHOD ONCE THRU	IE REGION RESPONSIBLEII	
CONDENSER COOLING WATERJAMES RIVER	IE RESIDENT INSPECTORD. BURKE	
ELECTRIC RELIABILITY COUNCIL	RIC DOCKET NUMBER	
RELIABILITY COUN	LICENSE & DATE ISSUANCEDPR-37, JANUAR	RY 29, 1973
	PUBLIC DOCUMENT ROOMSWEM LIBRARY College of WI Williamsburg,	ULIAM AND MARY VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 2-6 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREA OF SNUBBER PROGRAM REVIEW. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

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×	×	×	×	×	×	¥	×	×	×	×	×	×	×	×	¥	×	×	×	¥	×	×	×	×	×	×	×	×	¥	¥	×	¥	×	×	×	×

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING AND 10 YEAR IN-SERVICE INSPECTION (ISI).

LAST IE SITE INSPECTION DATE: APRIL 2-6, 1984 +

INSPECTION REPORT NO: 50-281/84-13 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006/	03/16/84	04/05/84	COOLDOWN RATE EXCEEDED 50 DEGREES F/HR., CAUSED BY CONTROL ROOM OPERATORS FAILURE TO RECOGNIZE AN INCREASING COOLDOWN RATE.
84-007/	03/20/84	04/05/84	BREAKERS FOR ACCUMULATOR DISCHARGE VALVES WERE OPEN BUT NOT LOCKED, DUE TO INADEQUATE REVIEW OF TECHNICAL SPECIFICATIONS.

	Docket: 50-387	OPERAT	TING S	TATUS		
2.	Reporting Period: _04/01/	84 Outage	e + On-line	Hrs: 719.0		
3.	Utility Contact: L. A. K	UCZYNSKI (7	17) 542-218	31		
4.	Licensed Thermal Power (M	3293				
5.	Nameplate Rating (Gross M	0.9 = 1152				
6.	Design Electrical Rating	- 10 <u></u>	1065			
7.	Maximum Dependable Capaci	1068				
8.	Maximum Dependable Capaci	1032				
9.	If Changes Occur Above Si	nce Last Re	aport, Give	Reasons:		
10.	Power Level To Which Rest	ricted, If	Any (Net Ma	le):		
11.	Reasons for Restrictions, NONE	If Any:				
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE		
13.	Hours Reactor Critical	719.0	1,153.0	4,998.3		
14.	Rx Reserve Shtdwn Hrs		0	156.7		
15.	Hrs Generator On-Line	719.0	1,075.8	4,844.		
16.	Unit Reserve Shtdwn Hrs					
17.	Gross Therm Ener (MWH)	2,255,077	3,059,936	14,309,707		
18.	Gross Elec Ener (MWH)	745,490	998,240	4,664,790		
19.	Net Elec Ener (MWH)	719,7%	960,716	4,497,089		
	Unit Service Factor	100.0	37.1	61.5		
20.						
20.	Unit Avail Factor	100.0	37.1	61.5		
20.	Unit Avail Factor Unit Cap Factor (MDC Net)	<u> 100.0</u> 97.0	37.1	55.4		
20. 21. 22. 23.	Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net)	<u> 100.0</u> <u> 97.0</u> <u> 94.0</u>	<u> </u>	55.4		
20. 21. 22. 23.	Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate	<u> 100.0</u> <u> 97.0</u> <u> 94.0</u> <u> </u> ,0	<u> </u>	<u> </u>		
20. 21. 22. 23. 24.	Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate Forced Outage Hours	<u> 100.0</u> <u> 97.0</u> <u> 94.0</u> <u> </u>	<u> </u>	61.5 55.4 53.6 18.2 1,080.2		


Report	Period Al	PR .9	84		UN	I T	รหบา		NS /	R	E	DU	c	TI	1 0	N	N S X SUSQUEHANNA 1 X
<u>No.</u> 3	Date 04/13/84	Type S	Hours 0.0	Reason H	Method 5	LER	Number	System IC	COMPONE)	ACH	POWE	ER E T RFD	REI		A TI TH	Corrective Action to Prevent Recurrence ION FROM 100% TO 60% WAS INITIALIZED TO TROL ROD PATTERN. NO CORRECTIVE ACTION IS HIS POWER REDUCTION. IT WAS A PLANNED EVENT.

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

****************** SUSQUEHANNA 1 ******** FACILITY DATA FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY STATE PENNSYLVANIA COUNTY LUZERNE DIST AND DIRECTION FROM NEAREST POPULATION CTR...7 MI NE OF CONTRACTOR BERWICK, PA ARCHITECT/ENGINEER.....BECHTEL TYPE OF REACTOR BWR DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982 CONSTRUCTOR BECHTEL DATE ELEC ENER 1ST GENER... NOVEMBER 16, 1982 TURBINE SUPPLIER.....GENERAL ELECTRIC DATE COMMERCIAL OPERATE....JUNE 8, 1983 REGULATORY INFORMATION CONDENSER COOLING ME HOD ... CC, HNDCT IE REGION RESPONSIBLE.....I CONDENSER COOLING WATER....SUSQUEHANNA RIVER IE RESIDENT INSPECTOR R. JACOBS ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....R. PERCH COUNCIL......MID-ATLANTIC AREA COUNCIL LICENSE & DATE ISSUANCE...., NOVEMBER 12, 1982

Report Period APR 1984

CORPORATE ADDRESS...... NORTH NINTH STREET ALLENTOWN, PENNSYLVANIA 18101

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY **71 SOUTH FRANKLIN STREET** WILKES-BARRE, PENNSYLVANIA 18701 INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NJ INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period A	PR 1984	INSPEC	TION S	TATUS -	(CONTINUED)	**************************************
OTHER ITEMS						
MANAGERIAL IT	EMS :					
NO INPUT PROV	IDED.					
PLANT STATUS:						
NO INPUT PROV	IDED.					
LAST IE SITE	INSPECTION DATE	NO INPUT PR	OVIDED.			
INSPECTION RE	PORT NO: NO IN	PUT PROVIDED.				
			REPORTS	FROM	LICENSEE	

NUMBER D	DATE OF DATE EVENT REPO	OF SUBJECT				
NO INPUT PR	ROVIDED.					

1. Docket: _50-289	OPERAI	ING S	TATUS
2. Reporting Period:	184 Outage	+ On-line	Hrs: 719
3. Utility Contact: C. W.	SMYTH (717)	948-8551	
4. Licensed Thermal Power ()	MWt): .		2535
5. Nameplate Rating (Gross /	MWe):	968 X	0.9 = 871
6. Design Electrical Rating	(Net MWe):		819
7. Maximum Dependable Capaci	ity (Gross M	We):	840
8. Maximum Dependable Capaci	ity (Net MWe):	776
9. If Changes Occur Above Si NONE	ince Last Re	port, Give	Reasons:
10. Power Level To Which Rest	ricted, If	Any (Net ML	le):
11. Reasons for Restrictions,	If Any:		
NONE			
12. Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE
13. Hours Reactor Critical	0		
14. Rx Reserve Shtdwn Hrs	0	0	839.5
15. Hrs Generator On-Line	0		31,180.9
16. Unit Reserve Shtdwn Hrs			
17. Gross Therm Ener (MWH)	0	0	76,531,071
18. Gross Elec Ener (MWH)	0	0	25,484,330
19. Net Elac Ener (MWH)	0	0	23,840,053
0. Unit Service Factor	0	0	
1. Unit Avail Factor			36.8
2. Unit Cap Factor (MDC Net)			
3. Unit Cap Factor (DER Net)	0		
4. Unit Forced Outage Rate	100.0	100.0	59.7
	719.0	2,903.0	46,028.5
5. Forced Uutage Hours			



* Item calculated with a Weighted Average

Report Period APR 1984				UN	IT	s	н	υT	D	0	W	N	s	,	R	ΕI	DU	c	т	I	0	N	s	**************************************	
No.	Date	TYPE	Hours	Reason	Method	LEF	R Nu	mbe	r	Sy	ste	200	Co	mpo	nen	Ŧ				Ca	150	2 8	(or	rective Action to Prevent Recurrence
1	02/17/79	F	719.0	D	4						zz		z	zzz	zz		RE	GUL	AT	OR	YF	RES	TR	IAS	NT ORDER CONTINUES.

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

* THREE MILE ISLAND 1 **************** 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 AREA COUNCIL

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY

LICENSEE......GPU NUCLEAR CORP.

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

LICENSE & DATE ISSUANCE.... DPR-50, APRIL 19, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION STATE LIBRARY OF PENNSYLVANIA FORUM BUILDING COMMONWEALTH AND WALNUT STREET HARRISBURG, PENNSYLVANIA 17105

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984	INSP	естгон ст	ATUS - (CONTINUED)	NXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
OTHER ITEMS				
NO INPUT PROVIDED.				
MANAGERIAL ITEMS:				
NO INPUT PROVIDED.				
PLANT STATUS:				
NO INPUT PROVIDED.				
LAST IE SITE INSPECTIO	ON DATE: NO INPUT	PROVIDED.		
INSPECTION REPORT NO:	NO INPUT PROVIDE	ED.	이 사람은 승규가 가지요.	
		REPORTS	FROM LICENSEE	
NUMBER DATE OF EVENT	DATE OF SUBJ REPORT	ECT		
NO INPUT PROVIDED.				***************************************
NUMBER DATE OF EVENT NO INPUT PROVIDED.	DATE OF SUBJ	2CT		

1.	Docket: _50-344	OPERA	TING S	TATUS
2.	Reporting Period: 04/01/	84 Outag	e + On-line	Hrs: 719.1
3.	Utility Contact: W. O. N	ICHOLSON	(503) 556-3	713 X409
4.	Licensed Thermal Power (M	Wt):		3411
5.	Nameplate Rating (Gross M	We):	1280 X	0.95 = 1216
6.	Design Electrical Rating	(Net MWe):		1130
7.	Maximum Dependable Capaci	ty (Gross !	MWe):	1122
8.	Maximum Dependable Capaci	ty (Net MW	e):	1080
9.	If Changes Occur Above Si NONE	nce Last R	eport, Give	Reasons:
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 67,175.0
13.	Hours Reactor Critical	642.5	2,793.6	41,643.9
14.	Rx Reserve Shtdwn Hrs	0		3,875.4
15.	Hrs Genzrator On-Line	642.5	2,176.2	40,330.3
16.	Unit Reserve Shtdwn Hrs	0		3,237.0
17.	Gross Therm Ener (MWH)	1,948,493	9,111,746	127,675,599
18.	Gross Elec Ener (MWH)	628,728	2,940,315	41,515,806
19.	Net Elec Ener (MWH)	602,404	2,820,758	39,234,784
20.	Unit Service Factor	89.4	95.6	60.0
21.	Unit Avail Factor	89.4	95.6	64.9
22.	Unit Cap Factor (MDC Net)		90.0	54.1
23.	Unit Cap Factor (DER Net)	74.1	86.0	51.7
24.	Unit Forced Outage Rate		1.8	17.2
25.	Forced Outage Hours		50.3	8,352.1
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D)uration):

1 # 10

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Report	Period Al	PR 19	84		UN	IT SHU	TDOW	NS / R	EDUCTIONS * TROJAN *
	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-06	04/13/84	5	0.0	F	5		ZZ	ZZZZZZ	POWER REDUCED TO 70% DUE TO ABUNDANT POWER AVAILABLE ON THE NORTHWEST POWER GRID.
84-07	04/27/84	5	76.5	В	3	84-06	TA	ZZZZZZ	THE REACTOR TRIPPED ON 'C' STEAM GENERATOR LOW-LOW LEVEL DURING TEMPORARY PLANT TEST TPS-69, "TURBINE RUNBACK ON LOSS OF MAIN FEED PUMP". THIS TEST WAS RUN TO VERIFY THE ADEQUACY OF A RECENT DESIGN CHANGE. THE TURBINE RUNBACK WAS NOT FAST ENOUGH TO PREVENT A REACTOR TRIP AFTER A MAIN FEED PUMP WAS MANUALLY TRIPPED.

TROJAN EXPERIENCED 1 SHUTDOWN IN APRIL ON A TURBINE TRIP AS DESCRIBED ABOVE.

