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Vol. 6, No. 5
May 1982

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 4-30-82

UNITED STATES NUCLEAR REGULATORY COMMISSION



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STATUS SUMMARY REPORT

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Manuscript completed: May 1982
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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 Management and Program Analysis publishes this monthly 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 Management and Program Analysis, from the Headquarters Staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. Since all of the data concerning operation of the units is provided by the utility operators less than two weeks after the end of the month, necessary corrections to published information are shown on the ERRATA page.

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

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

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

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

GLOSSARY	PAGE
INDEX TO LICENSED UNITS	ii vii

SECTION 1 - CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS	1-2
Licensed Power Reactors	1-2
Power Generation	1-2
Actual vs. Potential Energy Production	1-2
Outage Data	1-2
Reasons for Shutdown	1-3
Derated Units	1-3
Shutdowns Greater Than 72 Hours Each	1-3
UNIT AVAILABILITY, CAPACITY, AND FORCED OUTAGE RATE PLOT	1-4
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAL OPERATING UNITS	1-5
AVERAGE CAPACITY FACTORS BY VENDOR	
Vendor Plot	1-6
Statistics	1-7
MEMORANDA - SPECIAL INFORMATION	1-8
ERRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9

SECTION 2 - OPERATING POWER REACTORS

ARKANSAS 1 THROUGH ZION 2	2-002 through 2-342
For each reactor:	
Operating Status	
Average Daily Power Level (MWe) Plot	
Unit Shutdowns/Reductions Summary	
Facility Data	
Inspection Status	
Licensee Reports	

SECTION 3 - APPENDIX

STATUS OF SPENT FUEL STORAGE CAPABILITY	3-2
REACTOR-YEARS OF OPERATION	3-4
NON-POWER REACTORS IN THE U.S.	3-5

G L O S S A R Y

AVERAGE DAILY POWER LEVEL (MWe)	The net electrical energy generated during the day (measured from 0001 to 2400 hours inclusive) in megawatts hours, divided by 24 hours.
LICENSED THERMAL POWER (MWe)	The maximum thermal power of the reactor authorized by the NRC, expressed in megawatts.
DATE OF COMMERCIAL OPERATION	Date unit was declared by utility owner to be available for the regular production of electricity; usually related to satisfactory completion of qualification tests as specified in the purchase contract and to accounting policies and practices of utility.
DESIGN ELECTRICAL RATING (DER) (NET MWe)	The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.
FORCED OUTAGE	An outage required to be initiated no later than the weekend following discovery of an offnormal condition.
FORCED OUTAGE HOURS	The clock hours during the report period that a unit is unavailable due to forced outages.
GROSS ELECTRICAL ENERGY GENERATED (MWH)	Electrical output of the unit during the report period as measured at the output terminals of the turbine generator, in megawatts hours.
GROSS HOURS	The clock hours from the beginning of a specified situation until its end. For outage durations, the clock hours during which the unit is not in power production.
GROSS THERMAL ENERGY GENERATED (MWH)	The thermal energy produced by the unit during the report period as measured or computed by the licensee in megawatt hours.
HOURS GENERATOR ON-LINE	Also, "Unit Service Hours." The total clock hours in the report period during which the unit operated with breakers closed to the station bus. These hours added to the total outage hours experienced by the unit during the report period, shall equal the hours in the report period.
HOURS IN REPORTING PERIOD	<p>For units in power ascension at the end of the period, the gross hours from the beginning of the period or the first electrical production, whichever comes last, to the end of the period.</p> <p>For units in commercial operation at the end of the period, the gross hours from the beginning of the period or of commercial operation, whichever comes last, to the end of the period or decommissioning, whichever comes first.</p>

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

UNIT AVAILABILITY FACTOR $\frac{\text{Unit Available Hours} \times 100}{\text{Period Hours}}$

UNIT CAPACITY FACTORS

- Using Licensed Thermal Power $\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$
- Using Nameplate Rating $\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$
- Using DER $\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$
- Using MDC Gross $\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$
- Using MDC Net $\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$

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

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

UNIT RESERVE SHUTDOWN The removal of the unit from on-line operation for economic or other similar reasons when operation could have been continued.

UNIT RESERVE SHUTDOWN HOURS The total clock hours in the report period during which the unit was in reserve shutdown mode.

UNIT SERVICE FACTOR $\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$

UNIT SERVICE HOURS See "Hours Generator On-Line."

NOTE:

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

INDEX TO OPERATING POWER REACTORS

	PAGE		PAGE
ARKANSAS 1	2-002	MONTICELLO	2-172
ARKANSAS 2	2-006	NINE MILE POINT 1	2-176
BEAVER VALLEY 1	2-010	NORTH ANNA 1	2-180
BIG ROCK POINT 1	2-016	NORTH ANNA 2	2-186
BROWNS FERRY 1	2-020	OCONEE 1	2-192
BROWNS FERRY 2	2-024	OCONEE 2	2-196
BROWNS FERRY 3	2-028	OCONEE 3	2-200
BRUNSWICK 1	2-032	OYSTER CREEK 1	2-204
BRUNSWICK 2	2-038	PALISADES	2-208
CALVERT CLIFFS 1	2-044	PEACH BOTTOM 2	2-212
CALVERT CLIFFS 2	2-050	PEACH BOTTOM 3	2-218
COOK 1	2-054	PILGRIM 1	2-222
COOK 2	2-060	POINT BEACH 1	2-228
COOPER STATION	2-066	POINT BEACH 2	2-232
CRYSTAL RIVER 3	2-070	PRAIRIE ISLAND 1	2-236
DAVIS-BESSE 1	2-076	PRAIRIE ISLAND 2	2-240
DRESDEN 2	2-082	QUAD CITIES 1	2-244
DRESDEN 3	2-086	QUAD CITIES 2	2-248
DUANE ARNOLD	2-090	RANCHO SECO 1	2-252
FARLEY 1	2-094	ROBINSON 2	2-258
FARLEY 2	2-100	SALEM 1	2-262
FITZPATRICK	2-104	SALEM 2	2-268
FORT CALHOUN 1	2-110	SAN ONOFRE 1	2-274
FORT ST VRAIN	2-114	SEQUOYAH 1	2-280
GINNA	2-118	SEQUOYAH 2	2-286
HADDAM NECK	2-122	ST LUCIE 1	2-292
HATCH 1	2-126	SURRY 1	2-296
HATCH 2	2-132	SURRY 2	2-302
INDIAN POINT 2	2-138	THREE MILE ISLAND 1	2-306
INDIAN POINT 3	2-142	TROJAN	2-310
KEWAUNEE	2-148	TURKEY POINT 3	2-316
LA CROSSE	2-152	TURKEY POINT 4	2-322
MAINE YANKEE	2-156	VERMONT YANKEE 1	2-328
MCGUIRE 1	2-160	YANKEE-ROWE 1	2-332
MILLSTONE 1	2-164	ZION 1	2-336
MILLSTONE 2	2-168	ZION 2	2-342

SECTION 1

**CURRENT
DATA
SUMMARIES**

 MONTHLY HIGHLIGHTS

***** 71 IN COMMERCIAL OPERATION 53,771 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 1 IN POWER ASCENSION. 1,148 capacity; design elec. rating
 * POWER * --- used if MDC not determined
 * REACTORS * (b) 72 LICENSED TO OPERATE 54,919 TOTAL
 ***** (c) 2 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

MDC NET		DER	DATE	DER
(a) SEQUOIAH 2....1148	(b) Excludes these plants licensed for operation which are shut down indefinitely	1. DRESDEN 1.....200 2. HUMBOLDT BAY....65 3. TMI 2.....906	(c) SAN ONOFRE 2....02/16/82.....1087 LASALLE 1.....04/17/82.....1078	

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	21,869,316	22,918,320	92,139,818
* POWER * 2. NET ELECTRICAL (MWHE)	20,817,024	21,797,869	87,653,253
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	59.2	62.1	63.4
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	60.0	62.4	63.7
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	52.9	55.6	57.0
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	51.7	54.0	55.4
7. FORCED OUTAGE RATE (%)	14.0	12.8	15.6

		% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	20,817,024 NET	53.8
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	11,190,143 MWHe	28.9
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	4,221,542 MWHe	10.9
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,432,640 MWHe	6.3
* PRODUCTION * *****		-----
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	38,661,349 MWHe	100.0% TOTAL
(Using Maximum Dependable Capacity Net)		

5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES 557,944 MWHe
 6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. 8,197 MWHe
 1 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	72	5,554.5	10.9	4,221,542
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	34	15,292.3	30.0	11,190,143
* DATA * *****				-----
TOTAL	106	20,846.8	40.8	15,411,685

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

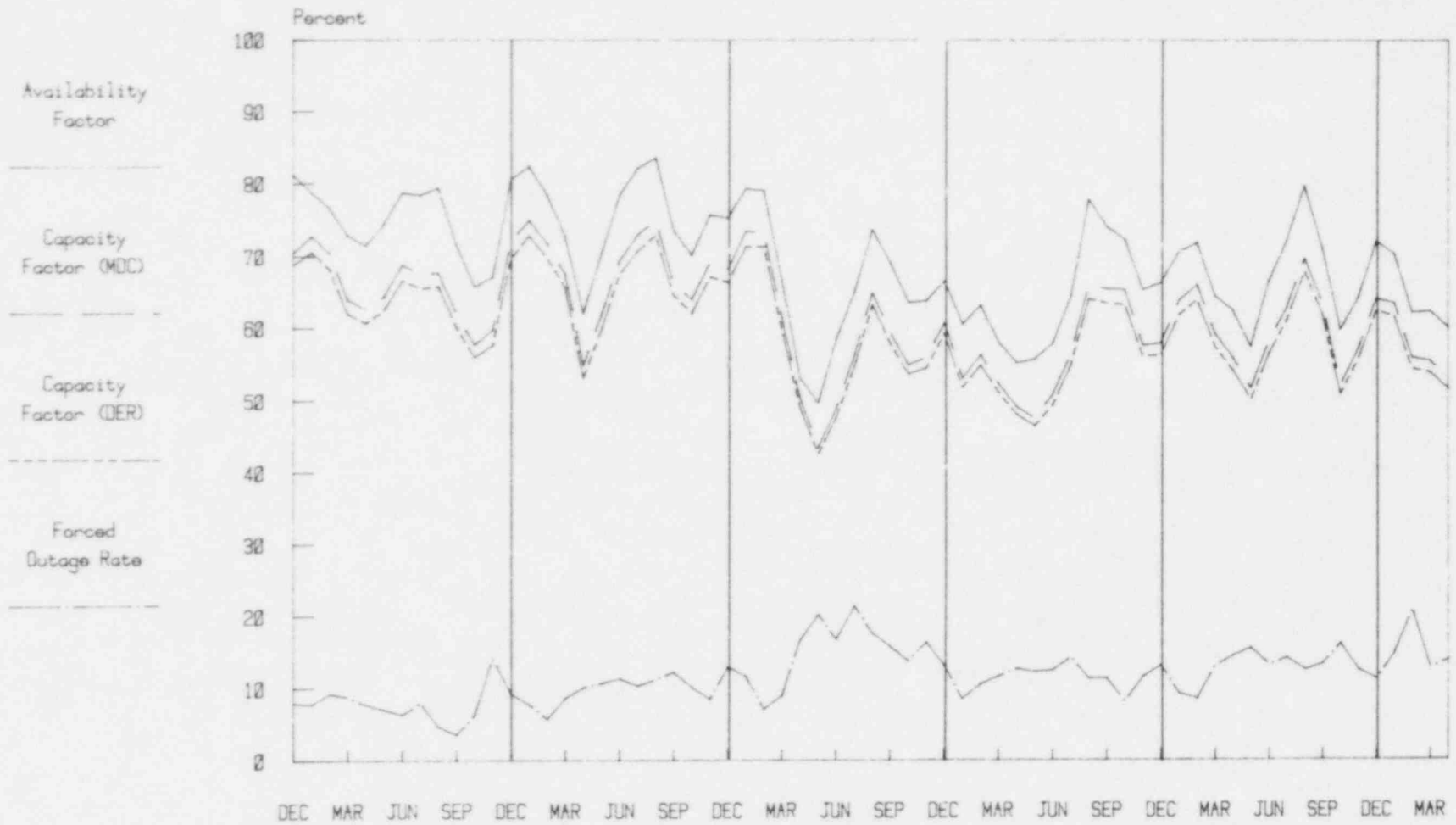
		NUMBER	HOURS LOST
*****	A - Equipment Failure	48	3,959.4
* REASONS *	B - Maintenance or Test	15	4,425.1
* FOR *	C - Refueling	21	10,976.3
* SHUTDOWNS *	D - Regulatory Restriction.	1	719.0
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative.	2	467.3
	G - Operational Error	12	230.8
	H - Other	7	68.9
	TOTAL	106	20,846.8