*********** * SUMMARY * ********

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

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FACI	LITY DATA Report Period APR 1984
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEOREGON	UTILITY LICENSEEPORTLAND GENERAL ELECTRIC
COUNTYCOLUMBIA	CORPORATE ADDRESS
DIST AND DIRECTION FROM	PORTLAND, OREGON 97204
NEAREST POPULATION CTR42 MI N OF PORTLAND, ORE	CONTRACTOR ARCHITECT/ENGINEERBECHTEL
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYDECEMBER 15, 1975	CONSTRUCTORBECHTEL
DATE ELEC ENER 1ST GENERDECEMBER 23, 1975	TURBINE SUPPLIERGENERAL ELECTRIC
DATE COMMERCIAL OPERATE MAY 20, 1976	REGULATORY INFORMATION
CONDENSER COOLING METHODCOOLING TOWERS	IE REGION RESPONSIBLEV
CONDENSER COOLING WATERCOLUMBIA RIVER	IE RESIDENT INSPECTORG. JOHNSTON
ELECTRIC RELIABILITY COUNCILWESTERN SYSTEMS	LICENSING PROJ MANAGERC. TRAMMELL DOCKET NUMBER
CONDINATING CODNET	LICENSE & DATE ISSUANCE NPF-1, NOVEMBER 21, 1975
	PUBLIC DOCUMENT ROOMMULTNOMAH COUNTY LIBRARY SOCIAL SCIENCES & SCIENCE DEPARTMENT 801 SW 10TH AVENUE
INSPECTION CUMMINY INSPECT	TION STATUS PORTLAND, OREGON 97205

INSPECTION SUMMARY

+ INSPECTION DURING FEBRUARY 6-10, MARCH 19-23 AND 27-30, 1984 (REPORT NO. 50-344/84-03) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTIONS OF PLANT OPERATIONS, INCLUDING PLANT MODIFICATIONS AND DESIGN CONTORL; LICENSEE ACTION ON IE BULLETINS AND INFORMATION NOTICES; LICENSEE ACTION ON MAIN STEAM CHECK VALVE FAILURES TO CLOSE; DESIGN RELATED CIRCUMSTANCES SURROUNDING A SAFETY INJECTION ACTUATION ON FEBRUARY 18, 1984; LICENSEE ACTION REGARDING THE IMPACT OF INCREASED FUEL BURNUP ON THE FUEL HANDLING ACCIDENT ASSUMPTIONS; AND LICENSEE ACTION ON A DESIGN CHANGE TO REVERSE THE REACTOR INTERNALS BYPASS FLOW DIRECTION. THE INSPECTION INVOLVED 120 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 21 - MARCH 2, 1984 (REPORT NO. 50-344/84-05) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 13 - MARCH 30, 1984 (REPORT NO. 50-344/84-08) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS, SECURITY, SURVEILLANCE TESTING, MAINTENANCE, FOLLOWUP ON LICENSEE EVENT REPORTS AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 237 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: ONE VIOLATION WAS IDENTIFIED ASSOCIATED WITH A FAILURE TO MAKE A SIGNIFICANT EVENT NOTIFICATION TO THE NRC OPERATIONS CENTER WITHIN THE PRESCRIBED TIME INTERVAL.

INSPECTION STATUS - (CONTINUED)

水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水 TROJAN ************

Report Period APR 1984

INSPECTION SUMMARY

+ INSPECTION ON APRIL 25-27, 1984 (REPORT NO. 50-344/84-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 20-30, 1984 (REPORT NO. 50-344/84-10) SUMMARY: AN ENFORCEMENT CONFERENCE WAS HELD ON APRIL 15, 1984. THE FOLLOWING TOPICS WERE DISCUSSED: 1. APPARENT VIOLATION IDENTIFIED DURING INSPECTION OF TROJAN NUCLEAR POWER PLANT. (INSPECTION REPORT NO. 50-344/84-06). 2. MATTERS OF CONCERN TO NRC.

+ INSPECTION ON APRIL 1-30, 1984 (REPORT NO. 50-344/84-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-344/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

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MANAGERIAL ITEMS:

AN ENFORCEMENT CONFERENCE AND A SPECIAL MEETING WITH THE LICENSEE HAVE BEEN SCHEDULED FOR APRIL 16, 1984, TO DISCUSS THE SIMULTANEOUS REMOVAL OF BOTH AUXILIARY FEEDWATER PUMPS FROM SERVICE ON MARCH 20, 1984 AND TO DISCUSS A CORRECTIVE ACTION PROGRAM RESULTING FROM THE NRC'S MARGINAL RATING OF THE OPERATOR REQUALIFICATION PROGRAM.

PLANT STATUS:

ROUTINE POWER OPERATION.

LAST IE SITE INSPECTION DATE: 04/01-30/84+

INSPECTION REPORT NO: 50-344/84-11+

Report Period APR 1984

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DATE OF SUBJECT	02-12-82 NUMBER TWO EDG WAS INOPERABLE UNKNOWINGLY FOR 34 DAYS	03-16-84 INADVERTENT SI FROM ACCIDENTAL SHORTCIRCUITING 120-VOLT INSTRUMENT BUSES	03-29-84 REACTOR TRIP ON STEAM GENERATOR LOW-LOW LEVEL DUE TO MAIN FW PUMP TRIP	04-18-84 LOSS OF ESF AUXILIARY FEEDWATER PUMP AUTO START CAPABILITIES	
SUBJ	NUMBI	INAD	REAC	LOSS	
DATE OF REPORT	02-12-82	03-16-84	03-29-84	04-18-84	17 18 18 18 18 18 18 18 18 18 18 18 18 18
DATE OF EVENT	01-18-82	02-18-84	03-18-84	03-20-84	
NUMBER	84-01	84-03	84-04	84-05	

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1.	Docket: _50-250	OPERA	TINGS	TATUS			
2.	Reporting Period:	84 Outage	e + On-line	Hrs: 719.0			
3.	Utility Contact: N. W. G	RANT (305)	552-3675				
4.	Licensed Thermal Power (M	Wt):		2200			
5.	Nameplate Rating (Gross M	Nameplate Rating (Gross MWe):					
6.	Design Electrical Rating	(Net MWe):		693			
7.	Maximum Dependable Capaci	ty (Gross)	1We):	700			
8.	Maximum Dependable Capaci	ty (Net MW	e):	666			
9.	If Changes Occur Above Si	nce Last Re	aport, Give	Reasor			
	NONE						
10.	Power Level To Which Rest	ricted, If	Any (Net M	We):			
11.	Reasons for Restrictions,	If Any:					
	NONE						
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 99,968.6			
13.	Hours Reactor Critical	607.3	2,353.6	70,378.9			
14.	Rx Reserve Shtdwn Hrs			844.3			
15.	Hrs Generator On-Line	604.5	2,273.0	68,195.2			
16.	Unit Reserve Shtdwn Hrs	0		121.8			
17.	Gross Therm Ener (MWH)	1,303,305	4,812,354	140,300,946			
18.	Gross Elec Ener (MWH)	422,985	1,557,160	44,767,725			
19.	Net Elec Ener (MWH)	401,868	1,472,420	42,385,437			
20.	Unit Service Factor	84.1		68.2			
21.	Unit Avail Factor	84,1		68.3			
22.	Unit Cap Factor (MDC Net)	83.9	76.2	<u>65.5</u> *			
3.	Unit Cap Factor (DER Net)	80.7	73.2	61.2			
24.	Unit Forced Outage Rate	1.3	13.3	5.6			
25.	Forced Outage Hours	7.7	350.1	3,530.2			
26.	Shutdowns Sched Over Next NONE	6 Months (Type,Date,D)uration):			

* Item calculated with a Weighted Average



Report	Period Al	PR 19	84		UN	тт вни	TDOW	NS / R	EDUCTIONS * TURKEY POINT 3 * * *******************************
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	04/24/84	F	7.7	*	3		18	GENERA	REACTOR TRIPPED ON HIGH PRESSURE FOLLOWING RUCBACK CAUSED BY NONLICENSED OPERATOR ERROR ON REMOVAL OF INVERTOR FROM SERVICE.
12	04/26/84	s	106.8	В	1		zz	ZZZZZZ	UNIT TAKEN OFF LINE FUR UNIT 4 SAFEGUARDS TEST, SNUBBER INSPECTION AND STEAM GENERATOR FEEDWATER NOZZLE INSPECTIONS

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

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************************************	ILITY DATA	Report Period APR 1984				
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION					
LOCATION STATEFLORIDA	UTILITY LICENSEEFLORIDA PO	DWER & LIGHT				
COUNTYDADE	CORPORATE ADDRESS	FLAGLER STREET P.O. BOX 013100				
DIST AND DIRECTION FROM NEAREST POPULATION CTR25 MI S OF MIAMI, FLA	MIAMI, I CONTRACTOR ARCHITECT/ENGINEERBECHTEL	FLORIDA 33174				
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOU	JSE				
DATE INITIAL CRITICALITY OCTOBER 20, 1972	CONSTRUCTORBECHTEL					
DATE ELEC ENER 1ST GENERNOVEMBER 2, 1972	TURBINE SUPPLIERWESTINGHOU	ISE				
DATE COMMERCIAL OPERATEDECEMBER 14, 1972	REGULATORY INFORMATION					
CONDENSER COOLING METHODCLOSED CANAL	IE REGION RESPONSIBLEII					
CONDENSER COOLING WATERCLOSED CYCLE CANAL	IE RESIDENT INSPECTORR. VOGT LC	DWELL				
ELECTRIC RELIABILITY COUNCILSOUTHEASTERN ELECTRIC	LICENSING PROJ MANAGERD. MCDONALD DOCKET NUMBER					
RELIABILITY COUNCIL	LICENSE & DATE ISSUANCEDPR-31, JULY 19, 1972					
	PUBLIC DOCUMENT ROOMENVIRONMEN Florida i Miami, fl	ITAL AND URBAN AFFAIRS LIBRARY NTERNATIONAL UNIVERSITY ORIDA 33199				

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF RADIATION PROTECTION AND CHEMISTRY STAFF, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL RADIATION EXPOSURE CONTROL, INTERNAL RADIATION EXPOSURE CONTROL, IMPLEMENTATION OF 10 CFR PART 61 AND 10 CFR 20.311 CHANGES AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS AND INSPECTOR IDENTIFIED ITEMS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATIONS REQUIREMENTS PERTAINING TO PROCEDURES AND FAILURE OF CHEMISTRY TECHNICIANS IN RESPONSIBLE POSITIONS TO MEET THE MINIMUM EXPERIENCE REQUIREMENTS).

INSPECTION APRIL 9-12 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF GENERAL INSPECTIONS, INSERVICE INSPECTION (ISI), LICENSING ACTION, IE BULLETIN (IEB) AND INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION -"FAILURE TO FOLLOW MAINTENANCE PROCEDURE" - PARAGRAPH 8C).

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 6.8.1 - PCM TURNOVERS.

eport Perio	5 APR 1984	I	NSPECTION	STATUS	- (CONTINUED)	**************************************
NFORCEMENT	UMMARY					
VIOLATION 01 (8341 4)	TECHNICAL	SPECIFICAT	ION 6.8.1 - SHUTDOWN	BANKS.		
FAILURE TO	MAINTAIN PO	SITIVE CONTR	ROL OF ESCORTED INDI	IVIDUAL.		
(8410 4)						
THER ITEMS						
SYSTEMS AN	COMPONENT	PROBLEMS :				
NONE.						
FACILITY I	TEMS (PLANS	AND PROCEDU	URES):			
NONE.						
MANAGERIAL	ITEMS:					
NONE.						
PLANT STAT	US:					
OPERATING.						
LAST IE SI	TE INSPECTI	ON DATE: A	PRIL 9-12, 1984 +			
INSPECTION	REPORT NO:	50-250/84	-12 +			
			REPOR	RTS FROM	LICENSEE	
			*********************	**********************		
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT			
84-007/	02/16/84	03/19/84	REACTOR TRIP ACTU	ATION WAS STEAM F	LOW GREATER THAN FI	EED FLOW.
84-008/	02/23/84	03/26/84	AUX FEEDWATER SYST FEEDWATER PUMP PL	TEM MONTHLY TEST, ACED IT BACK IN S	FLOW OSCILLATIONS ERVICE.	OBSERVED DURING 'B' PUMP TEST, 'B' AUX
84-009/	03/06/84	04/05/84	UNIT 3 EXPERIENCES ROD DROP LOGIC.	D A TURBINE RUNBA	CK TO APPROXIMATELY	Y 410 MWE, CAUSED BY A SPURIOUS SIGNAL TO

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PAGE 2-321

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1.	Docket: 50-251 0	PERAT	ING S	TATUS
2.	Reporting Period: 04/91/8	Cutage	+ On-line	Hrs: 719.0
3.	Utility Contact: N. W. GR	ANT (305)	552-3675	
4.	Licensed Thermal Power (MW		2200	
5.	Nameplate Rating (Gross Mk	le):	894 X	0.85 = 760
6.	Design Electrical Rating (Net MWe):		693
7.	Maximum Dependable Capacit	y (Gross M	We):	700
8.	Maximum Dependable Capacit	y (Net MWe):	666
9.	If Changes Occur Above Sin	ce Last Re	port, Give	Reasons:
10	Power Level To Which Pestr	icted. If	Any (Not M	101:
11	Reasons for Restrictions.	If Any:	any thet in	
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 93,696.0
13.	Hours Reactor Critical		1,316.6	65,955.4
14.	Rx Raserve Shtdwn Hrs			166.6
15.	Hrs Generator On-Line	. 0	1,269.3	63,737.7
16.	Unit Reserve Shtdwn Hrs	. 0	0	31.2
17.	Gross Therm Ener (MWH)	0	2,761,901	134,517,642
18.	Gross Elec Ener (MWH)	0	898,385	42,819,747
19.	Net Elec Ener (MWH)	-1,003		40,554,277
20.	Unit Service Factor		43.7	68.0
21.	Unit Avail Factor	.0	43.7	68.1
22.	Unit Cap Factor (MDC Net)		43.8	66.8
23.	Unit Cap Factor (DER Net)	. 0	42.1	62.5
24.	Unit Forced Outage Rate	.0	21.1	4.9
25.	Forced Outage Hours	.0	340.4	2,882.2
25.	Shutdowns Sched Over Next	6 Months (Type,Date,D)urat.on):
27.	If Currently Shutdown Estin	mated Star	tup Date:	05/22/84