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE	
* DERATED *	CRYSTAL RIVER 3	806	780	Self-imposed
* UNITS *	FORT ST VRAIN	330	231	NRC Restriction
*****	MILLSTONE 1	654	595	Self-imposed
	OYSTER CREEK 1	620	400	Self-imposed
	POINT BEACH 1	495	445	Self-imposed
	ROBINSON 2	665	535	Self-imposed
	YANKEE-ROWE 1	175	150	Self-imposed

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	B	ARKANSAS 2	A	BEAVER VALLEY 1	C	BIG ROCK POINT 1	A,C
* GREATER *	A,C	BRUNSWICK 2	C	CALVERT CLIFFS 1	C	DAVIS-BESSE 1	C
* THAN 72 HRS *	C	DUANE ARNOLD	B	FARLEY 1	G	FORT ST VRAIN	B,B
* EACH *	C	HATCH 1	A	HATCH 2	C	INDIAN POINT 2	A
*****	C	KEWAUNEE	C	LA CROSSE	C	MONTICELLO	A
	A	NORTH ANNA 2	C	OCONEE 2	C	OCONEE 3	C
	B	PALISADES	A	PEACH BOTTOM 2	C	PEACH BOTTOM 3	A
	C	POINT BEACH 1	B	POINT BEACH 2	C	RANCHO SECO 1	B
	C	SALEM 1	B,B	SAN ONOFRE 1	B	SEQUOYAH 1	A
	A	THREE MILE ISLAND 1	D	TROJAN	C,F	TURKEY POINT 3	B
	C	ZION 2	A				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 04-30-82



Dec 1976-Apr 1982

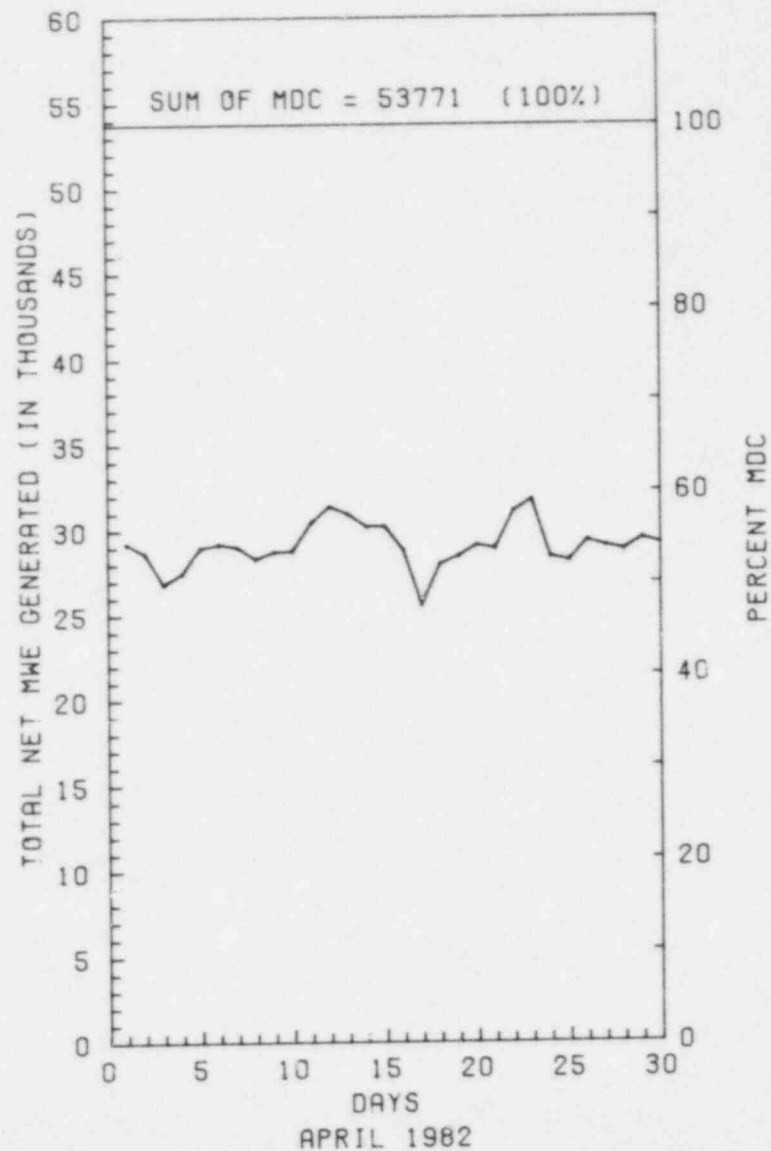
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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

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

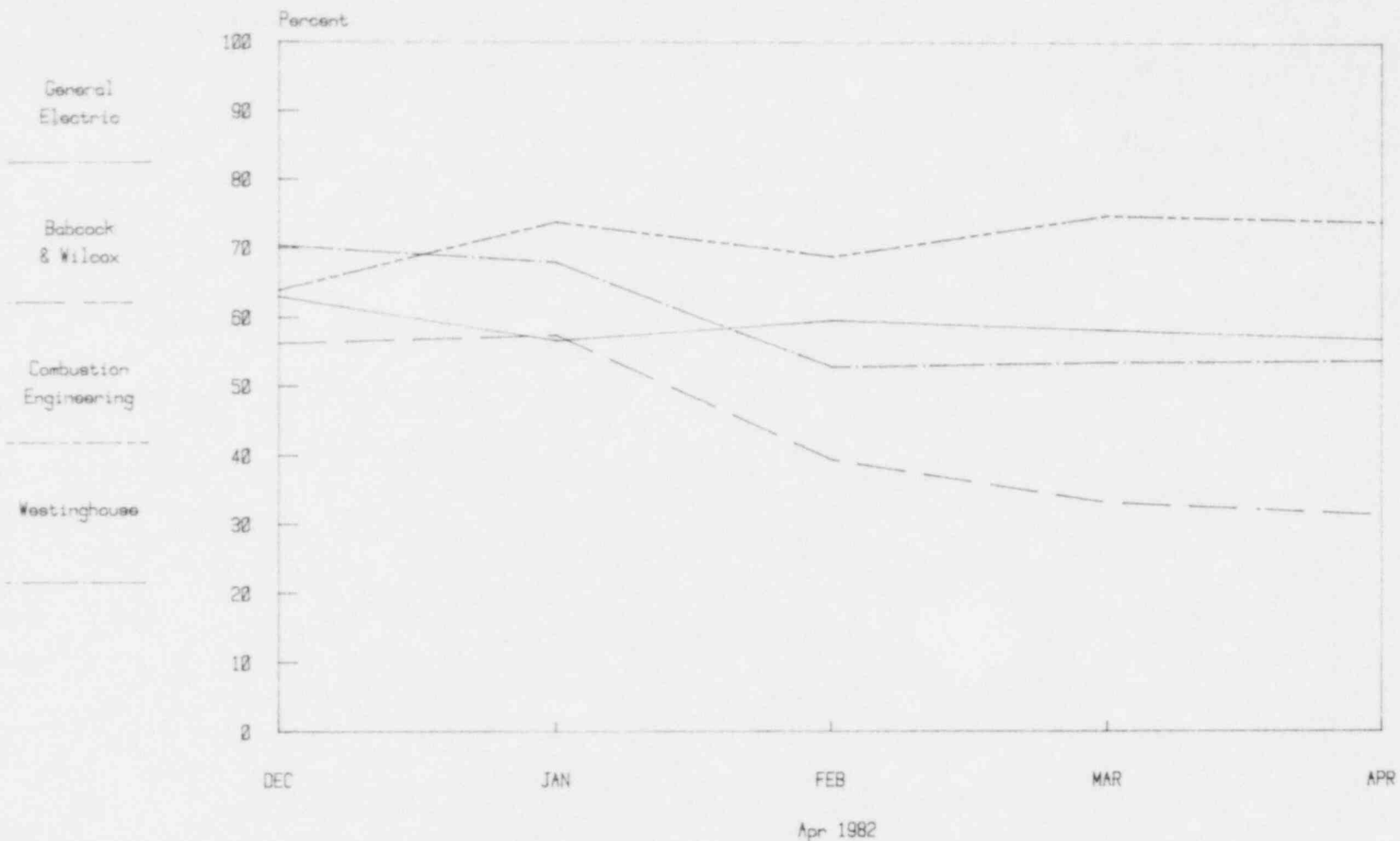
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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



Vendor Average Capacity Factors

As of 04-30-82



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

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 82.0 BROWNS FERRY 1	94.4 BROWNS FERRY 2	0.0 BROWNS FERRY 3	60.0 BRUNSWICK 1
* ELECTRIC * 57.2 BRUNSWICK 2	92.6 COOPER STATION	97.1 DRESDEN 2	0.0 DRESDEN 3
***** 28.9 DUANE ARNOLD	98.3 FITZPATRICK	76.9 HATCH 1	0.0 HATCH 2
81.0 MILLSTONE 1	78.6 MONTICELLO	0.0 NINE MILE POINT 1	27.9 OYSTER CREEK 1
0.0 PEACH BOTTOM 2	70.0 PEACH BOTTOM 3	44.1 PILGRIM 1	76.9 QUAD CITIES 1
99.2 QUAD CITIES 2	96.2 VERMONT YANKEE 1		
***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 0.0 ARKANSAS 1	83.8 CRYSTAL RIVER 3	0.0 DAVIS-BESSE 1	39.5 OCONEE 1
* WILCOX * 0.0 OCONEE 2	75.7 OCONEE 3	3.4 RANCHO SECO 1	0.0 THREE MILE ISLAND 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 50.7 ARKANSAS 2	55.2 CALVERT CLIFFS 1	101.4 CALVERT CLIFFS 2	98.2 FORT CALHOUN 1
* ENGINEERING * 95.2 MAINE YANKEE	79.5 MILLSTONE 2	0.0 PALISADES	107.4 ST LUCIE 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE * 0.0 BEAVER VALLEY 1	94.8 COOK 1	98.3 COOK 2	77.8 FARLEY 1
***** 97.6 FARLEY 2	0.0 GINNA	100.8 HADDAM NECK	82.1 INDIAN POINT 2
0.0 INDIAN POINT 3	27.4 KEWAUNEE	45.1 MCGUIRE 1	82.8 NORTH ANNA 1
0.0 NORTH ANNA 2	44.9 POINT BEACH 1	44.8 POINT BEACH 2	97.9 PRAIRIE ISLAND 1
99.9 PRAIRIE ISLAND 2	0.0 ROBINSON 2	16.1 SALEM 1	85.6 SALEM 2
0.0 SAN ONOFRE 1	80.4 SEQUOYAH 1	79.2 SURRY 1	75.8 SURRY 2
0.0 TROJAN	58.5 TURKEY POINT 3	96.6 TURKEY POINT 4	82.0 YANKEE-ROWE 1
0.0 ZION 1	63.1 ZION 2		

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

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

Net Electrical Energy Produced by Vendor x 100%

 Potential Electrical Production by Vendor in this Month

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	7,008,817	9,045,206	3,227,624	1,522,989	13,795,819
MDC NET.....	17,144	23,368	6,072	6,745	36,185
CFMDC.....	56.9	53.8	73.9	31.4	53.0

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

CORRECTIONS TO NUREG-0020 VOL. 6, NO. 4 MARCH 1982

<u>Page</u>	<u>Unit Name</u>	<u>Item</u>	<u>Correction</u>
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NONE

PRIOR ISSUE CORRECTIONS

<u>Unit Name</u>	<u>Item</u>	<u>Correction</u>
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NONE

SECTION 2

**OPERATING
POWER
REACTORS**

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: LINDY BRAMLETT (501) 964-3100

4. Licensed Thermal Power (MWt): 2568

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

6. Design Electrical Rating (Net MWe): 850

7. Maximum Dependable Capacity (Gross MWe): 883

8. Maximum Dependable Capacity (Net MWe): 836

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>64,554.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,046.9</u>	<u>44,294.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,039.3</u>	<u>43,423.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,330,053</u>	<u>103,860,259</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,459,576</u>	<u>34,296,332</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,385,330</u>	<u>32,701,730</u>
20. Unit Service Factor	<u>.0</u>	<u>70.8</u>	<u>67.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>70.8</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>57.6</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>56.6</u>	<u>59.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>7,954.5</u>