* Item calculated with a Weighted Average

Report	Period Al	PR 198	84		UN	T T	SHU	TDOW	NS	/ R	ED	U	ст	IC	N	S	*****	*****	TURKEY	POIN	IT 4	*********	**
No.	Date	Type	Hours	Reason	Method	LER	Number	System	Compo	nent			Cau	se	8 (Corre	ctive	Acti	on to	Preve	int	Recurrence	
07	03/08/84	S	719.0	c	4			RC	FUEL	xx	UNI	T .	4 RE	MAI	INE	D OFF	LINE	FOR	REFUEL	ING A	ND	SCHEDULED	

******	~	20	1.11.15	10.1	~
	**	(××	**	****	×

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

*******	*********	*****
×	TURKEY POINT 4	×

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM NEAREST POPULATION CTR...25 MI S OF MIAMI, FLA

TYPE OF REACTOR PWR

DATE INITIAL CRITICALITY...JUNE 11, 1973

DATE ELEC ENER 1ST GENER...JUNE 21, 1973

DATE COMMERCIAL OPERATE.... SEPTEMBER 7, 1973

CONDENSER COOLING METHOD ... CLOSED CANAL

CONDENSER COOLING WATER CLOSED CYCLE CANAL

ELECTRIC RELIABILITY COUNCIL.....SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL UTILITY & CONTRACTOR INFORMATION

UTILITY

LICENSEE......FLORIDA POWER & LIGHT

CORPORATE ADDRESS......9250 WEST FLAGLER STREET P.O. BOX 013100 MIAMI, FLORIDA 33174

CONTRACTOR ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SU PLIER.....WESTINGHOUSE

REGULATORY IN MATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. VOGT LOWELL

LICENSE & DATE ISSUANCE.... DPR-41, APRIL 10, 1973

PUBLIC DOCUMENT ROOM......ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY FLORIDA INTERNATIONAL UNIVERSITY MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF RADIATION PROTECTION AND CHEMISTRY STAFF, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL RADIATION EXPOSURE CONTROL, INTERNAL RADIATION EXPOSURE CONTROL, IMPLEMENTATION OF 10 CFR PART 61 AND 10 CFR 20.311 CHANGES AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS AND INSPECTOR IDENTIFIED ITEMS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATIONS REQUIREMENTS PERTAINING TO PROCEDURES AND FAILURE OF CHEMISTRY TECHNICIANS IN RESPONSIBLE POSITIONS TO MEET THE MINIMUM EXPERIENCE REQUIREMENTS).

INSPECTION APRIL 9-12 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF GENERAL INSPECTIONS, INSERVICE INSPECTION (ISI), LICENSING ACTION, IE BULLETIN (IEB) AND INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION -"FAILURE TO FOLLOW MAINTENANCE PROCEDURE" - PARAGRAPH 8C).

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 6.8.1 - PCM TURNOVERS.

Report Period APR 1984

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 6.8.1 - SHUTDOWN BANKS. (8340 4)

FAILURE TO MAINTAIN POSITIVE CONTROL OF ESCORTED INDIVIDUAL.

(8410 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

COMPLETED STEAM GENERATOR REPLACEMENT.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 9-12, 1984 +

INSPECTION REPORT NO: 50-251/84-12 +

REPORTS FROM LICENSEE

=========	=============		
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004/	03/07/84	04/05/84	WHILE PURGING, A SPURIOUS SIGNAL ACTUATED THE CONTAINMENT AND CONTROL ROOM VENTILATION, THE R-11 ALARM WAS RESET AND CONTAINMENT PURGE WAS RE-INITIATED.

1.	Docket: 50-271 0	PERAT	INGS	TATUS
2.	Reporting Period:8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: _ F. J. BU	RGER (802)	257-7711 X	(136
4.	Licensed Thermal Power (Mk	14):		1593
5.	Nameplate Rating (Gross ML	le):	626 X 0	. 9 = 563
6.	Design Electrical Rating (Net MWe):		514
7.	Maximum Dependable Capacit	y (Gross M	We):	535
8.	Maximum Dependable Capacit	y (Net MWe):	504
9.	If Changes Occur Above Sir	ice Last Re	port, Give	Reasons:
	NONE			
0.	Power Level To Which Restr	icted, If	Any (Net Mu	ve):
1.	Reasons for Restrictions,	If Any:		
	NONE			
		MONTH	YEAR	CUMULATIV
2.	Report Period Hrs	719.0	2,903.0	. 101,761.1
3.	Hours Reactor Critical	706.1	2,782.7	
14.	Rx Reserve Shtdwn Hrs		. 0	
15.	Hrs Generator On-Line	701.7	2,752.4	80,244.
16.	Unit Reserve Shtdwn Hrs	0		
17.	Gross Therm Ener (MWH)	1,061,021	4,246,283	116,406,95
18.	Gross Elec Ener (MWH)	360,710	1,442,688	38,735,76
19.	Net Elec Ener (MWH)	345,774	1,384,243	36,749,25
20.	Unit Service Factor	97.6	94.8	78.
21.	Unit Avail Factor	97.6	94.8	78.
22.	Unit Cap Factor (MDC Net)	95.4	94.6	71.
23.	Jnit Cap Factor (DER Net)	93.6	92.8	70.
	Unit Forced Outage Rate	2.4	5.2	7.
24 -	Ferrend Outson Hours	17.3	150.6	5,041.
24.	Forced uorage noors			
26.	Shutdowns Sched Over Next	6 Months (Type, Date,	Duration):



Report	Period Al	PR 19	84		UN	ІТ SHU	TDOW	NS / R	E D U C T I D N S *********************************
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Act, on to Prevent Recurrence
84-06	04/15/84	5	0.0	В	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT AND OTHER SURVEILLANCE.
84-07	04/16/84	F	17.3	A	3	84-04	CD	VALVOP	DURING TESTING AN INBOARD MSIV WENT FULLY SHUT CAUSING A HIGH STEAM FLOW SIGNAL AND A GROUP I ISOLATION WHICH GENERATED THE SCRAM. CAUSED BY A STUCK SPOUL IN THE ACTUATOR TEST PILOT VALVE. SPOGL VALVE ASSEMBLY CONTAINED DIRT. THE TEST PILOT VALVE WAS REPLACED. SEE LER 84-04.
84-08	04/20/84	S	0.0	В	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN EXCHANGE AND EQUIPMENT SURVEILLANCE.

VERMONT YANKEE OPERATED ROUTINELY DURING APRIL. *******

* SUMMARY *

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

******** **HENEY** JEE VERMONT YANKEE 1 ************************ FACILITY DATA Report Period APR 1º84 FACILITY DESCRIPTION UTILITY & CONTRACTOR INFORMATION LOCATION UTILITY FRAMINGHAM, MASSACHUSETTS 01701 DIST AND DIRECTION FROM NEAREST POPULATION CTR.... 5 MI S OF CONTRACTOR BRATTLEBORD. VT NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC DATE INITIAL CRITICALITY... MARCH 24, 1972 DATE ELEC ENER 1ST GENER... SEPTEMBER 20, 1972 TURBINE SUPPLIER.....GENERAL ELECTRIC DATE COMMERCIAL OPERATE ... NOVEMBER 30, 1972 REGULATORY INFORMATION CONDENSER COOLING METHOD ... COOLING TOWER IE REGION RESPONSIBLE...... CONDENSER COOLING WATER CONNECTICUT RIVER IE RESIDENT INSPECTOR W. RAYMOND ELECTRIC RELIABILITY LICENSING PROJ MANAGER.....V. ROONEY COUNCIL NORTHEAST POWER COORDINATING COUNCIL LICENSE & DATE ISSUANCE.... DPR-28, FEBRUARY 28, 1973 PUBLIC DOCUMENT ROOM BROOKS MEMORIAL LIBRARY 224 MAIN STREET

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 71.105(D) STATES, "THE LICENSEE SHALL PROVIDE FOR INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED." CONTRARY TO THE ABOVE, LICENSEE EMPLOYEES PERFORMING INSPECTION ACTIVITIES AFFECTING QUALITY HAVE NOT BEEN TRAINED IN THE LICENSEE'S TRANSPORTATION PROCEDURES OR DOT AND NRC REGULATORY REQUIREMENTS INVOLVED IN THE TRANSFER, PACKAGING, AND TRANSPORT OF RADIOACTIVE MATERIAL TO ASSURE THAT SUITABLE PROFICIENCY WAS ACHIEVED AND MAINTAINED. THIS IS A SEVERITY LEVEL V VIOLATION. (SUPPLEMENT V) (8402 5)

INSPECTION STATUS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

BRATTLEBORD, VERMONT 05301

Report Period APR 1984

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

2	Docket: 50-029 0	PERAT	INGS	TATUS
٤.	Reporting Period: 04/01/8	4 Outage	+ On-line	Hrs: 719.0
3.	Utility Contact: S. WHIPP	LE (617) 8	72-8100	
4.	Licensed Thermal Power (MW	it):		600
5.	Nameplate Rating (Gross MW	le):	185 X	1.0 = 185
6.	Design Electrical Rating (Net MWe):		175
7.	Maximum Dependable Capacit	y (Gross M	We):	180
8.	Maximum Dependable Capacit	y (Net MWe):	167
9.	If Changes Occur Above Sin	ce Last Re	port, Give	Reasons:
	ITEM 7 CHANGED TO REFLECT	WINTER PER	IOD	
10.	Power Level To Which Restr	icted, If	Any (Net ML	le):
11.	Reasons for Restrictions,	If Any:		
	NONE			
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 205,604.0
13.	Hours Reactor Critical	. 0	1,978.4	163,502.7
14.	Rx Reserve Shtdwn Hrs	. 0		
15.	Hrs Generator On-Line	. 0	1,973.1	158,885.4
16.	Unit Reserve Shtdwn Hrs	. 0		0
17.	Gross Therm Ener (MWH)	0	1, 154, 123	86,037,717
	Gross Elec Ener (MWH)	0	355,301	26,078,167
18.				
18.	Net Elec Ener (MWH)	0	333,288	24,401,677
18.	Net Elec Ener (MWH) Unit Service Factor	0.0	<u>333,288</u> <u>68.0</u>	24,401,677
18. 19. 20.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor	0 0 0	<u>333,288</u> <u>68.0</u> 68.0	24,401,677 77.3 77.3
18. 19. 20. 21. 22.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net)	00 00 00	<u>333,288</u> <u>68.0</u> <u>68.6</u>	24,401,677 77.3 77.3 73.1*
18. 19. 20. 21. 22. 23.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net)	0 0 0 0	<u>333,288</u> <u>68.0</u> <u>68.0</u> <u>68.6</u> <u>65.6</u>	24,401,677 77.3 77.3 73.1* 69.7*
18. 19. 20. 21. 22. 23. 24.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate	0 0 0 0 0 0	<u>333,288</u> <u>68.0</u> <u>68.0</u> <u>68.6</u> <u>65.6</u> <u>9.0</u>	24,401,677
18. 19. 20. 21. 22. 23. 24. 25.	Net Elec Ener (MWH) Unit Service Factor Unit Avail Factor Unit Cap Factor (MDC Net) Unit Cap Factor (DER Net) Unit Forced Outage Rate Forced Outage Hours	0 0. 0. 0 0 0 0 0	<u>333,288</u> <u>68.0</u> <u>68.0</u> <u>68.6</u> <u>65.6</u> <u>9.0</u> <u>196.0</u>	24,401,677 77.3 77.3 73.1* 69.7* 5.3 7,682.4



* Item calculated with a Weighted Average

Report	Period Af	PR 19	84		UN	I T	SHU	TDO	NS	/ R	ED	o u c	τI	0	N	s ******	**************************************	***************************************
No.	Date	Type	Hours	Reason	Method	LER	Number	Syster	n Compo	nent		(Cause	2 8	0	Corrective	Action to Prevent	Recurrence
84-2	03/31/84	s	719.0	с	4			RC	FUEL	XX	REF	UELIN	NG AN	D	MA	AINTENANCE	CONTINUES.	

*********** YANKEE ROWE REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

* SUMMARY *

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

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**** YANKEE-ROWE 1 ******* 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

FACILITY DATA

Report Period APR 1984

UTILITY & CONTRACTOR INFORMATION

UTILITY

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

LICENSE & DATE ISSUANCE.... DPR-3, DECEMBER 24, 1963

PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE 1 COLLEGE DRIVE GREENFIELD, MASSACHUSETTS 01301 INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period AFK 1989	
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INSPECTION STATUS - (CONTINUED)

×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	Ħ	×	×	
*										Y	A	N	K	E	E	-	R	0	W	E		1													×	
*	*	×	×	×	×	×	×	×	×	×	×	×	×	*	×	×	×	×	×	×	×	×	×	h	×	×	×	×	×	×	Ħ	×	×	×	Ħ	

OTHER ITEMS

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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 SUBJECT EVENT REPORT	
NO INPUT PROVIDED.	