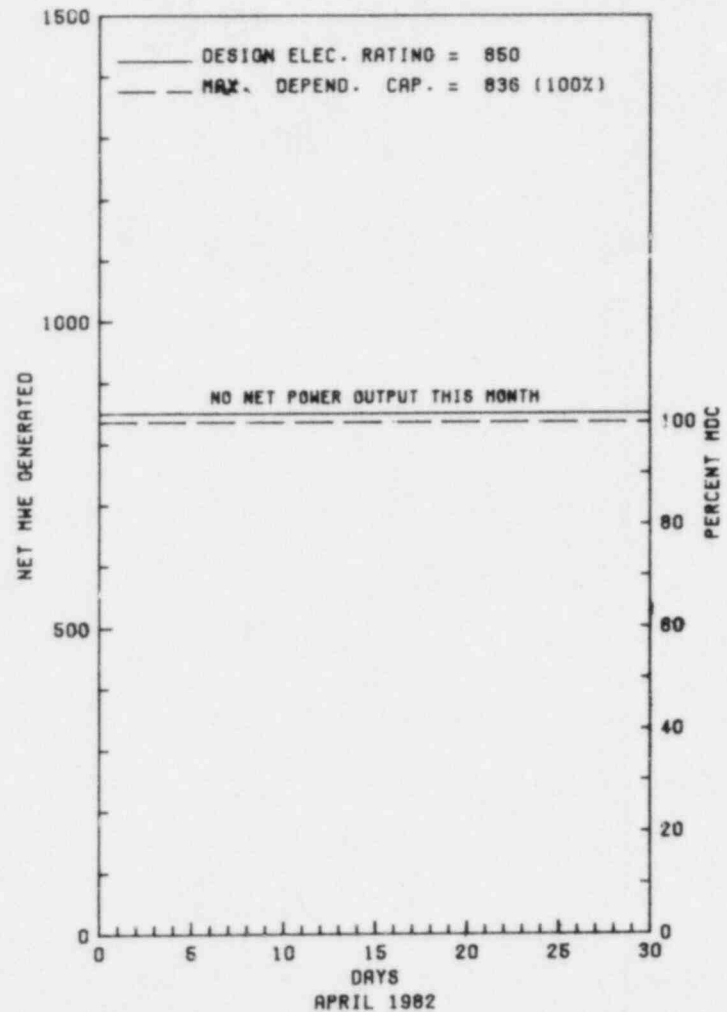
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/15/82

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-02	03/26/82	S	719.0	B	4		CC	HTEXCH	UNIT WAS BROUGHT TO COLD SHUTDOWN TO REPLACE THE FEEDWATER NOZZLES IN THE "A" DTSG.

***** ARKANSAS 1 REMAINED SHUTDOWN IN A CONTINUING MAINTENANCE OUTAGE.
* SUMMARY *

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

* ARKANSAS 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....PUPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1974
DATE ELEC ENER 1ST GENER...AUGUST 17, 1974
DATE COMMERCIAL OPERATE...DECEMBER 19, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

PUBLIC DOCUMENT ROOM.....ARKANSAS POLYTECHNIC COLLEGE
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING PERIOD OF MARCH 1-31, 1982 (82-05): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, FOLLOW UP ON IE BULLETIN 80-06, AND REVIEW OF LICENSEE EVENT REPORTS. WITHIN THE FIVE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA (TWO OF THREE HIGH PRESSURE INJECTION PUMPS INOPERABLE AS REPORTED IN LICENSEE EVENT REPORT 313/82-003/03L-0).

ENFORCEMENT SUMMARY

CONTRARY TO CRITERION V TO APP B OF 10 CFR PART 50, ON FEB 8, 1982, A REQUIRED PIPE STRAP WAS MISSING FROM A SEISMIC SUPPORT ON STARTING AIR SYSTEM FOR THE UNIT 1, NUMBER 2 EMERGENCY DIESEL GENERATOR. THIS SEISMIC SUPPORT IS REQUIRED BY PLANT DRAWING M-1021 AND D0-208-H.
(8204 4)

CONTRARY TO UNIT 1 TECH SPEC 6.8.1, OPERATING PROCEDURE 1104.02 ATTACHMENT A WAS NOT PROPERLY IMPLEMENTED ON FEB 4, 1982, IN THAT TWO LOCKED MANUAL VALVES IN THE DISCHARGE CROSSCONNECT LINE BETWEEN THE "B" AND "C" MAKEUP PUMPS WERE MISALIGNED.
(8204 5)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

"A" OTSG LEVEL HIGH DUE TO FOULING

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

MAINTENANCE OUTAGE

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982

INSPECTION REPORT NO: 50-313/82-05

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

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NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT        REPORT
-----
82-06      03/16/82    04/01/82    LOW FLOW IN CONTROL ROOM EMERGENCY VENT. SYS.
03L-0
82-07      04/02/82    04/20/82    ANTICIPATORY REACTOR BYPASS RESET ERROR
03L-0
82-09      04/02/82    04/13/82    HIGH PRESSURE INJECTION NOZZLE DEGRADATION
01T-0
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1. Docket: 50-368 O P E R A T I N G S T A T U S

 * ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: LINDY BRAMLETT (501) 964-3100

4. Licensed Thermal Power (MWt): 2815

5. Nameplate Rating (Gross MWe): 959

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

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

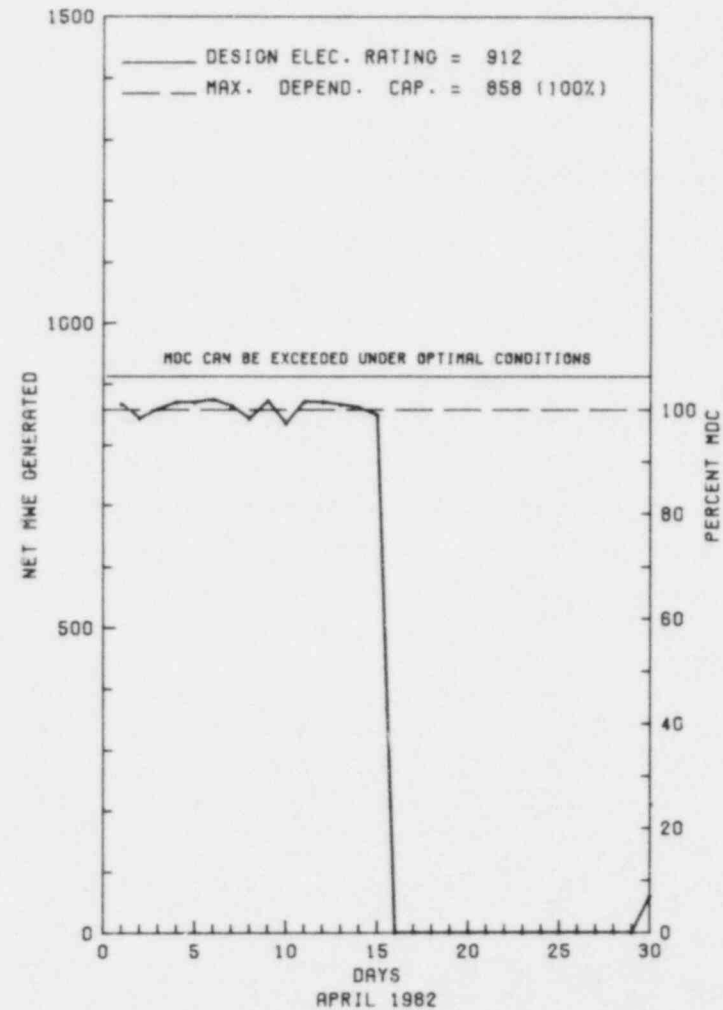
10. Power Level To Which Restricted, If Any (Net MWe): NONE

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>18,383.0</u>
13. Hours Reactor Critical	<u>389.4</u>	<u>2,142.9</u>	<u>13,037.5</u>
14. Rx Reserve Shtdwn Hrs	<u>324.8</u>	<u>324.8</u>	<u>1,338.5</u>
15. Hrs Generator On-Line	<u>377.0</u>	<u>2,114.2</u>	<u>12,656.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,015,270</u>	<u>5,624,144</u>	<u>31,410,013</u>
18. Gross Elec Ener (MWH)	<u>328,264</u>	<u>1,818,160</u>	<u>10,190,078</u>
19. Net Elec Ener (MWH)	<u>312,978</u>	<u>1,733,223</u>	<u>9,704,221</u>
20. Unit Service Factor	<u>52.4</u>	<u>73.4</u>	<u>68.8</u>
21. Unit Avail Factor	<u>52.4</u>	<u>73.4</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>50.7</u>	<u>70.2</u>	<u>61.5</u>
23. Unit Cap Factor (DER Net)	<u>47.7</u>	<u>66.0</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>47.6</u>	<u>26.6</u>	<u>20.9</u>
25. Forced Outage Hours	<u>342.0</u>	<u>764.8</u>	<u>3,334.4</u>

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

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



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-05	04/16/82	F	342.0	A	1	82-011	CC	PIPEXX	STEAM GENERATOR BLOWDOWN PIPING LEAK. A DESIGN CHANGE AND PIPING REPLACEMENT WERE MADE.

* SUMMARY *

ARKANSAS 2 OPERATED WITH 1 OUTAGE DURING APRIL DUE TO EQUIPMENT FAILURE.

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

* ARKANSAS 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING PERIOD OF MARCH 1-31, 1982 (82-05): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, FOLLOW UP ON IE BULLETIN 80-06, AND FOLLOW UP ON PLANT TRIP. WITHIN THE FIVE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (REACTOR PROTECTION CHANNEL NOT TRIPPED WHEN REQUIRED), AND ONE APPARENT DEVIATION WAS IDENTIFIED (TESTING PER IE BULLETIN 80-06 NOT PERFORMED AS COMMITTED).

ENFORCEMENT SUMMARY

CONTRARY TO PARA 3 OF APP A TO 10CFR55, ON SHIFT OF UNIT 2 LICENSED OPERATORS HAD NOT RECEIVED THE REQUIRED TRAINING ON THE PROCEDURE AND EQUIPMENT MODIFICATIONS ASSOCIATED WITH THE FACILITY DESIGN CHANGE ON THE FIRE DETECTION INSTRUMENTATION SYSTEM. (8204 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT STARTED UP 4/29/82 FOLLOWING A TWO WEEK MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982

INSPECTION REPORT NO: 50-368/82-05

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVID R. TIMKO (412) 643-5308

4. Licensed Thermal Power (MWt): 2660

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

6. Design Electrical Rating (Net MWe): 852

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>52,583.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>21,063.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>20,154.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>43,628,937</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>13,650,440</u>
19. Net Elec Ener (MWH)	<u>-2,505</u>	<u>-14,169</u>	<u>12,509,695</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>39.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>39.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>32.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>30.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>100.0</u>	<u>40.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>2,160.0</u>	<u>17,225.5</u>

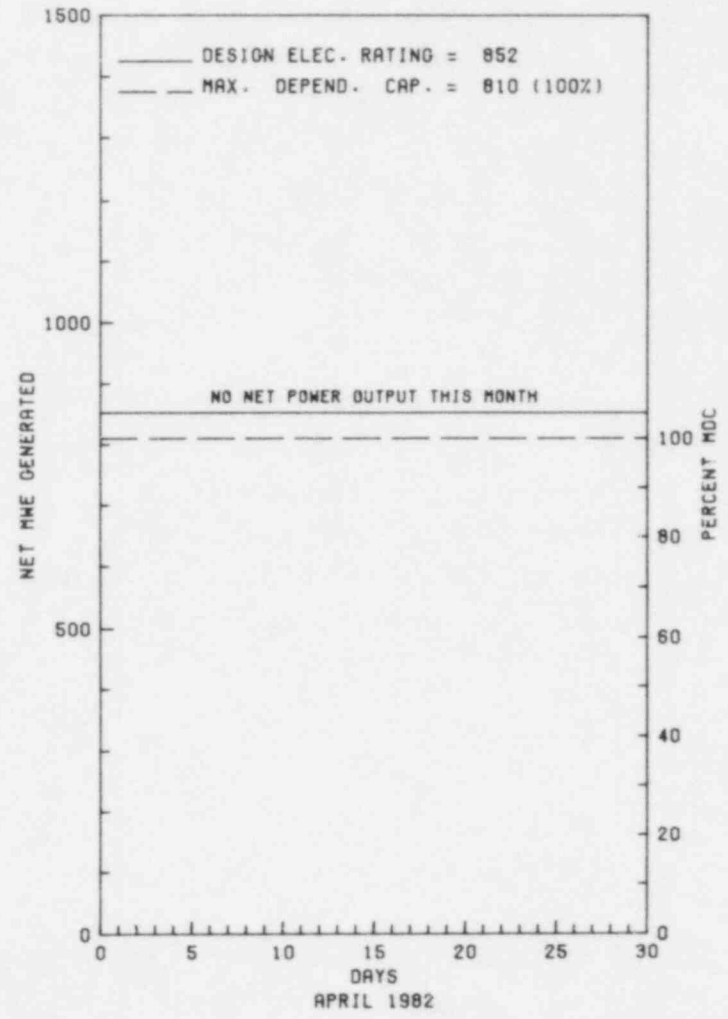
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/21/82

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	12/28/81	S	719.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

BEAVER VALLEY REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI E OF
 E. LIVERPOOL, OH

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976

DATE ELEC ENER 1ST GENER...JUNE 14, 1976

DATE COMMERCIAL OPERATE...OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....435 SIXTH AVENUE
 PITTSBURGH, PENNSYLVANIA 15219

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. TROSKOSKI

LICENSING PROJ MANAGER....P. TAM
DOCKET NUMBER.....50-334

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

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

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

INSPECTION SUMMARY

- + 50-334/81-27 - OCT 4-16: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL OF ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM DEVELOPMENT, EMERGENCY ORGANIZATION, EMERGENCY TRAINING, EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES, COORDINATION WITH OFFSITE AGENCIES, AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM FROM REGION I, NRC HEADQUARTERS AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.

- + 50-334/81-32 - DEC 14-18: ROUTINE UNANNOUNCED INSPECTION BY TWO REGION-BASED INSPECTORS (60 HRS) OF RADIOLOGICAL CONTROLS FOR THE OUTAGE, INCLUDING TRAINING, PLANNING AND PREPARATION, SELECTION AND QUALIFICATION OF PERSONNEL, RADIATION AND HIGH RADIATION AREA POSTING AND CONTROL, RADIOACTIVE AND CONTAMINATED MATERIAL CONTROL, RESPIRATORY PROTECTION, AND ALAR. ON DECEMBER 14, 1981, AT 7 P.M., AREAS WHERE WORK WAS BEING CONDUCTED WERE EXAMINED TO REVIEW ADHERENCE TO RADIATION SAFETY PROCEDURES AND PRACTICES. NO VIOLATIONS WERE IDENTIFIED.

- + 50-334/82-01 - JAN 4 - FEB 16: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTORS (191 HRS) AND TWO REGION-BASED INSPECTORS (26 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, FOLLOWUP ON NRC PERFORMANCE APPRAISAL SECTION FINDINGS, PLANT OPERATIONS, HOUSEKEEPING, FIRE PROTECTION, RADIOLOGICAL CONTROLS, SURVEILLANCE TESTING, MAINTENANCE, PHYSICAL SECURITY, RADWASTE SYSTEM OPERATION, IN-OFFICE REVIEW OF LICENSEE EVENT REPORTS, ONSITE EVENT FOLLOWUP, REFUELING PREPARATIONS, IE BULLETIN FOLLOWUP, TMI LESSONS LEARNED FOLLOWUP, EPP DRILL OBSERVATIONS, POTENTIAL DESIGN DEFICIENCY REVIEW, PIPING NDE REVIEW, AND AREA DEVITALIZATION. SEVEN VIOLATIONS WERE IDENTIFIED: FAILURE TO POST FIRE WATCHES FOR NONFUNCTIONAL PENETRATION; FAILURE TO ADMINISTER/DOCUMENT MAINTENANCE TRAINING; ORC FAILED TO REVIEW VIOLATIONS REQUIRED BY TS; FAILURE TO ESTABLISH AND EXECUTE INSPECTION PROGRAM FOR OPERATING ACTIVITIES; FAILURE TO DOCUMENT BASES FOR 10 CFR 50.59(B) SAFETY EVALUATIONS; QA AUDIT DEFICIENCIES; INADEQUATE

INSPECTION SUMMARY

ORC/MANAGEMENT AUDIT AND ORC TRAINING AUDIT.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.7.15, FIRE BARRIER ELECTRICAL PENETRATIONS WERE FOUND NON-FUNCTIONAL (NO PACKING MATERIAL) W/O CONTINUOUS FIRE WATCHES POSTED: 1) AE-DF BUS ROOMS ON 1/28/82; 2) WEST CABLE VAULT TO AFW PUMP ROOM ON 2/5/82.
(8201 3)

CONTRARY TO 10 CFR 50.59(B) & BVPS ADMIN PROCEDURES, SEC 10.C, THE OSC FAILED TO DOCUMENT THE BASES FOR 10 CFR 50.59 DETERMINATIONS FOR TOP 80-27 (FILLING RWST FROM BRIS) & TOP 81-31 (RW SYSTEM OPERATION DURING DREDGING).
(8201 4)

CONTRARY TO 10 CFR 50, APP B, CRIT II, THE BVPS FSAR, APP A.2.2.2; QA OP-14, SEC 14.1; & THE BVPS MM, CHAPTER 1, SEC A, SEC 5.B, MECHANICS, ELECTRICIANS, & METER & CONTROL REPAIRMEN (6 OF 6 INDIVIDUALS SAMPLED) FAILED TO PERFORM AND/OR DOCUMENT REQUIRED READING ASSIGNMENTS (BETWEEN 1 & 7 PROCEDURES PER MAN NOT REVIEWED). CONTRARY TO TS 6.5.2.7.E, FOR THE PERIOD 6/80 THROUGH 12/81, THE ORC FAILED TO REVIEW VIOLATIONS OF STATUTES, CODES, REGULATIONS, ETC. IDENTIFIED BY OQC NONCONFORMANCE & CORRECTIVE ACTION REPORTS, 30 DAY LERS, BVPS INCIDENT REPORTS NOT ISSUED AS LERS, & QA SURVEILLANCE REPORTS. NO FORMAL METHOD OF REVIEW & REFERRAL OF SUCH DOCUMENTS FOR COMMITTEE REVIEW HAD BEEN ESTABLISHED. CONTRARY TO 10 CFR 50, APP B, CRIT X; BVPS FSAR, SEC A.2.2.10 & A.2.2.2; & THE DLC OQA MANUAL, PRESIDENT'S POLICY STATEMENT, SEC 10, NO PROGRAM FOR THE INSPECTION OF OPERATING ACTIVITIES WAS ESTABLISHED OR EXECUTED, INCLUDING INSPECTION OF ROUTINE PLANT OPERATIONS, REACTOR ENGINEERING ACTIVITIES, OPERATING SURVEILLANCE TESTING, EQUIPMENT LUBRICATION, CHEMISTRY ACTIVITIES & OTHERS. CONTRARY TO TS 6.5.2.8.D; 10 CFR 50, APP B, CRIT II; & OP-1, THE "1980 MANAGEMENT AUDIT" PERFORMED BY A CONTRACTOR UNDER THE COGNIZANCE OF THE ORC & INTENDED TO SATISFY THE REQUIREMENTS OF OP-1 DID NOT ENCOMPASS ALL ACTIVITIES REQUIRED BY THE QA PROGRAM NOR DID IT CONSTITUTE A COMPLETE REVIEW OF THE STATUS & ADEQUACY OF THE ENTIRE PROGRAM & CONTRARY TO TS 6.5.2.8.B, QA AUDIT BV-1-81-4 (TRAINING) FAILED TO COVER THE PERFORMANCE, TRAINING & QUALIFICATION OF THE ENTIRE FACILITY STAFF. THE AUDIT MAINLY ADDRESSED CDN & CONSTRUCTION CONTRACTOR TRAINING & CERTAIN SPECIAL TRAINING PROGRAMS (FIRE BRIGADE, RADTECH, LICENSED REQUALIFICATION TRAINING) BUT DID NOT ADDRESS MAJOR DEPARTMENTS/SECTIONS OF UNLICENSED PERSONNEL TRAINING. CONTRARY TO 10 CFR 50, APP B, CRIT XVIII; BVPS FSAR, APP A.2; ANSI N45.2.12-1974; & ANSI N18.7-1972: 1) QAIS 2.1.2 & 2.1.3 DO NOT PROVIDE REQUIREMENTS FOR SELECTION OF AUDITORS OR USE OF TECHNICAL SPECIALISTS COMMENSURATE WITH THE COMPLEXITY OR SPECIAL NATURE OF THE AUDITED ACTIVITIES. 2) THE AUDITORS WHO CONDUCTED QA AUDIT BV-1-81-28 OF PLANT OPERATIONS HAD NEITHER EXPERIENCE NOR SPECIALIZED TRAINING IN PLANT OPERATIONS. 3) QA OP-16 & QAI 18.1.1 DO NOT PROVIDE FOR PREPARATION OR RETENTION OF A DOCUMENTED AUDIT SYSTEM PLAN TO ASSURE COVERAGE OF THE QA PROGRAM. 4) 1980 & 1981 QA AUDITS OF MAINTENANCE & OPERATIONS DID NOT INCLUDE OBSERVATIONS OF THE PERFORMANCE OF OPERATIONS & MAINTENANCE ACTIVITIES.
(8201 5)

INADEQUATE DESIGN CONTROL PROGRAMS FOR DESIGN REQUIREMENTS, INTERFACES AND DESIGN VERIFICATION.
(8205 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ OUTAGE RESTART IS SCHEDULED FOR ABOUT 5/31/82.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT ENTERED AN EXTENDED REFUELING AND MODIFICATION OUTAGE 12/25/81. REFUELING WAS COMPLETED DURING 4/82. PLANT IS NOW IN MODE 5.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-334/82-10 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-009/ 03L	03/09/82	03/24/82	125 VDC BUS 4 BATTERY CHARGER BLOWN FUSE CAUSED LOSS OF DC INPUT TO INVERTER. FUSE REPLACED
82-010/ 01P	04/08/82	04/08/82	POTENTIAL UNREVIEWED SAFETY QUESTION - RCS WIDE RANGE PRESSURE CHANNELS
82-011/ 01P	04/16/82	04/16/82	OVERSTRESS CONDITIONS ON SAFETY INJECTION SYSTEM SUPPORT
82-012/ 01P	04/16/82	04/16/82	OVERSTRESS CONDITIONS ON MAIH STEAM SYSTEM SUPPORTS

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: SUE AMSTUTZ (616) 547-6537

4. Licensed Thermal Power (MWt): 240

5. Nameplate Rating (Gross MWe): 70.6 X 0.85 = 60

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 69

8. Maximum Dependable Capacity (Net MWe): 64

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>167,346.0</u>
13. Hours Reactor Critical	<u>213.4</u>	<u>942.9</u>	<u>116,045.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>173.4</u>	<u>889.6</u>	<u>113,761.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>22,837</u>	<u>135,661</u>	<u>21,281,564</u>
18. Gross Elec Ener (MWH)	<u>7,019</u>	<u>41,974</u>	<u>6,705,285</u>
19. Net Elec Ener (MWH)	<u>6,432</u>	<u>38,922</u>	<u>6,342,660</u>
20. Unit Service Factor	<u>24.1</u>	<u>30.9</u>	<u>68.0</u>
21. Unit Avail Factor	<u>24.1</u>	<u>30.9</u>	<u>68.0</u>
22. Unit Cap Factor (MDC Net)	<u>14.0</u>	<u>21.1</u>	<u>56.2*</u>
23. Unit Cap Factor (DER Net)	<u>12.4</u>	<u>18.8</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>53.9</u>	<u>28.2</u>	<u>19.5</u>
25. Forced Outage Hours	<u>202.6</u>	<u>349.8</u>	<u>9,280.5</u>

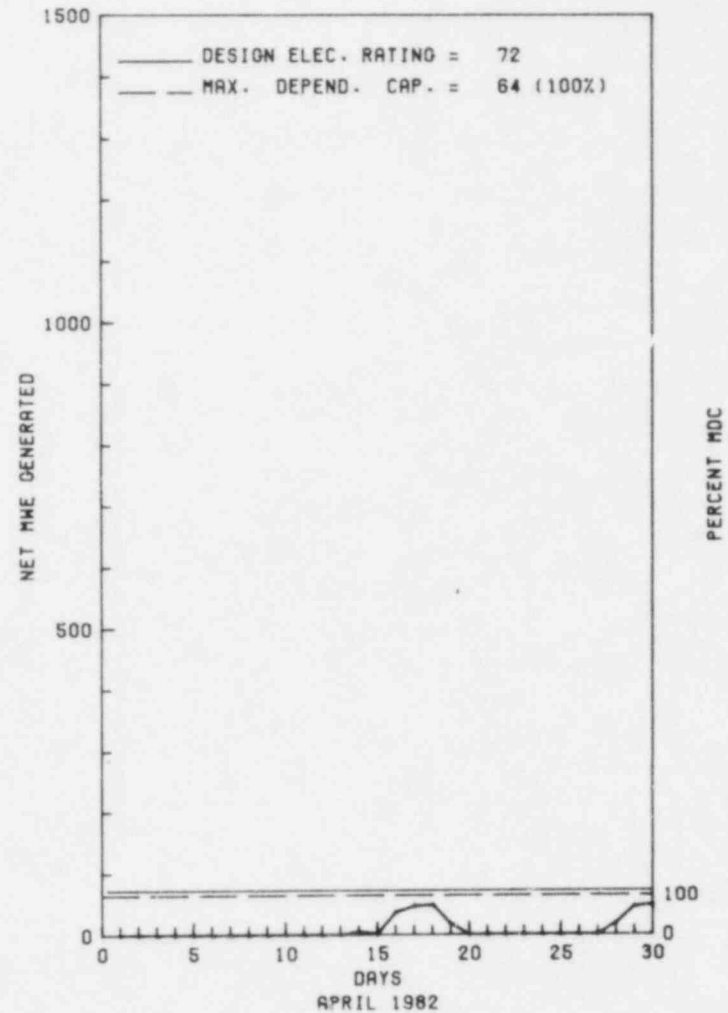
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	02/05/82	S	343.0	C	4		RC	FUELXX	REFUELING OUTAGE CONCLUDES.
82-02	04/19/82	F	202.6	A	1		RC	FUELXX	STEAM LEAK ON ISOLATION VALVE.