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PAGE 2-333

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1.	Docket: _50-295_	OPERA	TINGS	TATUS
2.	Reporting Period:	184 Outag	e + On-line	Hrs: 719.0
3.	Utility Contact: GERRI A	USTIN (312	746-2084	
4.	Licensed Thermal Power (M	IWE):		3250
5.	Nameplate Rating (Gross M	1We):	1220 X	0.9 = 1098
6.	Design Electrical Rating	(Net MWe):		1040
7.	Maximum Dependable Capaci	ty (Gross M	1We):	1085
8.	Maximum Dependable Capaci	ty (Net MW	2):	1040
9.	If Changes Occur Above Si	nce Last Re	eport, Give	Reasons:
10	Power Level To Which Post	ricted If	Any (Not M	
11	Reasons for Postrictions	TE Anu'	any thet h	we).
	NONE	IT ANY.		
	HONE			
12.	Report Period Hrs		2,903.0	20,575.0
13.	Hours Reactor Critical	676.7	1,941.4	64,017.5
14.	Rx Reserve Shtdwn Hrs	0	. 0	2,621.8
15.	Hrs Generator On-Line	668.6	1,826.1	62,294.4
16.	Unit Reserve Shtdwn Hrs		. 0	. 0
17.	Gross Therm Ener (MWH)	2,109,003	5,471,079	175,392,562
18.	Gross Elec Ener (MWH)	694,516	1,793,820	56,513,699
19.	Net Elec Ener (MWH)	669,043	1,719,253	53,622,558
20.	Unit Service Factor	93.0	62.9	68.8
21.	Unit Avail Factor	93.0	62.9	68.8
22.	Unit Cap Factor (MDC Net)	89.5	56.9	56.9
23.	Unit Cap Factor (DER Net)	89.5	56.9	56.9
24.	Unit Forced Outage Rate	7.0	24.9	13.6
25.	Forced Outage Hours	50.4	604.4	9,216.4
26.	Shutdowns Sched Over Next	6 Months (Type,Date,D	uration):





APRIL 1984

27. If Currently Shutdown Estimated Startup Date:

N/A

Report	Period Af	PR 19	84		UN	IT SHU	TDOW	NS / R	E D U C T I O N S * ZION 1 * *********************************
No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	04/02/84	F	18.8	A	3	84-012	RP	VALVEX	REACTOR TRIP "A" STEAM GENERATOR LOW-LOW LEVEL DUE TO GOVERNOR VALVE GOING SHUT.
*	04/03/84	F	31.6	в	4	84-011	ZZ	ZZZZZZ	REACTOR TRIP SR N32 HIGH FLUX TRIP DURING TESTING.

********* ZION I EXPERIENCED 2 REACTOR TRIPS IN APRIL AS NOTED ABOVE.

* SUMMARY *

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

* 210N 1 *			
*************************************	ACILITY DATA Report Period APR 1984		
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION		
LOCATION STATEILLINOIS	UTIVITY LICENSEECOMMONWEALTH EDISON		
COUNTYLAKE	CORPORATE ADDRESS		
DIST AND DIRECTION FROM	CHICAGO, ILLINOIS 60690		
NEAREST POPULATION CTR40 MI N DF CHICAGO, ILL	CONTRACTOR ARCHITECT/ENGINEERSARGENT & LUNDY		
TYPE OF REACTORPWR	NUC STEAM BYS SUPPLIER WESTINGHOUSE		
DATE INITIAL CRITICALITYJUNE 19, 1973	CONSTRUCTOR		
DATE ELEC ENER 1ST GENERJUNE 28, 1973	TURBINE SUPPLIERWESTINGHOUSE		
DATE COMMERCIAL OPERATEDECEMBER 31, 1973	REGULATORY INFORMATION		
CONDENSER COOLING METHOD ONCE THRU	IE REGION RESPONSIBLEIII		
CONDENSER COO' ING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORJ. WATERS		
ELECTRIC RELIABILITY COUNCIL	LICENSING PROJ MANAGERJ. NORRIS DOCKET NUMBER		
	LICENSE & DATE ISSUANCEDPR-39, OCTOBER 19, 1973		
TNED	PUBLIC DOCUMENT ROOMZION - BENTON PUBLIC LIBRARY 2400 GABRIEL AVENUE ZION, ILLINOIS 60099		
INSP	ECTION STATUS		

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 10 - MARCH 20, (84-02): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATION WITH ONE WIDE RANGE RCS PRESSURE INDICATION INOPERABLE; INOPERABLE SNUBBER; ALLEGATION FOLLOWUP; PREFARATION FOR UNIT 2 REFUELING; STARTUP TESTING - UNIT 1 REFUELING; UNIT 1 CILRT; UNIT 2 CONTAINMENT VENTED TO AUXILIARY BUILDING THROUGH MISPOSITIONED VALVE; OPERATIONAL SAFETY AND ESF SYSTEM WALKDOWN; MAINTENANCE; SURVEILLANCE; AND LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 217 HOURS BY TWO NRC INSPECTORS INCLUDING 55 HOURS ONSITE DURING OFF-SHIFTS. OF THE 12

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:" "...1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." (A) GOP-1, "PLANT HEATUP," STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") REQUIRES THAT TWO SI 1 AND TWO SI 2 RELAYS BE MANUALLY RESET AND ANNUNCIATOR "PRESSURIZER SI BLOCKED" BE ENERGIZED PRIOR TO RESTORING POWER TO SAFEGUARDS. CONTRARY TO THE ABOVE, AT 3:38 P.M. ON JANUARY 2, 1984, WITH UNIT 1 IN COLD SHUTDOWN AND REACTOR COOLANT SYSTEM PRESSURE AT 375 PSIG, THE OPERATOR RESET TWO SI B1 RELAYS VICE THE TWO SI 1 AND TWO SI 2 RELAYS, REMOVING THE LOW PRESSURIZER PRESSURE SAFETY INJECTION BLOCK, RESULTING IN A SAFEGUARDS INITIATION UPON RESTORATION OF SAFEGUARDS POWER (B) PT-58, "REACTOR PROTECTION LOGIC TESTS, REACTOR NORMAL," CONCLUDING PROCEDURE REQUIRES THAT THE TRAIN B REACTOR TRIP BYPASS BREAKER BE Report Period APR 1984

ENFORCEMENT SUMMARY

TRIPPED FOLLOWING CLOSURE OF THE TRAIN B REACTOR TRIP BREAKER. CONTRARY TO THE ABOVE, AT 4:00 P.M. ON JANUARY 6, 1984, WHILE PERFORMING THE CONCLUDING PROCEDURE OF PT-5B, THE OPERATOR RACKED OUT THE TRAIN A REACTOR TRIP BYPASS BREAKER VICE THE TRAIN B REACTOR TRIP BYPASS BREAKER, TRIPPING UNIT 2 FROM FULL POWER, AND (C) GOP-4, "PLANT SHUTDOWN AND COOLDOWN," STEP 46 REQUIRES THAT WHEN REACTOR COOLANT SYSTEM PRESSURE HAS BEEN REDUCED BELOW 1915 PSIG, BOTH PRESSURIZER PRESSURE SAFETY INJECTION BLOCK SWITCHES BE TURNED TO THE "BLOCK" POSITION AND THE "PRESSURIZER SI BLOCKED" ANNUNCIATOR BE VERIFIED ILLUMINATED. CONTRARY TO THE ABOVE, ON JANUARY 20, 1984, DURING COOLDOWN OF UNIT 1, THE OPERATOR REDUCED REACTOR COOLANT SYSTEM PRESSURE BELOW 1915 PSIG AND FAILED TO JANUARY 20, 1984, DURING COOLDOWN OF UNIT 1, THE OPERATOR REDUCED REACTOR COOLANT SYSTEM PRESSURE BELOW 1915 PSIG AND FAILED TO SAFETY INJECTION OCCURRED AT 9:15 A.M., WHEN REACTOR COOLANT SYSTEM PRESSURE REACHED 1815 PSIG. (8326 4)

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:""...1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY.""...11. FIRE PROTECTION PROGRAM IMPLEMENTATION." (A) ZAP-02A, "FIRE PROTECTION SURVEILLANCE PROCEDURES," REQUIRE THAT NO COMBUSTIBLE MATERIALS BE STORED IN THE AUXILIARY BUILDING IN OTHER THAN APPROVED AREAS. CONTRARY TO THE ABOVE, ON JANUARY 23, 1984, NUMEROUS CONTAINERS OF FLAMMABLE AND COMBUSTIBLE MATERIAL WERE STORED ON TOP OF A CONTRACTOR TOOL STORAGE BOX ON THE 617 FEET LEVEL OF THE AUXILIARY BUILDING, AND (B) GOP-1, "PLANT HEATUP" REQUIRES REACTOR COOLANT SYSTEM TEMPERATURE BE MAINTAINED BELOW 200 DEGREES F UNTIL SAFEGUARDS ARE RESTORED TO THE OPERATING MODE. CONTRARY TO THE ABOVE, BETWEEN 8:38 A.M. AND 8:50 A.M. ON FEBRUARY 3, 1984, REACTOR COOLANT SYSTEM TEMPERATURE EXCEEDED 200 DEGREES F. PRIOR TO COMPLETIOM OF STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") OF GOP-1. (8326 5)

10 CFR 20.203(C)(2) REQUIRES THAT EACH ENTRANCE OR ACCESS POINT TO A HIGH RADIATION AREA NOT EQUIPPED WITH A CONTROL DEVICE, BE MAINTAINED LOCKED EXCEPT DURING PERIODS WHEN ACCESS TO THE AREA IS REQUIRED. CONTRARY TO THE ABOVE, ON DECEMBER 7, 1983, THE DOOR TO THE CONCENTRATES HOLDING TANK ROOM WAS FOUND OPEN AND UNGUARDED. THIS ROOM IS A POSTED HIGH RADIATION ARCA. THE DOOR IS NOT EQUIPPED WITH AN ALARM OR CONTROL DEVICE. TECHNICAL SPECIFICATIONS 6.2.4 AND 6.2.8 REQUIRE, IN PART, THAT MAINTENANCE AND RADIATION PROTECTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO. (A) MAINTENANCE PROCEDURE P/RC000-1N, "REMOVAL AND INSTALLATION OF THE PRIMARY MANWAY COVERS ON THE STEAM GENERATORS," STATES IN PART, "CLEAN THE INSERT (DIAPHRAGM) TO REMOVE RESIDUE USING A FLAT BRASS SCRAPER AND FINE EMERY CLOTH." CONTRARY TO THE ABOVE, ON NOVEMBER 2, 1983, ONE ON THE "A" STEAM GENERATOR INSERTS WAS CLEANED WITH AN ELECTRIC MOTOR DRIVEN ROTARY BRUSH. THIS ACTIVITY APPEARS TO HAVE CAUSED SIGNIFICANT AIRBORNE RADIOACTIVITY WITHIN THE UNIT 1 CONTAINMENT WHICH RESULTED IN SEVERAL WORKERS BECOMING INTERNALLY AND EXTERNALLY CONTAMINATED, (B) RADIATION PROTECTION PROCEDURE RP 1310-2, "CONTAINMENT AIR SAMPLING DURING A REFUELING OUTAGE," STATES THAT AIR SAMPLES SHOULD BE COLLECTED IN CLOSE PROXIMITY OF THE WORKER TO ASSURE THAT A REPRESENTATIVE SAMPLE IS OBTAINED AND THAT THE PROPER RESPIRATORY EQUIPMENT IS PRESCRIBED. ALSO, PARTICULATE AND IODINE AIR SAMPLES WILL BE OBTAINED DURING JOBS INVOLVING HIGHLY CONTAMINATED MATERIALS. CONTRARY TO THE ABOVE, NO AIR SAMPLES WERE TAKEN IN THE VICINITY OF THE "A" STEAM GENERATOR PLATFORM WHILE WORKERS WERE CLEANING THE MANWAY COVER, INSERT, AND BOLT HOLES. THESE ITEMS WERE HIGHLY CONTAMINATED AND THE METHOD USED TO CLEAN THE ITEMS (ELECTRIC MOTOR DRIVEN WIRE BRUSH) APPEARS TO HAVE CAUSED SIGNIFICANT AIRBORNE RADIOACTIVITY. THIS IS & REPEAT VIOLATION, AND (C) CONTRARY TO THE ABOVE, ON NOVEMBER 10, 1983, A RADIATION/CHEMISTRY TECHNICIAN, A HEALTH PHYSICIST, AND AN INSTRUMENT MAINTENANCE TECHNICIAN CALIBRATED RADIATION MONITOR ARO-4 WITHOUT AN APPROVED PROCEDURE. 10 CFR 20.201(B) STATES THAT EACH LICENSEE SHALL MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS (1) MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS OF THIS PART, AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. AS USED IN THE REGULATIONS IN THIS PART, "SURVEY" MEANS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. WHEN APPROPRIATE, SUCH EVALUATION INCLUDES A PHYSICAL SURVEY OF THE LOCATION OF MATERIALS AND EQUIPMENT, AND MEASUREMENTS OF LEVELS OF RADIATION OR CONCENTRATIONS OF RADIOACTIVE MATERIAL PRESENT. (A) CONTRARY TO THE ABOVE, ON NOVEMBER 10, 1983, A RADIATION/CHEMISTRY TECHNICIAN FAILED TO PERFORM A RADIATION SURVEY OR OTHER EVALUATION TO ASSESS THE EXTREMITY EXPOSURE CONSEQUENCES OF PICKING UP & 524 MILLICURIE CS-137 SOURCE WITH HIS HAND IN ORDER TO RETURN IT TO ITS SHIELDED CONTAINER FROM WHICH THE SOURCE HAD FALLEN. THE TECHNICIAN HANDLED THE SOURCE A SECOND TIME WHILE REPRIENTATING THE SOURCE IN THE SHIELDED CONTAINER. AGAIN, NO RADIATION SURVEY OR OTHER EVALUATION WAS PERFORMED TO DETERMINE THE EXTREMITY EXPOSURE CONSEQUENCES OF HANDLING THE SOURCE. THE EXTREMITY DOSE RECEIVED IS ESTIMATED TO BE ABOUT 4.5 REMS, AND (B) CONTRARY TO THE ABOVE, ON NOVEMBER 2, 1983 THE LICENSEE ALLOWED WORKERS ON "A" STEAM GENERATOR PLATFORM TO USE AN ELECTRIC MOTOR DRIVEN WIRE BRUSH TO CLEAN HIGHLY CONTAMINATED