 * SUMMARY *

 BIG ROCK POINT CONCLUDED ITS CURRENT REFUELING OUTAGE AND OPERATED WITH 1 ADDITIONAL OUTAGE FOR EQUIPMENT FAILURE.

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER
CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....G. WRIGHT
LICENSING PROJ MANAGER.....R. EMCH
DOCKET NUMBER.....50-155
LICENSE & DATE ISSUANCE...DPR-6, AUGUST 30, 1962
PUBLIC DOCUMENT ROOM.....CHARLEVOIX PUBLIC LIBRARY
107 CLINTON STREET
CHARLEVOIX, MICHIGAN

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 31 THROUGH MARCH 6, (82-03): ROUTINE SAFETY, RESIDENT INSPECTION INVOLVING INSPECTION DURING LONG TERM SHUTDOWN, REFUELING MAINTENANCE, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, IE BULLETIN FOLLOWUP, IE CIRCULAR FOLLOWUP, REVIEW OF NUREG-0737 TASK ACTION ITEMS, FOLLOWUP ON OUTSTANDING INSPECTION ITEMS, PREPARATION FOR REFUELING, REFUELING ACTIVITIES, SURVEILLANCE REFUELING, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED A TOTAL OF 209 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 10 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON MARCH 15-18, (82-04): ROUTINE, UNANNOUNCED INSPECTION OF REFUELING RADIATION PROTECTION ACTIVITIES, INCLUDING: PROCEDURE ADHERENCE; ADVANCE PLANNING AND PREPARATION; POSTING AND CONTROL; AND SURVEYS. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE FOUR AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THREE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA (FAILURE TO POST AND CONTROL ACCESS TO A HIGH RADIATION AREA; AND FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS AT 67 PERCENT POWER. DOING FLUX MAPPING.

LAST IE SITE INSPECTION DATE: MARCH 15-18, 1982

INSPECTION REPORT NO: 82-04

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-07/ 03L-0	03/02/82	04/01/82	TEST METHOD FOR CONDUCTING COMPONENT TYPE C VALVE LEAK RATE TESTS WAS FOUND TO BE INADEQUATE.
82-08/ 03L-0	03/09/82	04/02/82	T.S. LIMITS WERE EXCEEDED BY .2 SECONDS OF ACTUATION TIME DELAYS UNITS IN REACTOR DEPRESSURIZATION SYSTEM IMPUT.
82-09/ 03L-0	03/03/82	04/01/82	SNUBBER PS-115B WAS DEEMED INOPERABLE BASED ON AN ACCELERATION TEST FAILURE.
82-10/ 01T-0	03/18/82	03/31/82	THE 10 INCH FEEDWATER CONTAINMENT CHECK VALVE VFW 304 EXHIBITED LEAKAGE IN EXCESS OF THE RATE LIMIT.
82-11/ 03L-0	03/21/82	04/19/82	THE REMOTE MANUALLY ACTUATED VALVE FAILED TO OPEN.
82-13/ 01T-0	03/28/82	04/16/82	THE STEAM DRUM LEVEL INDICATION DID NOT REGISTER THE PROPER WATER LEVEL INDICATION.

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: TED THOM (205) 729-6846

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>67,921.0</u>
13. Hours Reactor Critical	<u>680.5</u>	<u>2,610.0</u>	<u>41,924.7</u>
14. Rx Reserve Shtdwn Hrs	<u>38.5</u>	<u>220.6</u>	<u>5,435.6</u>
15. Hrs Generator On-Line	<u>673.7</u>	<u>2,572.6</u>	<u>41,002.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,967,002</u>	<u>7,945,651</u>	<u>114,820,558</u>
18. Gross Elec Ener (MWH)	<u>645,260</u>	<u>2,589,230</u>	<u>37,881,680</u>
19. Net Elec Ener (MWH)	<u>627,695</u>	<u>2,521,170</u>	<u>36,790,079</u>
20. Unit Service Factor	<u>93.7</u>	<u>89.4</u>	<u>60.4</u>
21. Unit Avail Factor	<u>93.7</u>	<u>89.4</u>	<u>60.4</u>
22. Unit Cap Factor (MDC Net)	<u>82.0</u>	<u>82.2</u>	<u>50.9</u>
23. Unit Cap Factor (DER Net)	<u>82.0</u>	<u>82.2</u>	<u>50.9</u>
24. Unit Forced Outage Rate	<u>6.3</u>	<u>10.6</u>	<u>26.2</u>
25. Forced Outage Hours	<u>45.3</u>	<u>306.4</u>	<u>14,589.6</u>

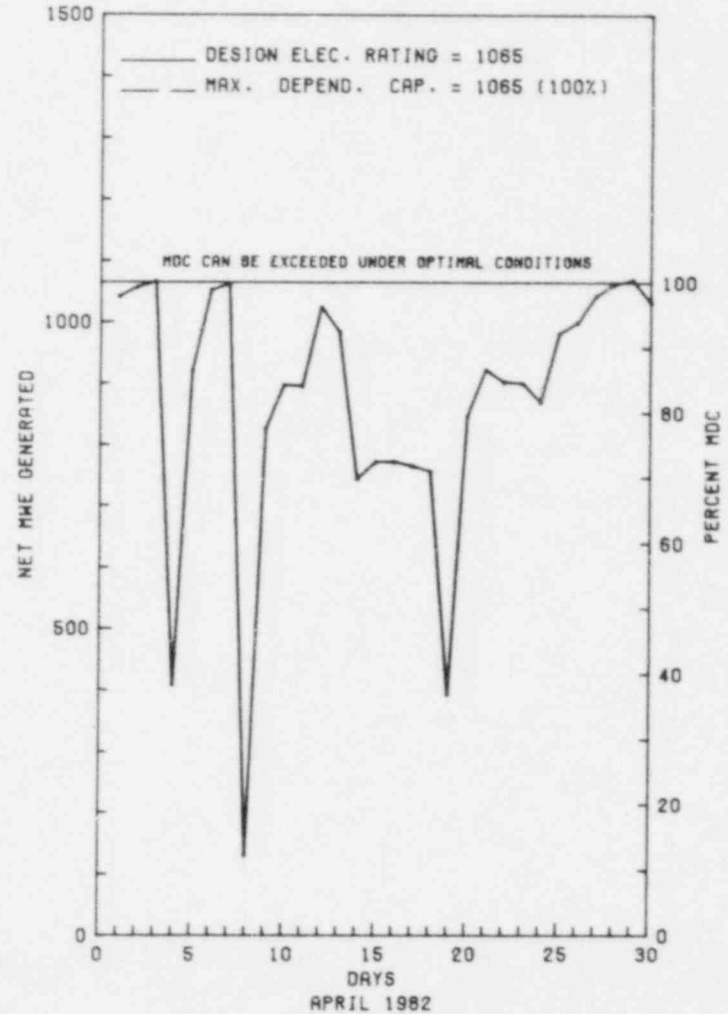
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): NONE

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
216	04/04/82	F	13.6	A	3			REACTOR SCRAM ON GENERATOR LOAD REJECT DUE TO ACTIVATION OF THE GENERATOR FIELD GROUND RELAY.
217	04/08/82	F	18.6	A	3			REACTOR SCRAM WHEN THE TURBINE TRIPPED ON GENERATOR POWER LOAD UNBALANCE.
218	04/10/82	S	0.0	H	5			DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
219	04/13/82	F	0.0	A	5			DERATED WHEN "C" CONDENSATE PUMP TRIPPED.
220	04/19/82	F	13.1	G	3			REACTOR SCRAM DUE TO OPERATOR ERROR. WHILE "C" HOTWELL PUMP WAS OFF AND TAGGED, "A" RFP WAS TRIPPED FOR MAINTENANCE. THE OPERATOR INADVERTENTLY CLOSED STEAM TO "C" RFP.
221	04/30/82	F	0.0	B	5			DERATED TO REMOVE "A" RFP FROM SERVICE FOR MAINTENANCE ON RPM GAUGE.

 * SUMMARY *

 BROWNS FERRY 1 OPERATED WITH SEVERAL OUTAGES AND REDUCTIONS CAUSED BY EQUIPMENT FAILURE, MAINTENANCE, AND OPERATOR ERROR.

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 2 INSPECTOR-HOURS ON SITE IN THE AREAS OF PIPE SUPPORT SYSTEMS AND FOLLOWUP INSPECTION ITEMS. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 22-26 AND 29-31 (82-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE AND AT TVA HEADQUARTERS IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM ANNUAL REVIEW, AUDITS, MAINTENANCE, RECORDS, PROCUREMENT, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; FOUR VIOLATIONS WERE FOUND IN FOUR AREAS (FAILURE TO ESTABLISH CORRECTIVE ACTION MEASURES; FAILURE TO FOLLOW AN AUDIT PROCEDURE; FAILURE TO IMPLEMENT THE QA PROGRAM; AND FAILURE TO FOLLOW TECHNICAL SPECIFICATIONS FOR PORC MEETING MINUTES DISTRIBUTION).

INSPECTION MARCH 23-26 (82-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETIN 79-02, PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS; IE BULLETIN 79-14, SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS; FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS; AND FOLLOWUP ON REGIONAL REQUEST. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (IMPROPER VENT LINE INSTALLATION).

INSPECTION FEBRUARY 26 - MARCH 25 (82-12): THIS ROUTINE INSPECTION INVOLVED 73 INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE OBSERVATION, LICENSEE EVENT REPORTS, REACTOR TRIPS, ONSITE REVIEW COMMITTEE, DESIGN CHANGES AND MODIFICATIONS AND REFUELING. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE

INSPECTION SUMMARY

IDENTIFIED IN SIX AREAS. THREE VIOLATIONS AND ONE DEVIATION WERE FOUND IN THREE AREAS (VIOLATION OF 10 CFR 50 APPENDIX B CRITERION V; VIOLATION OF TECHNICAL SPECIFICATION 6.3.A; VIOLATION OF TECHNICAL SPECIFICATION 4.6.H.1; DEVIATION FOR FAILURE TO MEET A COMMITMENT DATE).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

FULL POWER OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 22-31, 1982 +

INSPECTION REPORT NO: 50-259/82-10 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-016/ 03L-0	02/17/82	03/17/82	REACTOR LOW WATER LEVEL SWITCH OUT OF CALIBRATION
82-017/ 03L-0	03/08/82	04/05/82	REACTOR WATER INDICATOR L1-3-46A INOPERABLE
82-018/ 03L-0	03/17/82	04/13/82	BOLTS MISSING FROM REACTOR CORE ISOLATION COOLING TURBINE EXHAUST RUPTURE DIAPHRAGM ASSEMBLY

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1. Docket: 50-260 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: TED THOM (205) 729-6846