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

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ENFORCEMENT SUMMARY

STEAM GENERATOR PARTS WITHOUT PERFORMING AN EVALUATION OF THE RADIATION HAZARDS ASSOCIATED WITH THIS WORK. THIS INCLUDES: FAILURE TO EVALUATE THE NEED FOR ENGINEERING CONTROLS TO LIMIT THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR; FAILURE TO EVALUATE THE CONSEQUENCES OF THE CLEANING OPERATION ON WORKERS PERFORMING OTHER WORK IN CLOSE PROXIMITY TO THIS AREA; AND FAILURE TO EVALUATE THE ADEQUACY OF THE RESPIRATORY EQUIPMENT PROVIDED THE WORKERS PERFORMING THE CLEANING OPERATION. TECHNICAL SPECIFICATION SECTION 6.2. A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO: " ... 1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." (A) GOP-1, "PLANT HEATUP," STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") REQUIRES THAT TWO SI 1 AND TWO SI 2 RELAYS BE MANUALLY RESET AND ANNUNCIATOR "PRESSURIZER SI BLOCKED" BE ENERGIZED PRIOR TO RESTORING POWER TO SAFEGUARDS. CONTRARY TO THE ABOVE, AT 3:38 P.M. ON JANUARY 2, 1984, WITH UNIT 1 IN COLD SHUTDOWN AND REACTOR COOLANT SYSTEM PRESSURE AT 375 PSIG, THE OPERATOR RESET TWO SI B1 RELAYS VICE THE TWO SI 1 AND TWO SI 2 RELAYS, REMOVING THE LOW PRESSURIZER PRESSURE SAFETY INJECTION BLOCK, RESULTING IN A SAFEGUARDS INITIATION UPON RESTORATION OF SAFEGUARDS POWER (B) FT-58, "REACTOR PROTECTION LOGIC TESTS, REACTOR NORMAL," CONCLUDING PROCEDURE REQUIRES THAT THE TRAIN B REACTOR TRIP BYPASS BREAKER BE TRIPPED FOLLOWING CLOSURE OF THE TRAIN B REACTOR TRIP BREAKER. CONTRARY TO THE ABOVE, AT 4:00 P.M. ON JANUARY 6, 1984, WHILE PERFORMING THE CONCLUDING PROCEDURE OF PT-5B, THE OPERATOR RACKED OUT THE TRAIN A REACTOR TRIP BYPASS BREAKER VICE THE TRAIN B REACTOR TRIP BYPASS BREAKER, TRIPPING UNIT 2 FROM FULL POWER, AND (C) GOP-4, "PLANT SHUTDOWN AND COOLDOWN," STEP 46 REQUIRES THAT WHEN REACTOR COOLANT SYSTEM PRESSURE HAS BEEN REDUCED BELOW 1915 PSIG, BOTH PRESSURIZER PRESSURE SAFETY INJECTION BLOCK SWITCHES BE TURNED TO THE "BLOCK" POSITION AND THE "PRESSURIZER SI BLOCKED" ANNUNCIATOR BE VERIFIED ILLUMINATED. CONTRARY TO THE ABOVE, ON JANUARY 20, 1984, DURING COOLDOWN OF UNIT 1, THE OPERATOR REDUCED REACTOR COOLANT SYSTEM PRESSURE BELOW 1915 PSIG AND FAILED TO BLOCK BOTH TRAINS OF LOW PRESSURIZER PRESSURE SAFETY INJECTION. AS A RESULT, A SAFETY INJECTION OCCURRED AT 9:15 A.M., WHEN REACTOR COOLANT SYSTEM PRESSURE REACHED 1815 PSIG. (8327 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 21 - APRIL 9, 1984

INSPECTION REPORT NO: 84-03

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1.	Docket: 50-304 0	PERAT	ING S	TATUS	
2.	Reporting Period: 04/01/8	4 Outage	+ On-line	Hrs: 719.0	
3.	Utility Contact:GERRI AU	STIN (312)	746-2084		
4.	Licensed Thermal Power (MW	3250			
5.	5. Nameplate Rating (Gross MWe): 1220 X				
6.	6. Pasign Electrical Rating (Net MWe):				
7.	Maximum Dependable Capacit	1085			
8.	Maximum Dependable Capacit	1040			
9.	If Changes Occur Above Sin	port, Give	Reasons:		
	NONE		State of the		
10.	Power Level To Which Restr	icted, If	Any (Net M	We):	
11.	Reasons for Restrictions,	If Any:	1		
	NONE				
12.	Report Period Hrs	MONTH 719.0	YEAR 2,903.0	CUMULATIVE 84,288.0	
13.	Hours Reactor Critical	. 0	2,032.0	61,257.0	
14.	Rx Reserve Shtdwn Hrs	. 0	. 0	226.1	
15.	Hrs Generator On-Line	. Q	2,017.6		
16.	Unit Reserve Shtdwn Hrs	. 0			
17.	Gross Therm Ener (MWH)	0	6,204,923	171,121,006	
18.	Gross Elec Ener (MWH)	0	2,029,823	54,733,860	
19.	Net Elec Ener (MWH)	-5,300	1,940,444	52,017,389	
20.	Unit Service Factor	. 0	69.5	70.6	
21.	Unit Avail Factor	. 0	69.5	70.6	
22.	Unit Cap Factor (MDC Net)	. 0	64.3	59.3	
23.	Unit Cap Factor (DER Net)	. 0	64.3	59.3	
24.	Unit Forced Outage Rate	. 0	2.3	17.2	
25.	Forced Outage Hours	. 0	48.2	12,424.9	
26.	Shutdowns Sched Over Next (NONE	6 Months (Type,Date,I)uration):	

27. If Currently Shutdown Estimated Startup Date: _____06/09/84

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APRIL 1984

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Report	Period Al	PR 19	84		UN	I T	SHU	TD	0 6	N	s /	R	Εī	u u	с	TI	1 0	н	s	***	***	********	ZION	2	****	*****	****	*	
No.	Date	Type	Hours	Reason	Method	LE	R Number	Svs	sten	<u>C</u>	ompon	ent			C	au	50	8	Ço	rrecti	ive	Action t	to Pri	event	Ren	curre	ence		-
3	03/27/84	s	719.0	с	4			8	25	1	FUELX	x	COM	ITI	NUE	D (CYC	LE	V	II-VII	II	REFUELING	G OUT	AGE.					

******** * SUMMARY *

ZION 2 CONTINUED THROUGHOUT APRIL IN A REFUELING OUTAGE.

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

PAGE 2-341

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ACILITY DATA
FACILITY DESCRIPTION	UTILITY & CONTRACTOR INFORMATION
LOCATION STATEILLINOIS	UTILITY LICENSEECOMMONWEALTH EDISON
COUNTYLAKE	CORPORATE ADDRESS
DIST AND DIRECTION FROM	CHICAGO, ILLINOIS 60690
CHICAGO, ILL	CONTRACTOR ARCHITECT/ENGINEERSARGENT & LUNDY
TYPE OF REACTORPWR	NUC STEAM SYS SUPPLIERWESTINGHOUSE
DATE INITIAL CRITICALITYDECEMBER 24, 1973	CONSTRUCTOR
DATE ELEC ENER 1ST GENERDECEMBER 26, 1973	TURBINE SUPPLIERNONE
DATE COMMERCIAL OPERATESEPTEMBER 17, 1974	REGULATORY INFORMATION
CONDENSER COOLING METHODONCE THRU	IE REGION RESPONSIBLEIII
CONDENSER COOLING WATERLAKE MICHIGAN	IE RESIDENT INSPECTORJ. WATERS
ELECTRIC RELIABILITY COUNCILMID-AMERICA INTERPOOL NETWORK	LICENSING PROJ MANAGERJ. NORRIS DOCKET NUMBER
	LICENSE & DATE ISSUANCE DPR-48, NOVEMBER 14, 1973
	PUBLIC DOCUMENT ROOMZION - BENTON PUBLIC LIBRARY 2400 GABRIEL AVENUE ZION, THINOIS 60000
INSP	FCTTON STATUE

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 10 - MARCH 20, (84-02): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATION WITH ONE WIDE RANGE RCS PRESSURE INDICATION INOPERABLE; IN PERABLE SNUBBER; ALLEGATION FOLLOWUP; PREPARATION FOR UNIT 2 REFUELING; STARTUP TESTING - UNIT 1 REFUELING; UNIT 1 CLRT; UNIT 2 CONTAINM NT VENTED TO AUXILIARY BUILDING THROUGH MISPOSITIONED VALVE; OPERATIONAL SAFETY AND ESF SYSTEM WALKDOWN; MAINTENANCE; SURVIILLANCE; AND LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 217 HOURS BY TWO NRC INSPECTORS INCLUDING 55 HOURS ONSITE DURING OFF-SHIFTS. OF THE 12

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOF," LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:" "...1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." "...11. FIRE PROTECTION PROGRAM IMPLEMENTATION." (A) ZAP-02A, "FIRE PROTECTION SURVEILLANCE PROCEDURES." REQUIRE THAT NO COMBUSTIBLE MATERIALS BE STORED IN THE AUXILIARY BUILDING IN OTHER THAN ON TOP OF A CONTRARY TO THE ABOVE, ON JANUARY 23, 1984, NUMEROUS CONTAINERS OF FLAMMABLE AND COMBUSTIBLE MATERIAL WERE STORED ON TOP OF A CONTRACTOR TOOL STORAGE BOX ON THE 617 FEET LEVEL OF THE AUXILIARY BUILDING, AND (B) GOP-1, "PLANT HEATUP" REQUIRES REACTOR COOLANT SYSTEM TEMPERATURE BE MAINTAINED BELOW 200 DEGREES F UNTIL SAFEGUARDS ARE RESTORED TO THE OPERATING MODE. CONTRARY TO THE ABOVE, BETWEEN 8:38 A.M. AND 8:50 A.M. ON FEBRUARY 3, 1984, REACTOR COOLANT SYSTEM TEMPERATURE EXCEEDED 200

PAGE 2-342

INSPECTION STATUS - (CONTINUED)

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ENFORCEMENT SUMMARY

DEGREES F. PRIOR TO COMPLETION OF STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") OF GOP-1. (8327 5)

10 CFR 20.203(C)(2) REQUIRES THAT EACH ENTRANCE OR ACCESS POINT TO A HIGH RADIATION AREA NOT EQUIPPED WITH A CONTROL DEVICE, BE MAINTAINED LOCKED EXCEPT DURING PERIODS WHEN ACCESS TO THE AREA IS REQUIRED. CONTRARY TO THE ABOVE, ON DECEMBER 7, 1983, THE DOOR TO THE CONCENTRATES HOLDING TANK ROOM WAS FOUND OPEN AND UNGUARDED. THIS ROOM IS A POSTED HIGH RADIATION AREA. THE DOOR IS NOT EQUIPPED WITH AN ALARM OR CONTROL DEVICE. TECHNICAL SPECIFICATIONS 6.2. A AND 6.2. B REQUIRE, IN PART, THAT MAINTENANCE AND RADIATION PROTECTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO (A) MAINTENANCE PROCEDURE P/RC000-1N, "REMOVAL AND INSTALLATION OF THE PRIMARY MANWAY COVERS ON THE STEAM GENERATORS," STATES IN PART, "CLEAN THE INSERT (DIAPHRAGM) TO REMOVE RESIDUE USING A FLAT BRASS SCRAPER AND FINE EMERY CLOTH." CONTRARY TO THE ABOVE, ON NOVEMBER 2, 1983, ONE ON THE "A" STEAM GENERATOR INSERTS WAS CLEANED WITH AN ELECTRIC MOTOR DRIVEN ROTARY BRUSH. THIS ACTIVITY APPEARS TO HAVE CAUSED SIGNIFICANT AIRBORNE RADIOACTIVITY WITHIN THE UNIT 1 CONTAINMENT WHICH RESULTED IN SEVERAL WORKERS BECOMING INTERNALLY AND EXTERNALLY CONTAMINATED, (B) RADIATION PROTECTION PROCEDURE RP 1310-2, "CONTAINMENT AIR SAMPLING DURING A REFUELING OUTAGE," STATES THAT AIR SAMPLES SHOULD BE COLLECTED IN CLOSE PROXIMITY OF THE WORKER TO ASSURE THAT A REPRESENTATIVE SAMPLE IS OBTAINED AND THAT THE PROPER RESPIRATORY EQUIPMENT IS PRESCRIBED. ALSO, PARTICULATE AND IODINE AIR SAMPLES WILL BE OBTAINED DURING JOBS INVOLVING HIGHAY CONTAMINATED MATERIALS. CONTRARY TO THE ABOVE, NO AIR SAMPLES WERE TAKEN IN THE VICINITY OF THE "A" STEAM GENERATOR PLATFORM WHILE WORKERS WERE CLEANING THE MANWAY COVER, INSERT, AND BOLT HOLES. THESE ITEMS WERE HIGHLY CONTAMINATED AND THE METHOD USED TO CLEAN THE ITEMS (ELECTRIC MOTOR DRIVEN WIRE BRUSH) APPEARS TO HAVE CAUSED SIGNIFICANT AIRBORNE RADIOACTIVITY. THIS IS A REPEAT VIOLATION, AND (C) CONTRARY TO THE ABOVE, ON NOVEMBER 10, 1983, A RADIATION/CHEMISTRY TECHNICIAN, A HEALTH PHYSICIST, AND AN INSTRUMENT MAINTENANCE TECHNICIAN CALIBRATED RADIATION MONITOR ARO-4 WITHOUT AN APPROVED PROCEDURE. 19 CFR 20.201(B) STATES THAT EACH LICENSEE SHALL MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS (1) MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS OF THIS PART, AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. AS USED IN THE REGULATIONS IN THIS PART, "SURVEY" MEANS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. WHEN APPROPRIATE, SUCH EVALUATION INCLUDES A PHYSICAL SURVEY OF THE LOCATION OF MATERIALS AND EQUIPMENT, AND MEASUREMENTS OF LEVELS OF RADIATION OR CONCENTRATIONS OF RADIOACTIVE MATERIAL PRESENT. (A) CONTRARY TO THE ABOVE, ON NOVEMBER 10, 1983, A RADIATION/CHEMISTRY TECHNICIAN FAILED TO PERFORM A RADIATION SURVEY OR OTHER EVALUATION TO ASSESS THE EXTREMITY EXPOSURE CONSEQUENCES OF PICKING UP & 524 MILLICURIE CS-137 SOURCE WITH HIS HAND IN ORDER TO RETURN IT TO ITS SHIELDED CONTAINER FROM WHICH THE SOURCE HAD FALLEN. THE TECHNICIAN HANDLED THE SOURCE A SECOND TIME WHILE REORIENTATING THE SOURCE IN THE SHIELDED CONTAINER. AGAIN, NO RADIATION SURVEY OR OTHER EVALUATION WAS PERFORMED TO DETERMINE THE EXTREMITY EXPOSURE CONSEQUENCES OF HANDLING THE SOURCE. THE EXTREMITY DOSE RECEIVED IS ESTIMATED TO BE ABOUT 4.5 REMS, AND (B) CONTRARY TO THE ABOVE, ON NOVEMBER 2, 1983 THE LICENSEE ALLOWED WORKERS ON "A" STEAM GENERATOR PLATFORM TO USE AN ELECTRIC MOTOR DRIVEN WIRE BRUSH TO CLEAN HIGHLY CONTAMINATED STEAM GENERATOR PARTS WITHOUT PERFORMING AN EVALUATION OF THE RADIATION HAZARDS ASSOCIATED WITH THIS WORK. THIS INCLUDES: FAILURE TO EVALUATE THE NEED FOR ENGINEERING CONTROLS TO LIMIT THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR; FAILURE TO EVALUATE THE CONSEQUENCES OF THE CLEANING OPERATION ON WORKERS PERFORMING OTHER WORK IN CLOSE PROXIMITY TO THIS AREA: AND FAILURE TO EVALUATE THE ADEQUACY OF THE RESPIRATORY EQUIPMENT PROVIDED THE WORKERS PERFORMING THE CLEANING OPERATION. (8328 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

PAGE 2-343

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OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT SHUT DOWN ON 3/27/84 TO BEGIN & 78 DAY REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 21 - APRIL 9, 1984

INSPECTION REPORT NO: 84-03

REPORTS FROM LICENSEE

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NUMBER	EVENT	REPORT	SUBJECT
84-06	06/02/83	04/04/84	2 WIDE RANGE REACTOR COOLANT SYSTEM PRESSURE CHANNELS DIFFERED BY MORE THAN ALLOWED TOLERANCE
84-07	03/27/84	04/26/84	REACTOR TRIP DURING TURBINE OVERSPEED TEST.
84-08	03/12/84	04/11/84	INOPERABLE SAFETY RELATED SNUBBER.
84-09	03/20/84	04/19/84	ISO. VALVE SEAL WATER SYSTEM TS LIMIT EXCEEDED.
84-10	03/30/84	04/19/84	INADVERTENT SOURCE RANGE HIGH FLUX TRIP WHILE IN CSD.



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FACILITY	ASSE	MBL.	IES)	(FUEL	AS	SEME	BLIE	5)		STO	RED)	(NO	. 0	FA	SSE	EMB	LIF	51	(N	0	OF	ASC	FMBI	TEST) 5	CHED DATE		AUTH CA	PACITY
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ARKANSAS 1			177			988				316	÷					67	12										N/S		1998	
AKKANSAS 2			177			988				168	6. T					82	20										N/S		2003	
BEAVER VALLEY	1		157			833				52	£					78	31										N/S		1995	
CALVERT CLIFFS	1		217		1	8300	c)		1	868	(c)	10.1				96	51(c)(m)			1	098	3			03-85		1991	
CALVERT CLIFFS	2		217																								N/S		1991	
CUUK 1			193		2	0500	c)			553	(c)	1				149	97(c)									N/S		1994	
COVETA DIVER			193		1.1																						N/S			
CRISIAL RIVER	3		1//		1	163				171						99	92										H/S		1997	
DIARIO CANYON			1//			735				140						59	95										N/S		1993	
EADLEY 1		÷.,																				1.15								
FARLET I		1.15	12/			6/5				114						56	1					1	293	5			N/S		1991	
FORT CALLOUN 4		1.1	137			770			1.1	02						61	13					1	345	×			N/S		1994	
GINNA			133			129				305						92	9										N/S		1985	
HADDAM NECK			157			393			3	540						23	22										N/S		1992	
INDIAN POINT 1			157		- 1	100				+73						6/	5										06-84		1994	
INDIAN POINT 2			103			200				100						12	8										N/S			
INDIAN POINT 3			501			902				00						20	4						980				05-84		1984	
KEWAUNEE			121			03/				140						70	121.										N/S		1993	
MAINE YANKEE			217			953			1	177						16	211	n 2					170				N/S		1991	
MCGUIRE 1			193			500				05						21	0					1	0/0				N/5		1987	
MCGUIRE 2		1.1				200				13						40	12(1						244				N/S		1990	
MILLSTONE 2			217		1.1	667				176						20														
NORTH ANNA 1			157			1440	c)		1	116	(c)					85	0										N/S		1987	
NORTH ANNA 2			157				~,									0.											05-84		1991	
OCONEE 1			177		1	3120	11		11	23						18	91	110	2)								00-09		1990	
OCONEE 2			177																								N/S		1991	
OCONEE 3			177			825				72						75	3										N/S			
PALISADES		2	204			784			4	80						30	4										NIS		1099	
POINT BEACH 1		1	121		1	058(c)		4	84	(c)					107	80	-)									NIS		1900	
POINT BEACH 2		1	121													-											NIS		1772	
PRAIRIE ISLAND	1	1	121		1	0170	c)		5	61	(c)					45	6(:)(m)			- A	720	1.1			N/S		1988	
PRAIRIE ISLAND	2	. 1	121																								08-84		1700	
RANCHO SECO 1			177			579			2	80						29	9										10-84		1987	
ROBINSON 2		1	157		13	276			1	52						12	4(4	2)					431				N/S		1985()	2
SALEM 1		1	93		1	170			2	12						95	8										05-84		1996	9.
SALEM 2		1	93		1	170				72						109	8										N/S		2000	
SAN UNUFRE 1		- 13	57		-	216				94						12	2										N/S		1985	
SAN UNUFRE 2		2	17			800				0						80	0										N/S			
SAN UNUFRE 3		2	17			800				0						80	0										N/S			
SEQUOYAH 2(-1)			93			800				65						73	5										N/S		1993	
SEQUUTAN 2(0)		1	93			800				65						73	5										N/S		1994	
ST LUCIE 1		2				128			3	52						37	6										N/S		1990	
SIMMED 1			57														-													
SUPPY 1			57			200	- 2			0						68	2					1;	276				N/S			
SUPPY 2			57		- 11	044(C)		2	20	(c)					98	4((:)									N/S		1987	
JUANT E		1	21																								N/S			

* PRESSURIZED* STATU	IS OF SP	ENT F	UEL STORA	GE CAPABIL	ITY	
* WATER *						
* REACTORS * (a)				REMAINING CAPACITY		
************* CORE SIZE	PRESENT AUTH.	NO. OF		IF PENDING REQUEST		(b)
(NO. OF	STORAGE POOL CAP.	ASSEMBLIES	REMAINING CAPACITY	APPROVED	NEXT REFUEL	WILL FILL PRESENT
FACILITY ASSEMBLIES)	(FUEL ASSEMBLIES)	STORED	(NO. OF ASSEMBLIES)	(NO. OF ASSEMBLIES)	SCHED. DATE	AUTH. CAPACITY
*******	*******	*******	*************	*****	*******	******
THREE MILE ISLAND 1 177	752	208	544		N/S	1986
THREE MILE ISLAND 2 177	462	0	442		N/S	1986
TROJAN 193	651	312	339		N/S	1990
TURKEY POINT 3 157	621	445	175(m)		N/5	1987
TURKEY POINT 4 157	621	430	191		N/S	1988
YANKEE-ROWE 1 76	391	250	141	471	N/S	1988
ZION 1 193	2112(c)	863(c)	1249(c)		N/S	1995
ZION 2 193					N/S	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(i) 315	385 MTU(j)	1490 MTU(j)
NES(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 PWRassemblies 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.

(1) This is the station total.

(m) Installed capacity is less than that authorized.

(n) McGuire 1 authorized to accept Oconee fuel assemblies.