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: NONE

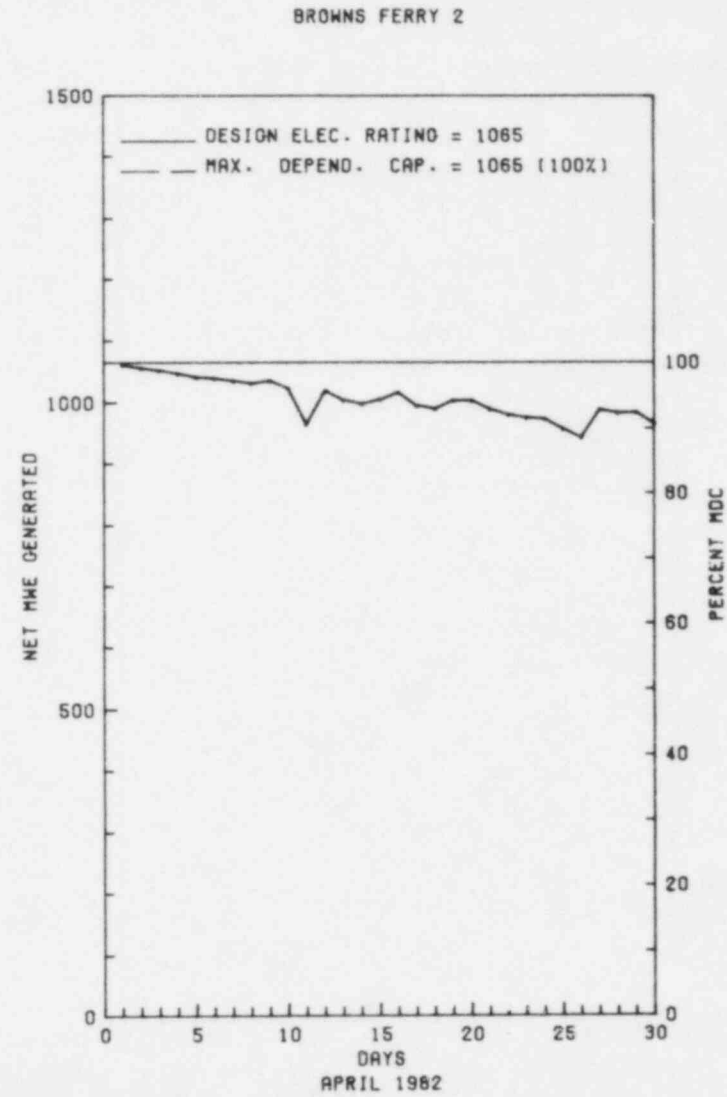
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>62,832.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,712.8</u>	<u>41,159.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>157.7</u>	<u>13,639.4</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,657.4</u>	<u>39,854.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,211,221</u>	<u>8,395,961</u>	<u>115,048,751</u>
18. Gross Elec Ener (MWH)	<u>743,040</u>	<u>2,831,750</u>	<u>38,264,398</u>
19. Net Elec Ener (MWH)	<u>722,695</u>	<u>2,761,277</u>	<u>37,183,423</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.3</u>	<u>63.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.3</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>94.4</u>	<u>90.1</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>94.4</u>	<u>90.1</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.7</u>	<u>28.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>221.6</u>	<u>15,628.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUEL & MODS - JULY 30, 82 THRU FEB 1, 83

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

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT



No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
233	04/11/82	F	0.0	D	5			DERATED DUE TO HIGH RIVER DIFFERENTIAL TEMPERATURE.
234	04/26/82	F	0.0	B	5			DERATED TO REMOVE "B" CONDENSATE PUMP FROM SERVICE FOR MAINTENANCE.

 * SUMMARY *

 BROWNS FERRY 2 OPERATED WITH 2 REDUCTIONS AND NO OUTAGES DURING APRIL.

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

* BROWNS FERRY 2 *

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

Report Period APR 1972

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

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

DATE COMMERCIAL OPERATE...MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. CHASE

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-260

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

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

* INSPECTION MARCH 19-23 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 2 INSPECTOR-HOURS ON SITE IN THE AREAS OF PIPE SUPPORT SYSTEMS AND FOLLOWUP INSPECTION ITEMS. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 22-26 AND 29-31 (82-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE AND AT TVA HEADQUARTERS IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM ANNUAL REVIEW, AUDITS, MAINTENANCE, RECORDS, PROCUREMENT, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; FOUR VIOLATIONS WERE FOUND IN FOUR AREAS (FAILURE TO ESTABLISH CORRECTIVE ACTION MEASURES; FAILURE TO FOLLOW AN AUDIT PROCEDURE; FAILURE TO IMPLEMENT THE QA PROGRAM; FAILURE TO FOLLOW TECHNICAL SPECIFICATIONS FOR PORC MEETING MINUTES DISTRIBUTION).

INSPECTION MARCH 23-26 (82-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETIN 79-02, PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS; IE BULLETIN 79-14, SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS; FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS; AND FOLLOWUP ON REGIONAL REQUEST. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (IMPROPER VENT LINE INSTALLATION).

INSPECTION FEBRUARY 26 - MARCH 25 (82-12): THIS ROUTINE INSPECTION INVOLVED 74 INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE OBSERVATION, LICENSEE EVENT REPORTS, REACTOR TRIPS, ONSITE REVIEW COMMITTEE, DESIGN CHANGES AND MODIFICATIONS AND REFUELING. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE

INSPECTION SUMMARY

IDENTIFIED IN SIX AREAS. THREE VIOLATIONS AND ONE DEVIATION WERE FOUND IN THREE AREAS (VIOLATION OF 10 CFR 50 APPENDIX B CRITERION V; VIOLATION OF TECHNICAL SPECIFICATION 6.3.A; VIOLATION OF TECHNICAL SPECIFICATION 4.6.H.1; DEVIATION FOR FAILURE TO MEET A COMMITMENT DATE).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

FULL POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: MARCH 22-31, 1982 +

INSPECTION REPORT NO: 50-260/82-10 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-052/ 03L-0	10/07/81	11/04/81	CONTAINMENT ATMOSPHERE HYDROGEN ANALYZER REMOVED FROM SERVICE
82-012/ 03L-0	03/15/82	03/30/82	HIGH PRESSURE COOLANT INJECTION STOP VALVE FCV-73-18 WOULD NOT STAY OPEN

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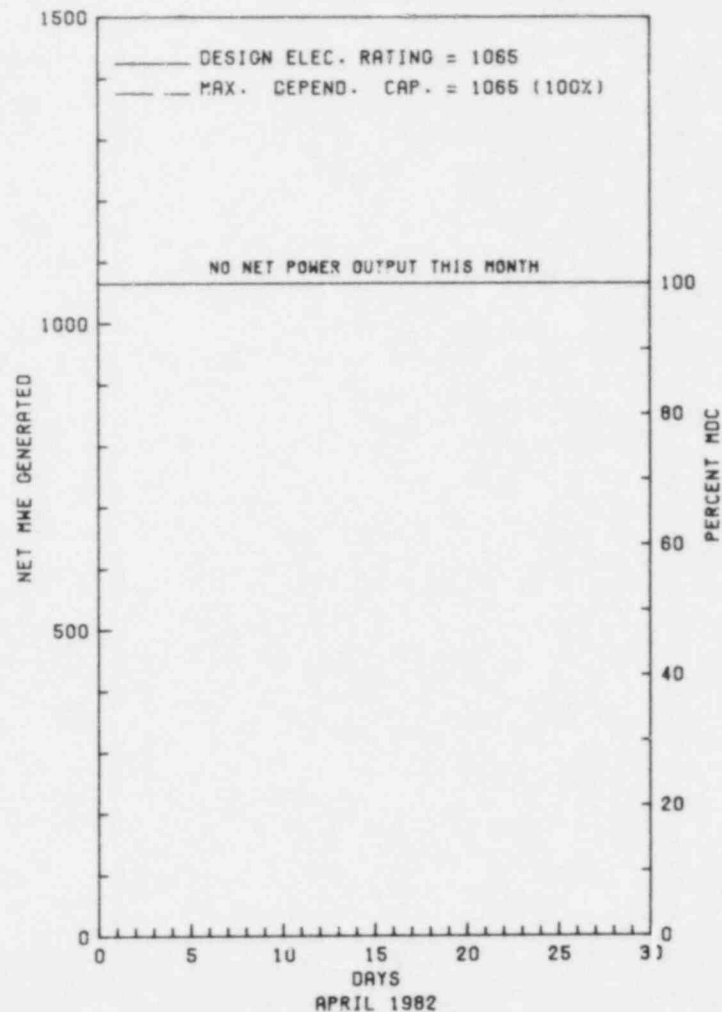
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1. Docket: 50-296 O P E R A T I N G S T A T U S
2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0
3. Utility Contact: TED THOM (205) 729-6846
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): NONE
11. Reasons for Restrictions, If Any: NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|--------------|----------------|-------------------|
| 12. Report Period Hrs | <u>719.0</u> | <u>2,879.0</u> | <u>45,287.0</u> |
| 13. Hours Reactor Critical | <u>56.1</u> | <u>56.1</u> | <u>32,524.0</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>438.8</u> | <u>438.8</u> | <u>2,580.4</u> |
| 15. Hrs Generator On-Line | <u>.0</u> | <u>.0</u> | <u>31,751.7</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>0</u> | <u>0</u> | <u>93,858,620</u> |
| 18. Gross Elec Ener (MWH) | <u>0</u> | <u>0</u> | <u>30,998,190</u> |
| 19. Net Elec Ener (MWH) | <u>0</u> | <u>0</u> | <u>30,088,946</u> |
| 20. Unit Service Factor | <u>.0</u> | <u>.0</u> | <u>70.1</u> |
| 21. Unit Avail Factor | <u>.0</u> | <u>.0</u> | <u>70.1</u> |
| 22. Unit Cap Factor (MDC Net) | <u>.0</u> | <u>.0</u> | <u>62.4</u> |
| 23. Unit Cap Factor (DER Net) | <u>.0</u> | <u>.0</u> | <u>62.4</u> |
| 24. Unit Forced Outage Rate | <u>100.0</u> | <u>100.0</u> | <u>10.4</u> |
| 25. Forced Outage Hours | <u>443.1</u> | <u>443.1</u> | <u>3,676.2</u> |
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 3 *

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
93	10/30/81	S	275.9	C	4				REACTOR SCRAM TO ACCOMMODATE EOC-4 REFUEL OUTAGE CONTINUES.
94	04/02/82	F	443.1	A	9				TRIPPED MAIN TURBINE DUE TO HIGH VIBRATION. MANUALLY SCRAMMED REACTOR DUE TO HIGH VIBRATION ON MAIN TURBINE.

 * SUMMARY *

 BROWNS FERRY 3 REMAINED SHUTDOWN DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1976

DATE COMMERCIAL OPERATE...MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

MUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. CHASE

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-296

LICENSE & DATE ISSUANCE...DPR-68, AUGUST 18, 1976

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION MARCH 19-23 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 37 INSPECTOR-HOURS ON SITE IN THE AREAS OF INTEGRATED LEAK RATE TESTING, PIPE SUPPORT SYSTEMS AND FOLLOWUP INSPECTION ITEMS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 22-26 AND 29-31 (82-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE AND AT TVA HEADQUARTERS IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM ANNUAL REVIEW, AUDITS, MAINTENANCE, RECORDS, PROCUREMENT, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; FOUR VIOLATIONS WERE FOUND IN FOUR AREAS (FAILURE TO ESTABLISH CORRECTIVE ACTION MEASURES; FAILURE TO FOLLOW AN AUDIT PROCEDURE; FAILURE TO IMPLEMENT THE QA PROGRAM; FAILURE TO FOLLOW TECHNICAL SPECIFICATIONS FOR PORC MEETING MINUTES DISTRIBUTION).

INSPECTION MARCH 23-26 (82-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETIN 79-02, PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS; IE BULLETIN 79-14, SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS; FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS; AND FOLLOWUP ON REGIONAL REQUEST. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (IMPROPER VENT LINE INSTALLATION).

INSPECTION FEBRUARY 26 - MARCH 25 (82-12): THIS ROUTINE INSPECTION INVOLVED 74 INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE OBSERVATION, LICENSEE EVENT REPORTS, REACTOR TRIPS, ONSITE

INSPECTION SUMMARY

REVIEW COMMITTEE, DESIGN CHANGES AND MODIFICATIONS AND REFUELING. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS. THREE VIOLATIONS AND ONE DEVIATION WERE FOUND IN THREE AREAS (VIOLATION OF 10 CFR 50 APPENDIX B CRITERION V; VIOLATION OF TECHNICAL SPECIFICATION 6.3.A; VIOLATION OF TECHNICAL SPECIFICATION 4.6.H.1; DEVIATION FOR FAILURE TO MEET A COMMITMENT DATE).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ LOOSE SHROUD ON "C" LOW PRESSURE TURBINE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ SHUTDOWN FOR TURBINE.