Report Period APR 1984

N/S = Not Scheduled

* BOILLING * 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 * WATER * * REACTORS * (a) * REMAINING CAPACITY T P WATER * (b) * NO. OF STORAGE POOL CAP. ASSEMBLIES PRESENT AUTH. NO. OF STORAGE POOL CAP. ASSEMBLIES STORAGE POOL CAP. ASSEMBLIES STORAGE POOL CAP. ASSEMBLIES NC. OF ASSEMBLIES NEXT REFUEL WILL PRESENT ************************************	新装装装装装装装装装装装装																																								
R EACTORS # (a) PRESENT AUTH. NO. OF PREMAINING CAPACITY NEXT REFUEL NEXT REFUEL </th <th>* BOILING * * WATER *</th> <th>S</th> <th>T</th> <th>A 1</th> <th>r u</th> <th>s</th> <th>(</th> <th>) F</th> <th></th> <th>5 1</th> <th>P </th> <th>EN</th> <th>T</th> <th></th> <th>F</th> <th>U</th> <th>Ε</th> <th>ι</th> <th>1</th> <th>5 1</th> <th>1 0</th> <th>R</th> <th>A</th> <th>G</th> <th>E</th> <th></th> <th>c</th> <th>A P</th> <th>A</th> <th>B</th> <th>ΙI</th> <th>L 1</th> <th>т</th> <th>۲</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	* BOILING * * WATER *	S	T	A 1	r u	s	() F		5 1	P	EN	T		F	U	Ε	ι	1	5 1	1 0	R	A	G	E		c	A P	A	B	ΙI	L 1	т	۲							
************************************	* REACTORS *	(a)	£																				1.3	DEN	6 A T	NT	204	CAL	DAC	TTY	1									
FACILITY ASSEMBLIES FUEL ASSEMBLIES STORED (NO. OF ASSEMBLIES) CHORE ASSEMBLIES STORED (NO. OF ASSEMBLIES) CHORE ASSEMBLIES STORE ASSEMB	**********	CORE	5	IZE	E	PR	ESE	ENT	AU	TH.	þ	45	NO	. 0	F		EM	ATA	TN		AP		TTV	, 1	IF	PE	ND	ING	R	EQU	EST	ŕ.	EVI		cene			!	(b)		
BIG ROCK POINT 1 84 193 152 41 289 08-84 1986 BROWNS FERRY 1 764 3471 1068 2403 07-84 1985 BROWNS FERRY 2 764 3471 889 601(m) 2582 08-84 1985 BROWNS FERRY 3 764 3471 1768 150(m) 1703 M/5 1985 BRUNSWICK 1 560 (f) 160PWR+656BWR 2116 1703 M/5 1986 COPER STATION 548 2366 848 1518 N/5 1986 DRESDEN 1 644 672 221 451 N/5 1986 DRESDEN 2 724 2659(c) 2014 (c) 996(c) 6129(c) N/5 1995 DUANE ARNOLD 368 2050 576 1474 N/5 1991 HATCH 1 560 3021 0 3021 N/5 1999 HATCH 2 560 2244 816 1428 <t< td=""><td>FACILITY</td><td>ASSEN</td><td>IBL</td><td>IES</td><td>5) (</td><td>(FUE</td><td>L /</td><td>1558</td><td>MB</td><td>LIE</td><td>5)</td><td>**</td><td>ST **</td><td>GRE</td><td>D</td><td>()</td><td>10.</td><td>OF</td><td>A .</td><td>SSE</td><td>MB</td><td>LI</td><td>ES)</td><td>(</td><td>NO.</td><td>0</td><td>F</td><td>ASS</td><td>EM</td><td>BLI</td><td>ES)</td><td>) 5 *</td><td>CHI</td><td>ED.</td><td>DAT</td><td>E</td><td>AU</td><td>TH.</td><td>CAP</td><td>ACIT</td><td>Y</td></t<>	FACILITY	ASSEN	IBL	IES	5) ((FUE	L /	1558	MB	LIE	5)	**	ST **	GRE	D	()	10.	OF	A .	SSE	MB	LI	ES)	(NO.	0	F	ASS	EM	BLI	ES)) 5 *	CHI	ED.	DAT	E	AU	TH.	CAP	ACIT	Y
BROUNNS FERRY 1 764 3471 1028 2403 2697 00-84 1985 BROUNS FERRY 2 764 3471 1088 2403 07-84 1985 BROUNS FERRY 3 764 3471 1068 2403 07-84 1985 BROUNS FERRY 3 764 3471 1768 150(m) 2582 08-84 1985 BRUNSWICK 1 560 (f) 160PWR+656BWR 2116 1703 N/5 1986 BRUNSWICK 2 560 (f) 164PWR+564BWR 2208 N/5 1986 COPPER STATION 548 2366 848 1518 N/5 1996 DRESDEN 1 464 672 221 451 N/5 1996 DRESDEN 3 724 2014 (c) 996(c) 6129(c) N/5 1985 DUANE ARNOLD 368 2050 576 1474 N/5 1991 HATCH 1 560 3021 0 3021 N/5	BIG ROCK POINT	1		84				14	20				15	2							6.1																	101			
BROUMS FERRY 2 764 3471 889 601(m) 2582 06-84 1985 BROUNS FERRY 3 764 3471 1768 150(m) 1703 N/5 1985 BROUNS FERRY 3 764 3471 1768 150(m) 1703 N/5 1985 BRUNSWICK 1 560 (f) 160PWR+656BWR 2116 1703 N/5 1986 COPER STATION 548 2366 848 1518 N/5 1986 COPER STATION 548 2366 848 1518 N/5 1986 DRESDEN 1 464 672 221 451 N/5 1996 DRESDEN 2 724 2659(c) 2014 (c) 996(c) 6129(c) H/5 1985 DUANE ARNOLD 368 2050 576 1474 H/5 1996 DUANE ARNOLD 368 2050 576 1474 H/5 1997 HATCH 1 560 3021 0 3021 H/5 1999 HATCH 2 560 2750 1284 1466 H/5 1999 LASALLE 2 72 487 251 233 N/5 1991 MILLSTONE 1 58	BROWNS FERRY 1			764				347	1			. 1	06	8						26	03							107						10-1	07			190	00		
BROWNS FERRY 3 764 3771 007	BROWNS FERRY 2			764				347					8 8	0							0.1	1-											- 5	17-	09			198	52		
BRUNSWICK 1 560 0 ft) 160 PWR+656 BWR 116 1703 N/5 1985 BRUNSWICK 2, 560 144PWR+564 BWR 2208 N/5 1986 COOPER STATION 548 2366 868 1518 N/5 1986 DRESDEN 1 464 672 221 451 N/5 1996 DRESDEN 2 724 2659(c) 2014 (c) 996(c) 6129(c) N/5 1985 DRESDEN 3 724 0 3021 N/5 1990 1998 DUANE ARNOLD 368 2050 576 1474 N/5 1991 HATCH 1 560 2244 816 1428 N/5 1999 HATCH 2 560 2750 1284 1466 N/5 1999 LA CROSSE 72 487 251 236 N/5 1999 LA SALLE 2 1 580 2184 1281 903 N/5 1991 MONTICELLO 484 2237 1137 1100 N/5 1991 NINE MILE POINT 1 532 1984 1277 807 1788 N/5 1991 OYSIER CREEK 1 560 1800 1375 </td <td>BROWNS FERRY 3</td> <td></td> <td></td> <td>764</td> <td></td> <td></td> <td></td> <td>347</td> <td></td> <td></td> <td></td> <td></td> <td>74</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>50</td> <td>(m</td> <td>÷</td> <td></td> <td></td> <td></td> <td>4</td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18-</td> <td>84</td> <td></td> <td></td> <td>198</td> <td>55</td> <td></td> <td></td>	BROWNS FERRY 3			764				347					74							0	50	(m	÷				4	200						18-	84			198	55		
BRUNSWICK 2 560 110 100 FWR 556 BWR 210 N/5 1986 COOPER STATION 548 2366 868 1518 N/S 1986 DRESDEN 1 464 672 221 451 N/S 1990 DRESDEN 2 724 2659(c) 2014 (c) 996(c) 6129(c) N/S 1995 DRESDEN 3 724 0 368 2050 576 1474 N/S 1995 DUANE ARNOLD 368 2050 576 1474 N/S 1995 HATCH 1 560 3021 0 3021 N/S 1999 HATCH 2 560 2750 1284 1466 N/S 1999 HUBOLDT BAY 172 487 236 N/S 1999 LA CROSSE 72 440 207 233 N/S 1991 LASALLE 2 1 580 2184 1281 903 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1991 <td>BRUNSWICK 1</td> <td></td> <td></td> <td>560</td> <td></td> <td></td> <td></td> <td>11</td> <td>1</td> <td></td> <td></td> <td></td> <td>101</td> <td></td> <td>0.44</td> <td>1.54</td> <td>and a</td> <td>D</td> <td></td> <td>21</td> <td>30</td> <td>c m</td> <td>,</td> <td></td> <td></td> <td></td> <td>- 17</td> <td>03</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NZ</td> <td>S</td> <td></td> <td></td> <td>198</td> <td>5</td> <td></td> <td></td>	BRUNSWICK 1			560				11	1				101		0.44	1.54	and a	D		21	30	c m	,				- 17	03						NZ	S			198	5		
COOPER STATION 548 2366 848 1518 N/5 1986 DRESDEN 1 464 672 221 451 N/5 1990 DRESDEN 3 724 2659(c) 2014 (c) 996(c) 6129(c) N/5 1985 DUANE ARNOLD 368 2050 576 1474 N/5 1991 DUANE ARNOLD 368 2050 576 1474 N/5 1991 HATCH 1 560 2244 816 1428 N/5 1991 HATCH 2 560 2750 1284 1466 N/5 1999 HUMBOLDT BAY 172 487 251 236 N/5 1999 LA CROSSE 72 440 207 233 N/5 1991 LASALLE 1 1137 1100 N/5 1991 145 1990 NINE MILE POINT 1 532 1984 1177 807 1788 N/5 1991 NINE MILE POINT 1	BRUNSWICK 2			560	÷ .								14	4 DU	DAT	220	DW	0		20	10													M/	5			198	56		
Construction Disc Case Participant Partit	COOPER STATTON			568				224	1				041	42.14	K+:	201	DW	ĸ		22	00													N/	5			198	16		
DRESDEN 2 724 2659(c) 2014 (c) 996(c) 6129(c) N/S 1990 DRESDEN 3 724 2659(c) 2014 (c) 996(c) 6129(c) N/S 1985 DUANE ARNOLD 368 2050 576 1474 N/S 1998 DUANE ARNOLD 368 2050 576 1474 N/S 1998 HATCH 560 2244 816 1428 N/S 1991 HATCH 1 560 3021 0 3021 N/S 1999 HATCH 2 560 2750 1284 1466 N/S 1999 HUMBOLDT BAY 172 487 251 236 N/S 1999 LA CROSSE 72 440 207 233 N/S 1991 LASALLE 1 Its S80 2184 1281 903 N/S 1991 LASALLE 2 Its S80 2184 1281 903 N/S 1991 NILLSIONE 1 580 2184 1281 903 N/S 1991 NISSIONE 1 580 2184 1277 807 1788 N/S 1991 NISSIONE 1 560 1800 1375 425 <td>DRESDEN 1</td> <td></td> <td></td> <td>460</td> <td></td> <td></td> <td></td> <td>630</td> <td>2</td> <td></td> <td></td> <td></td> <td>22</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>15</td> <td>18</td> <td></td> <td>N/</td> <td>S</td> <td></td> <td></td> <td>199</td> <td>16</td> <td></td> <td></td>	DRESDEN 1			460				630	2				22	0						15	18													N/	S			199	16		
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DUANE ARNOLD 368 2050 576 1474 N/S FITZPATRICK 560 2244 816 1428 N/S 1991 HATCH 1 560 3021 0 3021 N/S 1999 HATCH 2 560 2750 1284 1466 N/S 1999 HATCH 2 560 2750 1284 1466 N/S 1999 LA CROSSE 72 440 207 233 N/S 1990 LASALLE 1 N/S 1991 LASALLE 2 N/S 1991 MILLSTONE 1 580 2184 1281 903 N/S 1991 MILLSTONE 1 580 2184 1177 807 1788 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	DRESDEN 3			720				203	1311	C)		2	0.14	* *	CI					9	40	(C	,				6	129	(c)					H/	S			198	15		
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HATCH 1 560 2244 616 1428 N/5 1991 HATCH 1 560 2750 1284 3021 N/5 1999 HATCH 2 560 2750 1284 1466 N/5 1999 HUMBOLDT BAY 172 487 251 236 N/5 1999 LA CROSSE 72 440 207 233 N/5 1990 LASALLE 1 LASALLE 2	FITZPATRICK			540				203	2				2/1	2						19	24													N/	5			199	8		
HATCH 2 560 2750 1284 1466 N/S 1999 HUMBOLDT BAY 172 487 251 236 N/S 1999 LA CROSSE 72 487 251 236 N/S 1999 LASALLE 1 1 207 233 N/S 1991 LASALLE 2 1 903 N/S 1991 MILLSTONE 1 580 2184 1281 903 N/S 1991 IASALLE 2 1 100 N/S 1991 MONTICELLO 484 2237 1137 1100 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1990 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	HATCH 1			540				264	- C				0 11	0						14	28													N/S	5			199	1		
HUMBOLDT BAY 172 487 251 236 N/S 1999 LA CROSSE 72 440 207 233 N/S 1990 LASALLE 1 1 100 N/S 1991 LASALLE 2 1 580 2184 1281 903 N/S 1991 MILLSTONE 1 580 2184 1281 903 N/S 1991 MONTICELLO 484 2237 1137 1100 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	HATCH 2			560				302					20							30	21													N/1	S			199	9		
Indibit 172 487 251 236 N/S LA CROSSE 72 440 207 233 N/S 1990 LASALLE 1 1 1 580 2184 1281 903 N/S 1991 LASALLE 2 MILLSTONE 1 580 2184 1281 903 N/S 1991 MONTICELLO 484 2237 1137 1100 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	HIMBOLDT BAY			173				617	2				20							14	00													N/	S			199	19		
LASALLE 1 12 440 207 233 N/S 1990 LASALLE 1 LASALLE 2 MILLSTONE 1 580 2184 1281 903 N/S 1991 MONTICELLO 484 2237 1137 1100 N/S 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	IA CONCEE			7.0	1.1			40	-			1	20							2	30													N/S	S						
LASALLE 2 MILLSTONE 1 580 2184 1281 903 N/5 1991 MONTICELLO 484 2237 1137 1100 N/5 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/5 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/5 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/5 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/5 1991	LASALLE 1			10				44	0			13	20,							2	33													N/1	5			199	U		
MILLSTONE 1 580 2184 1281 903 N/5 1991 MONTICELLO 484 2237 1137 1100 N/5 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/5 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/5 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/5 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/5 1991	LASALLE 2			100																																					
MONTICELLO 484 2237 1137 1100 N/5 1991 NINE MILE POINT 1 532 1984 1177 807 1788 N/5 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/5 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/5 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/5 1991	MILLSTONE 1			580				218	4			1	28	1						.9	03													N/1	5			199	1		
NINE MILE POINT 1 532 1984 1177 807 1788 N/S 1990 OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	MONTICELLO			484	£			223	7			1	137	7						11	00													N/S	5			199	1		
OYSTER CREEK 1 560 1800 1375 425 1225 N/S 1987 PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	NINE MILE POIN	T 1		532				198	4			1	177	7						8	07						17	88						N/S	ŝ			199	0		
PEACH BOTTOM 2 764 2816 1361 1455 N/S 1990 PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	OYSTER CREEK 1			560	1 2			180	0			1	375	5						4	25						12	25						NZ	5			109	7		
PEACH BOTTOM 3 764 2816 1212 1604 N/S 1991	PEACH BOTTOM 2			764	6			281	6			1.	361	1						14	55													NI	ŝ			100	0		
	PEACH BOTTOM 3			764	6			281	6			1;	212	2						16	04													N/S	5			199	1		

预测计算规则并按照规则																																		
* BOILING *	5	T	A 1	r u	5 0	F	SP	E	NT	F	U	EL		5 T	0 1	A S	G	E	0	; A	P	A	B	II	LI	ΙΤ	Y							
* WATER *																																		
* REACTORS *	£	(a))															REM	1AIN	IN	GC	AP	AC	IT	Y									
**********	COR	E :	OF	E	PRESEN	POOL	CAP		NO	. OF MBLIE	S R	EMAI	INING	s c/	APAC	CIT	Y	IF	PEN	IDI	NG Rav	RE	QU)	ESI	T a	EX	TR	EFU	JEL	WILL	FILL	PRI	ESEN	T
FACILITY	ASSE	MBI	LIES	5)	(FUEL AS	SEME	LIES	3	STI	ORED	CN	0.0	F AS	SSEM	1BL	IES) (NO.	OF	F A	SSE	MB	LI	ES) 5	SCH	ED.	DA	TE	AUT	H. C	APA	CITY	
*******	****	**	***	•	******	***	****		****	****	* *	****	***	***	***	***		HHH	***	ежн	***	**	**	××	. *	***	***	***	**	*****	****	***	****	×
PILGRIM 1			580	3	2	320			170	8					52(1	n)											N/	S			1990			
QUAD CITIES 1			724	5	3	657			173	0				192	27												N/	S			2003	5		
QUAD CITIES 2			72	4		897			41	2				348	85												N/	S			2003	. · · · ·		
SUSQUEHANNA 1			76	4	2	840			111	0				284	+0												NI	S			1997			
VERMONT YAPKER	1		361	8		2000			108	2				9	18												06-	84			1992			

INDEPENDENT SPENT FUEL STO	DRAGE INSTALLATIONS(h))			
MORRIS OPERATIONS	750 MTU(j) 250 MTU	315 170 MTU	385 MTU(j) 80 MTU	1490 MTU(j)	
 (a) At each refueling out; (b) Some of these dates h; (c) This is the total for (d) Plant not in commercial (e) Some spent fuel stored (f) Authorized a total 27 (g) Robinson 2 assemblies (h) Capacity is in metric (i) No longer accepting spectrum (i) Racked for 700 MTU. (k) Reserved. (l) This is the station the station the station of the sta	age approximately 1/3 ave been adjusted by s both units. al operation. d at Brunswick. 72 BWR and 1232 PWRass being shipped to Brun tons of uranium; 1 M pent fuel. otal. less than that autho to accept Oconee fuel	of a PWR core an staff assumption: semblies for both nswick for stora TU = 2 PWR assemb rized. assemblies.	nd 1/4 of a BWR core , pools. , , , , , , , , , , , , , , , , , , ,	is off-loaded.	N/S = Not Scheduled

(INCLUDES BOTH LICENSED AND NON-LICENSED UNITS) REACTOR YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT		YEARS	1ST ELEC GENERATE	UNIT	
* LICENSED * * OPERATING * * ELECTRICAL * * PRODUCING * * UNITS * ****************	9.75 21.463 9.331 6.67 9.9251 10.034 13.6865 10.3551 10.3551 10.3551 10.3551 10.3551 10.887 10.887 10.887 10.887 10.887 10.887	08/01/74 12/08/62 09/12/76 01/03/75 03/22/78 08/28/77 05/19/74 02/01/75 12/02/69 09/22/78 04/08/74 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 04/20/84 03/05/71 08/25/83 05/07/76 07/04/72 06/21/73 06/28/73	ARKANSAS 1 BIG ROCK POINT 1 BROWNS FERRY 3 CALVERT CLIFFS 1 COOK 2 DAVIS-BESSE 1 DUANE ARNOLD FITZPATRICK GINNA HATCH 2 KEWAUNEE LASALLE 2 MCGUIRE 2 MONTICELLO NORTH ANNA 2 OCONEE 3 PEACH BOTTOM 2 POINT BEACH 1 PRAIRIE ISLAND 2 RANCHO SECC 1 SALEM 2 SAN ONOFRE 3 ST LUCIE 1 SURRY 1 THREE MILE ISLAND 1 TURKEY POINT 4 ZION 1	5.354 7.41 7.40 9.98 14.05 6.70 10.68 16.73 10.85 16.01 11.48 13.42 14.48 13.42 14.48 13.42 14.48 10.99 14.60 9.66 11.75 13.60 16.79 3.78 11.44 8.36 11.61 10.35	12/26/78 10/15/73 12/04/76 12/07/76 05/10/74 04/13/70 08/25/73 08/25/73 08/25/73 08/26/73 04/26/68 11/08/72 11/29/70 11/09/69 05/06/73 09/23/60 09/01/74 08/02/72 04/12/72 09/26/70 07/16/67 07/22/80 06/13/83 03/10/73 12/23/75 09/20/72 12/26/73	ARKANSAS 2 BROWNS FERRY BRUNSWICK 1 CALVERT CLIFFS COOPER STATION DRESDEN 2 FARLEY 1 FORT CALHOUN 1 HADDAM NECK INDIAN POINT 2 LA CROSSE MAINE YANKEE MILLSTONE 1 NINE MILE POIN OCONEE 1 DYSTER CREEK 1 PEACH BOITOM 3 POINT BEACH 2 QUAD CITIES 1 ROBINSON 2 SAN ONOFRE 1 SEQUOYAH 1 ST LUCIE 2 SURRY 2 TROJAN VERMONT YANKEE ZION 2	1	7.88 9.01 9.22 7.25 12.78 7.39 9.47 1.2.78 7.39 9.47 1.64 8.04 11.78 10.40 11.78 10.41 11.94 7.65 1.46 11.46 9.2 3.47	06/14/76 08/28/74 04/29/75 02/10/75 02/10/75 07/22/71 05/25/81 12/11/76 11/11/74 04/27/76 09/04/82 06/30/81 11/09/75 04/17/78 12/05/73 12/31/71 07/19/72 12/25/76 09/20/82 12/23/81 11/16/82 11/16/82 11/10/60	BEAVER VALLEY BROWNS FERRY 2 BRUNSWICK 2 COOK 1 CRYSTAL RIVER DRESDEN 3 FARLEY 2 FORT ST VRAIN HATCH 1 INDIAN POINT 3 LASALLE 1 M.LLSTONE 2 NORTH ANNA 1 OCONEE 2 PALISADES PILGRIM 1 PRAIRIE ISLAND QUAD CITIES 2 SALEM 1 SAN ONOFRE 2 SEQUOYAH 2 SUMMER 1 SUSQUEHANNA 1 TURKEY POINT 3 YANKEE-ROWE 1	1

	YEARS	1ST ELEC GENERATE	DATE UNIT			YEARS GENERATE	SHUTDOWN	UNIT	r		
* PERMANENTLY *	3.80	08/14/64	06/01/68 BONUS			3.04 12/18/63	01/01/62	CVTR			
* OR * * INDEFINITELY*	18.54	04/15/60 08/05/66	10/31/78 DRESDEN 1 11/29/72 FERMI 1			4.44 08/24/63	02/01/68	ELK	RIVER		
* SHUTDOWN *	13.21	04/18/63	07/02/76 HUMBOLDT BAT	ŕ .		12.12 09/16/62	10/31/74	INDI	AN POINT	1	
TOTAL 74.77 YRS	2.16	11/04/63	01/01/66 PIQUA			.93 04/21/78	03/28/79	THRE	E MILE IS	LAND 2	

The total reactor years of experience is as the sum of all calendar days for each unit, from the date that electricity was first generated until a final shutdown date or the status date, whichever comes first, divided by 365.25 days/year. If a date is unknown, the first day of the first month of operation is substituted. Units which have not yet generated electricity but which are licensed are listed but not included in the computation.

Report Period APR 1984

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*********** * RESEARCH * * REACTORS *

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY CANOGA PARK HAWTHORNE IRVINE LOS ANGELES SAN DIEGO SAN DIEGO SAN JOSE SAN LUIS OBISPO SAN RAMON SANTA BARBARA	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE ROCKWELL INTERNATIONAL CORP. NORTHROP CORP. LABORATORIES UNIVERSITY OF CALIFORNIA, IRVINE UNIVERSITY OF CALIFORNIA, L.A. GENERAL ATOMIC COMPANY GENERAL ATOMIC COMPANY GENERAL ALCETRIC COMPANY CALIFORNIA STATE POLYTECHNIC COLLEGE AEROTEST OPERATIONS, INC. UNIVERSITY OF CALIFORNIA, SANTA BARBARA	TRIGA MK. III L-85 TRIGA MARK F TRIGA MARK I ARGONAUT TRIGA MARK F TRIGA MARK I NTR AGN-201 \$100 TRIGA (INDUS) L-77	50-224 50-375 50-187 50-326 50-142 50-163 50-089 57-073 50-394 50-228 50-433	R-101 R-188 R-90 R-116 R-71 R-67 R-38 R-33 R-121 R-98 R-124	$\begin{array}{c} 08 - 10 - 66\\ 01 - 05 - 72\\ 03 - 04 - 63\\ 11 - 24 - 69\\ 10 - 03 - 60\\ 07 - 01 - 60\\ 05 - 03 - 58\\ 10 - 31 - 57\\ 05 - 16 - 73\\ 07 - 02 - 65\\ 12 - 03 - 74 \end{array}$	1000.0 0.003 1000.0 250.0 100.0 1500.0 250.0 100.0 0.0001 250.0 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 CULUMBIA	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 ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 \$104 HEAVY WATER	50-276 50-160	R-111 R-97	04-19-68 12-29-64	0.0001
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 \$103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA URBANA ZION	UNIVERSITY OF ILLINOIS UNIVERSITY OF ILLINOIS WESTINGHOUSE ELECTRIC CORP.	LOPRA TRIGA NTR	50-356 50-151 50-087	R-117 R-115 R-119	12-27-71 07-22-69 01-28-72	10.0 1500.0 10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE MANHATTAN	UNIVERSITY OF KANSAS KANSAS STATE UNIVERSITY	LOCKHEED TRIGA	50-148 50-188	R-78 R-88	06-23-61 10-16-62	250.0 250.0
MARYLAND	BETHESDA COLLEGE PARK	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE UNIVERSITY OF MARYLAND	TRIGA TRIGA	50-170	R-84 R-70	06-26-62	1000.0

********** * RESEARCH * * REACTORS *

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NON-POWER REACTORS IN THE U.S.

BRIGHAM YOUNG UNIVERSITY

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	POWER LEVEL (KW)
ASSACHUSETTS	CAMBRIDGE LOWELL WORCESTER	MASSACHUSETTS INSTITUTE OF TECHNOLOGY UNIVERSITY OF LOWELL WORCESTER POLYTECHNIC INSTITUTE	HWR REFLECTED GE GE	50-020 50-223 50-134	R-37 R-125 R-61	06-09-58 12-24-74 12-16-59	5000.0 1000.0 10.0
ICHIGAN	ANN ARBOR EAST LANSING MIDLAND	UNIVERSITY OF MICHIGAN MICHIGAN STATE UNIVERSITY DOW CHEMICAL COMPANY	POOL TRIGA MARK I TRIGA	50-002 50-294 50-264	R-28 R-114 R-108	09-13-57 03-21-69 07-03-67	2000.0 250.0 100.0
ISSOURI	COLUMBIA ROLLA	UNIVERSITY OF MISSOURI, COLUMBIA UNIVERSITY OF MISSOURI	TANK	50-186 50-123	R-103 R-79	10-11-66	10000.0
EBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
EW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M \$112	50-252	R-102	09-17-66	0.005
EW YORX	BRONX BUFFALO ITHACA ITHACA NEW YORK TUXEDO	MANHATTAN COLLEGE - PYHSICS DEPT. STATE UNIVERSITY OF NEW YORK CORNELL UNIVERSITY CORNELL UNIVERSITY COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK UNION CARBIDE CORP	TANK PULSTAR TRIGA MARK II ZPR TRIGA MARK II POOL	50-199 50-057 50-157 50-097 50-208 50-054	R-94 R-77 R-80 R-89 R-128 R-81	03-24-64 03-24-61 01-11-62 12-11-62 04-14-77 09-07-61	0.0001 2000.0 500.0 0.1 250.0 5000.0
ORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
HIO	COLUMBUS	CHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
KLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 \$102	50-112	R-53	12-29-58	0.100
REGON	CORVALLIS PORTLAND	OREGON STATE UNIVERSITY REED COLLEGE	TRIGA MARK II TRIGA MARK I	50-243 50-288	R-106 R-112	03-07-67	1000.0
ENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
HODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
ENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 \$108	50-538	R-127	12-10-76	0.0001
EXAS	AUSTIN COLLEGE STATION COLLEGE STATION	UNIVERSITY OF TEXAS TEXAS A&M UNIVERSITY TEXAS A&M UNIVERSITY	TRIGA MARK I AGN-201M \$106 TRIGA	50-192 50-059 50-128	R-92 R-23 R-83	08-02-63 08-26-57 12-07-61	250.0 0.005 1000,0

L-77 50-262 x-109 09-07-67 0.01

AUTHORIZED

* RESEARCH * * REACTORS * NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	POWER LEVEL (KW)
UTAH	SALT LAKE CITY SALT LAKE CITY	THE UNIVERSITY OF UTAH UNIVERSITY OF UTAH	TRIGA MARK I AGN-201M #107	50-407 50-072	R-126 R-25	09-30-75 09-12-57	100.0
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE UNIVERSITY OF VIRGINIA UNIVERSITY OF VIRGINIA BABCOCK & WILCOX COMPANY	UTR-10 CAVALIER POOL LPR	50-124 50-396 50-062 50-099	R-62 R-123 R-66 R-47	12-18-59 09-24-74 06-27-60 09-05-58	100.0 0.1 2000.0 1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY UNIVERSITY OF WASHINGTON	TRIGA ARGONAUT	50-027 50-139	R-76 R-73	03-06-61 03-31-61	1000.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
**************************************	NERREN REACTORS *						
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
**************************************	MENT FACILITIES *						
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOM COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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