LAST IE SITE INSPECTION DATE: MARCH 22-31, 1982 +

INSPECTION REPORT NO: 50-296/82-10 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L-0	03/03/82	03/31/82	ONE AUXILIARY FEEDWATER AUTOMATIC CONTROL VALVE LEVEL CONTROLLER 2-LIC-3-173 INOPERABLE

1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>44,880.0</u>
13. Hours Reactor Critical	<u>707.3</u>	<u>2,659.6</u>	<u>30,924.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>703.0</u>	<u>2,602.7</u>	<u>29,142.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,095,485</u>	<u>4,920,287</u>	<u>59,338,088</u>
18. Gross Elec Ener (MWH)	<u>353,398</u>	<u>1,597,013</u>	<u>19,598,218</u>
19. Net Elec Ener (MWH)	<u>340,601</u>	<u>1,542,558</u>	<u>18,846,049</u>
20. Unit Service Factor	<u>97.8</u>	<u>90.4</u>	<u>64.9</u>
21. Unit Avail Factor	<u>97.8</u>	<u>90.4</u>	<u>64.9</u>
22. Unit Cap Factor (MDC Net)	<u>60.0</u>	<u>67.8</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>57.7</u>	<u>65.3</u>	<u>51.1</u>
24. Unit Forced Outage Rate	<u>2.2</u>	<u>2.8</u>	<u>17.8</u>
25. Forced Outage Hours	<u>16.0</u>	<u>74.2</u>	<u>6,229.6</u>

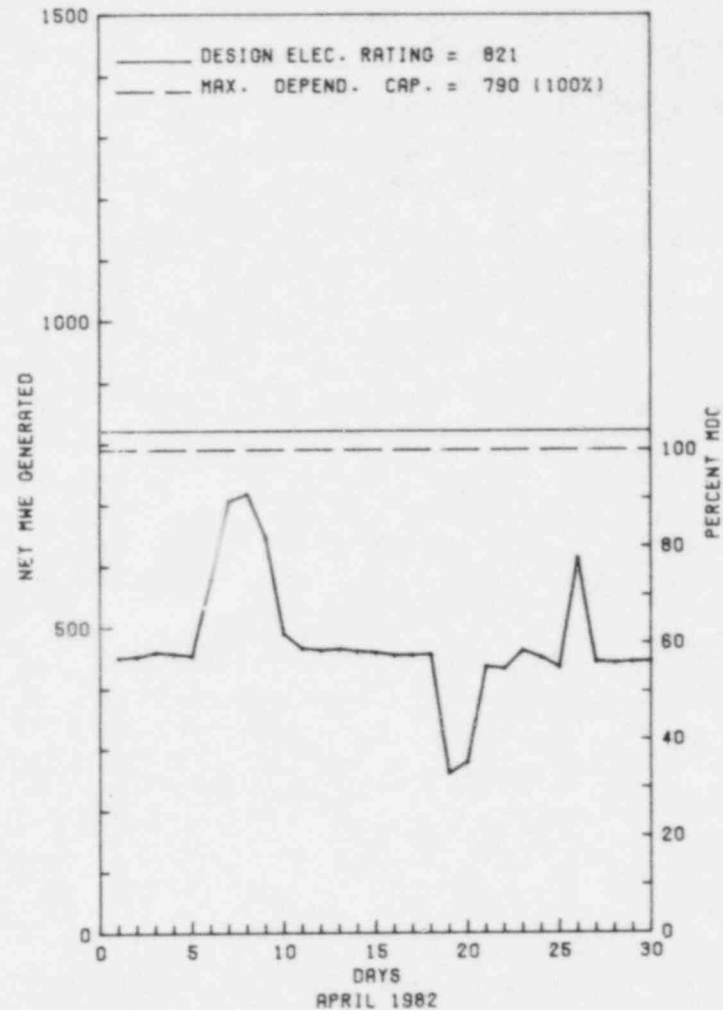
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-063	04/19/82	F	16.0	G	3		RB	CKTBRK	DC BREAKER INADVERTENTLY OPENED CAUSING LOSS OF DC AND REACTOR TRIP. SHIFT HAD A MEETING TO TRAIN ON THE CLEARANCE PROCEDURES AND DISCUSS PAST PROBLEMS.

* SUMMARY *

BRUNSWICK 1 OPERATED WITH 1 OUTAGE DURING APRIL DUE TO OPERATIONAL ERROR.

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 15 - MARCH 15 (82-08): THIS INSPECTION INVOLVED 113 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF VIOLATIONS, REVIEW OF LICENSEE EVENT REPORTS, REVIEW AND AUDIT OF ONSITE SAFETY COMMITTEE MEETINGS, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES, FOLLOWUP OF PLANT TRANSIENTS AND SAFETY SYSTEM CHALLENGES, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP ON TMI TASK ACTION PLAN ITEMS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES AND INDEPENDENT INSPECTION. OF THE 9 AREAS INSPECTED, ONE VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED (FAILURE TO TAKE PROPER CORRECTIVE ACTION) AND ONE DEVIATION WAS IDENTIFIED (FAILURE TO REVISE PROCEDURES IN ACCORDANCE WITH TMI ACTION ITEMS REQUIREMENTS).

INSPECTION MARCH 22-26 AND 30-31 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 43 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMISTRY AND RADIOCHEMISTRY PROCEDURES; AIRBORNE EFFLUENT ACCOUNTABILITY; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC RII MOBILE LABORATORY. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW APPROVED PROCEDURE FOR SAMPLING STACK GAS).

INSPECTION JANUARY 19-21 (82-10): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 5 INSPECTOR-HOURS ON SITE IN THE AREA OF REVIEW OF THE SCRAM EVENT OF JANUARY 16, 1982 IN WHICH ALL RHR SERVICE WATER PUMPS FAILED TO START. OF THE AREA INSPECTED, FOUR VIOLATIONS WERE FOUND (FAILURE TO FOLLOW PROCEDURES; FAILURE TO MEET COMMITMENTS OF TMI ACTION ITEM I.C.6 AS ORDERED BY THE NRC, FAILURE TO TAKE CORRECTIVE ACTION; AND FAILURE TO IMPLEMENT PROCEDURES).

INSPECTION MARCH 15 - APRIL 15 (82-11): THE INSPECTION INVOLVED 109 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE

INSPECTION SUMMARY

EVENT REPORTS, FOLLOWUP ON BULLETINS, FOLLOWUP ON CIRCULARS, FOLLOWUP ON SIGNIFICANT EVENTS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, OPERATIONAL SAFETY VERIFICATION, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES AND INDEPENDENT INSPECTION. OF THE 8 AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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 15 - APRIL 15, 1982 +

INSPECTION REPORT NO: 50-325/82-11 +

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NUMBER      DATE OF      DATE OF      SUBJECT
EVENT      REPORT
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82-025/    02/18/82   03/19/82   REACTOR CORE ISOLATION COOLING TURBINE AUTO STARTED ON REACTOR LOW LEVEL BUT TRIPPED
03L-0

82-026/    02/16/82   03/17/82   REACTOR CORE ISOLATION COOLING VALVE 1E51-V8 TRIPPED TURBINE INOPERABLE
03L-0

82-027/    02/18/82   03/17/82   SOURCE RANGE MONITOR B INDICATING DOWNSCALE
03L-0

82-028/    03/01/82   03/25/82   SUPPRESSON CHAMBER WATER LEVEL INDICATOR OUT-OF-CALIBRATION
03L-0

82-029/    02/25/82   03/24/82   PRIMARY CONTAINMENT ATMOSPHERIC OXYGEN ANALYZER 1-CAC-AT-1263-2 OUT-OF-CALIBRATION
03L-0

82-031/    03/01/82   03/25/82   SUPPRESSION CHAMBER WATER LEVEL INDICATOR OUT-OF-CALIBRATION
03L-0

82-033/    02/22/82   03/23/82   1B REACTOR RECIRCULATION PUMP TRIPPED INADVERTENTLY DURING TESTING
03L-0

82-034/    03/04/82   03/30/82   REACTOR PRESSURE INDICATOR 1-C32-P1-3332 INOPERABLE
03L-0

82-035/    03/04/82   03/29/82   RESIDUAL HEAT REMOVAL SERVICE WATER DIFFERENTIAL PRESSURE TRANSMITTER INOPERABLE
03L-0

82-036/    03/08/82   03/18/82   MOTOR OPERATOR REMOVED FROM VALVE 1-E11-F002A WITHOUT APPROVED PLANT PROCEDURES
01T-0

82-040/    03/19/82   04/14/82   PRIMARY CONTAINMENT MULTIPOINT TEMPERATURE RECORDER 1-CAC-TR-1258 PRINTING ERRATICALLY
03L-0

82-041/    03/25/82   03/26/82   ISOLATION VALVE TO 1B AND 1D RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS OPEN PUMPS NOT RUNNING
03L-0
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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 2935

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 796

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,877.0</u>	<u>56,904.0</u>
13. Hours Reactor Critical	<u>572.3</u>	<u>2,465.2</u>	<u>37,631.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>552.8</u>	<u>2,384.6</u>	<u>35,154.3</u>
16. Unit Reserve Shtdwn hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,067,640</u>	<u>4,467,966</u>	<u>64,465,502</u>
18. Gross Elec Ener (MWH)	<u>338,815</u>	<u>1,415,289</u>	<u>21,409,226</u>
19. Net Elec Ener (MWH)	<u>325,115</u>	<u>1,361,971</u>	<u>20,551,384</u>
20. Unit Service Factor	<u>76.9</u>	<u>82.8</u>	<u>61.8</u>
21. Unit Avail Factor	<u>76.9</u>	<u>82.8</u>	<u>61.8</u>
22. Unit Cap Factor (MDC Net)	<u>57.2</u>	<u>59.9</u>	<u>45.7</u>
23. Unit Cap Factor (DER Net)	<u>55.1</u>	<u>57.6</u>	<u>44.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.1</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>328.2</u>	<u>7,506.8</u>

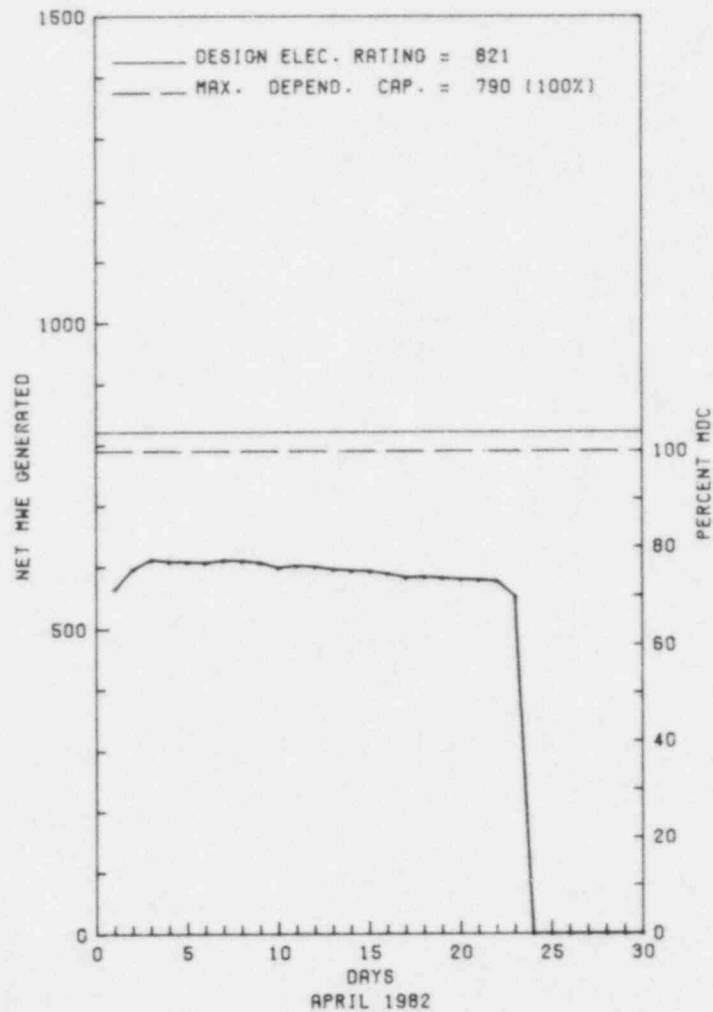
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/18/82

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-054	04/24/82	S	166.2	C	2		RC	FUELXX	REFUELING COMMENCES.

* SUMMARY *

BRUNSWICK 2 OPERATED ROUTINELY THRU THE 23RD, AND COMMENCED REFUELING ON APRIL 24TH.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. MYERS
LICENSING PROJ MANAGER.....J. VAN VLIET
DOCKET NUMBER.....50-324
LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
109 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 15 - MARCH 15 (82-08): THIS INSPECTION INVOLVED 112 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF VIOLATIONS, REVIEW OF LICENSEE EVENT REPORTS, REVIEW AND AUDIT OF ONSITE SAFETY COMMITTEE MEETINGS, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES, FOLLOWUP OF PLANT TRANSIENTS AND SAFETY SYSTEM CHALLENGES, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP ON TMI TASK ACTION PLAN ITEMS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES AND INDEPENDENT INSPECTION. OF THE 9 AREAS INSPECTED, ONE VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED (FAILURE TO TAKE PROPER CORRECTIVE ACTION) AND ONE DEVIATION WAS IDENTIFIED (FAILURE TO REVISE PROCEDURES IN ACCORDANCE WITH TMI ACTION ITEMS REQUIREMENTS).

INSPECTION MARCH 22-26 AND 30-31 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 43 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMISTRY AND RADIOCHEMISTRY PROCEDURES; AIRBORNE EFFLUENT ACCOUNTABILITY; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC RII MOBILE LABORATORY. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW APPROVED PROCEDURE FOR SAMPLING STACK GAS).

INSPECTION JANUARY 19-21 (82-10): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 40 INSPECTOR-HOURS ON SITE IN THE AREA OF REVIEW OF THE SCRAM EVENT OF JANUARY 16, 1982 IN WHICH ALL RHR SERVICE WATER PUMPS FAILED TO START. OF THE AREA INSPECTED, FOUR VIOLATIONS WERE FOUND (FAILURE TO FOLLOW PROCEDURES; FAILURE TO MEET COMMITMENTS OF TMI ACTION ITEM I.C.6 AS ORDERED BY THE NRC; FAILURE TO TAKE CORRECTIVE ACTION; AND FAILURE TO IMPLEMENT PROCEDURES).

INSPECTION MARCH 15 - APRIL 15 (82-11): THE INSPECTION INVOLVED 108 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE

INSPECTION SUMMARY

EVENT REPORTS, FOLLOWUP ON BULLETINS, FOLLOWUP ON CIRCULARS, FOLLOWUP ON SIGNIFICANT EVENTS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, OPERATIONAL SAFETY VERIFICATION, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES AND INDEPENDENT INSPECTION. OF THE 8 AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING OUTAGE BEGAN 4/24.

LAST IE SITE INSPECTION DATE: MARCH 15 - APRIL 15, 1982 +

INSPECTION REPORT NO: 50-324/82-11 +

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NUMBER      DATE OF      DATE OF      SUBJECT
EVENT      REPORT
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82-011/    03/21/82   04/02/82   HIGH PRESSURE COOLANT INJECTION TRIPPED ANNUNCIATOR RECEIVED WITH OUTBOARD STEAM SUPPLY VALVE
01T-0      03/21/82   04/02/82   CLOSED

82-012/    03/29/82   04/01/82   PHASE DIFFERENTIAL RELAY CFD 128 USED ON DIESEL GENERATOR CONTROL CIRCUITS NOT SEISMICALLY
01T-0      03/29/82   04/01/82   QUALIFIED

82-023/    03/05/82   03/29/82   BREACH OF FIRE BARRIER AND SECONDARY CONTAINMENT INTEGRITY
03L-0

82-030/    02/26/82   03/24/82   CONTROL ROD 18-27 NOT DISPLAYING PROPERLY
03L-0

82-033/    02/16/82   03/17/82   REACTOR COOLANT CONDUCTIVITY HIGH
03L-0

82-034/    02/16/82   03/17/82   REACTOR BUILDING EXHAUST VENTILATION RADIATION INSTRUMENTATION INADVERTENTLY ACTUATED
03L-0

82-036/    03/14/82   04/13/82   REACTOR COOLANT ACTIVITY EXCEEDED TECHNICAL SPECIFICATION LIMITS FOR SEVEN HOURS
03L-0

82-037/    02/16/82   03/12/82   NUMBER 4 DIESEL GENERATOR CONTROL AIR PRESSURE BELOW 100-PSIG
03L-0

82-039/    03/04/82   03/30/82   PRIMARY CONTAINMENT ATMOSPHERIC OXYGEN ANALYZER 2-CAC-AT-1259-2 OUT-OF-CALIBRATION
03L-0

82-040/    02/17/82   03/17/82   DRYWELL FLOOR DRAIN FLOW INTEGRATOR 2-G16-FQ-K601 CONTINUOUSLY COUNTING
03L-0

82-041/    03/14/82   04/13/82   STANDBY LIQUID CONTROL SYSTEM RELIEF VALVE 2-C41-F029A LIFTED AT 1465 PSIG
03L-0

82-042/    02/27/82   03/24/82   SUPPRESSION CHAMBER WATER TEMPERATURE RECORDER NOT RECORDING
03L-0

82-044/    03/01/82   03/29/82   HIGH PRESSURE COOLANT INJECTION ROOM AMBIENT TEMPERATURE SWITCH 2-E41-TS-N602A WOULD NOT RESPOND
03L-0

82-045/    03/01/82   03/26/82   REACTOR LOW WATER LEVEL SWITCH 2-B21-LIS-N031B-2 WOULD NOT ACTUATE
03L-0

82-046/    03/02/82   03/29/82   CONTROL ROD DRIVE ACCUMULATOR LOW PRESSURE/HIGH LEVEL ANNUNCIATION FOR ROD 06-43 RECIEVED
03L-0

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Report Period APR 1982

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

* BRUNSWICK 2 *

82-047/ 03L-0	03/04/82	03/29/82	SUPPRESSION CHAMBER WATER LEVEL INDICATOR 2-CAC-LI-3342 OUT-OF-CALIBRATION
82-050/ 03L-0	02/27/82	03/26/82	NEW PLANT PROCEDURES IMPROPERLY IMPLEMENTED
82-053/ 03L-0	03/16/82	04/14/82	FIRE HOSE STATION 2-RB-22 INOPERABLE
82-054/ 03L-0	03/14/82	04/13/82	REACTOR LOW WATER LEVEL SWITCH 2-B21-L15-N017D OUT OF CALIBRATION
82-055/ 03L-0	03/18/82	03/18/82	DURING HIGH ENERGY LINE BREAK REACTOR WATER CLEANUP RETURN LINE WILL NOT MEET REQUIREMENTS
82-057/ 03L-0	03/17/82	04/15/82	AUTO-OPEN ACTUATION SWITCH OPERATED HOWEVER THE VALVE FAILED TO OPEN

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1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ELAINE LOTITO (301) 787-5363

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>61,188.0</u>
13. Hours Reactor Critical	<u>387.4</u>	<u>2,547.4</u>	<u>49,147.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,792.4</u>
15. Hrs Generator On-Line	<u>387.4</u>	<u>2,547.4</u>	<u>48,149.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,022,292</u>	<u>6,735,967</u>	<u>116,655,445</u>
18. Gross Elec Ener (MWH)	<u>344,734</u>	<u>2,274,438</u>	<u>38,268,435</u>
19. Net Elec Ener (MWH)	<u>327,686</u>	<u>2,178,927</u>	<u>36,480,960</u>
20. Unit Service Factor	<u>53.9</u>	<u>88.5</u>	<u>78.7</u>
21. Unit Avail Factor	<u>53.9</u>	<u>88.5</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>55.2</u>	<u>91.7</u>	<u>72.3*</u>
23. Unit Cap Factor (DER Net)	<u>53.9</u>	<u>89.6</u>	<u>70.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,317.8</u>

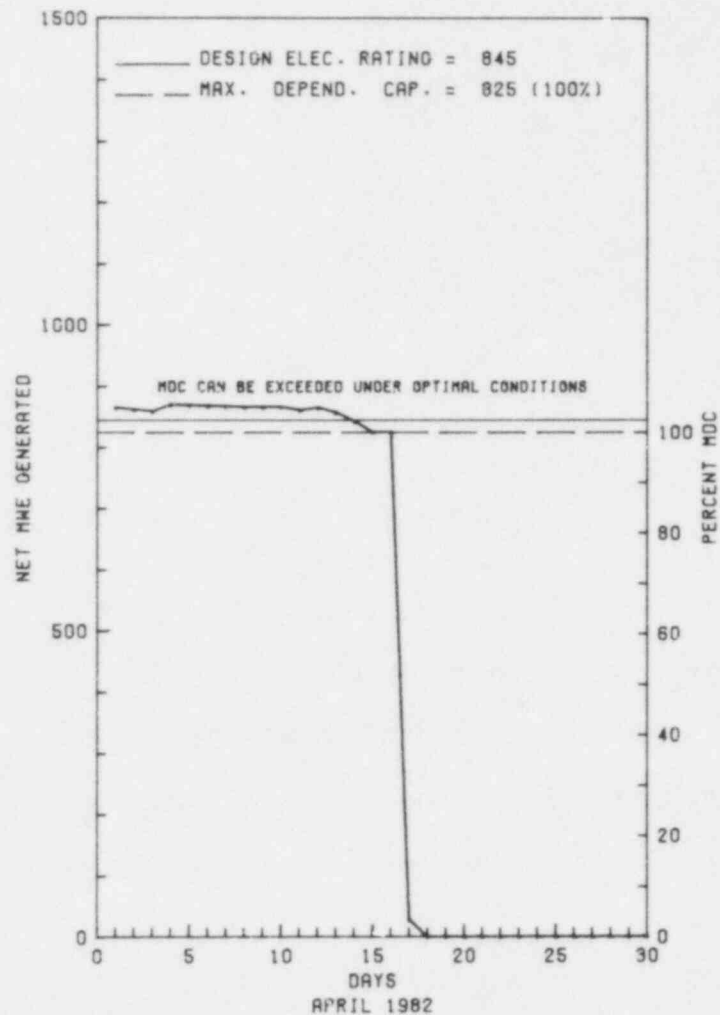
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
4/17/82 FOR REFUELING, UNIT GENERAL INSPECTION

27. If Currently Shutdown Estimated Startup Date: 07/26/82

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



* Item calculated with a Weighted Average

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
82-01	04/17/82	S	331.6	C	1		XX	FUELX	REFUELING, UNIT GENERAL INSPECTION AND RETUBE CONDENSER.

 * SUMMARY *

 CALVERT CLIFFS 1 OPERATED ROUTINELY UNTIL APRIL 17TH, WHEN THE UNIT SHUTDOWN FOR REFUELING AND MAINTENANCE.

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. ARCHITZEL
LICENSING PROJ MANAGER....D. JAFFE
DOCKET NUMBER.....50-317
LICENSE & DATE ISSUANCE...DPR-53, JULY 31, 1974
PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
PRINCE FREDERICK, MARYLAND 20678

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

INSPECTION SUMMARY

- + 50-317/81-29 - AUG 17-21: ROUTINE UNANNOUNCED REGION-BASED INSPECTION (5 HRS), OF LICENSEE ACTIONS ON NRC:IE BULLETIN NO. 80-10, "CONTAMINATION OF NONRADIOACTIVE SYSTEMS AND RESULTING POTENTIAL FOR UNMONITORED UNCONTROLLED RELEASE TO ENVIRONMENT," INCLUDING: IDENTIFICATION OF INTERFACES BETWEEN NONRADIOACTIVE AND RADIOACTIVE SYSTEMS, EVALUATION AND CONSIDERATION OF INTERIM MEASURES IN THE EVENT THAT NONRADIOACTIVE SYSTEMS BECOME RADIOACTIVE, CORRECTIVE ACTIONS, IMPLEMENTATION OF THE SAMPLING PROGRAM FOR UNMONITORED POTENTIAL RELEASE PATHS, AND DOCUMENTATION. NO VIOLATIONS WERE IDENTIFIED.
- + 50-317/82-01 - JAN 18-28: A SPECIAL, ANNOUNCED INSPECTION BY FOUR NRC PERFORMANCE APPRAISAL INSPECTORS (208 HRS) WAS PERFORMED ON THE LICENSEE'S MANAGEMENT CONTROLS OVER SELECTED LICENSED ACTIVITIES. NO VIOLATIONS WERE CITED.
- + 50-317/82-05 - MAR 2-4: ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTION BY THE RESIDENT INSPECTOR (98 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM AND THE ACCESSIBLE PORTIONS OF THE AUXILIARY, TURBINE, SERVICE AND INTAKE BUILDINGS; RADIATION PROTECTION; PHYSICAL SECURITY; FIRE PROTECTION; PLANT OPERATIONS; PLANT OPERATING RECORDS; MAINTENANCE; SURVEILLANCE; RADIOACTIVE WASTE RELEASES; OPEN ITEMS; IE BULLETINS; TMI ACTION PLAN ITEMS; AND REPORTS TO THE NRC. ONE VIOLATION WAS IDENTIFIED: FAILURE TO CONDUCT REQUIRED SAFETY REVIEWS FOR FACILITY CHANGES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NO SIGNIFICANT NEW INFORMATION.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-317/82-09 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-009/ 03L	03/14/82	04/14/82	RPS CHANNEL B HI POWER, THERMAL MARGIN/LOW PRESSURE & AXIAL SHAPE INDEX TUS BYPASSED: TH INPUT FAILING LOW
82-010/ 03L	03/19/82	04/12/82	CEA PULSE COUNTING SYSTEM & INCORE DETECTION SYSTEM INOPERABLE
82-011/ 03L	03/21/82	04/16/82	CEA 21 DROPPED INTO CORE
82-012/ 03L	03/16/82	04/15/82	11 AND 12 CHARGING PUMPS INOPERABLE
82-013/ 03L	03/16/82	04/15/82	12 CHARGING PUMP OUT-OF-SERVICE FOR MAINTENANCE & 13 CHARGING PUMP INOPERABLE
82-015/ 03L	04/07/82	04/23/82	PRESSURIZER LEVEL EXCEEDED 5% PROGRAM BAND
82-016/ 03L	04/01/82	04/27/82	ECCS EXHAUST FILTER TRAIN INOPERABLE

Report Period APR 1982

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

* CALVERT CLIFFS 1 *

82-017/ 03L	03/22/82	04/21/82	12 CONTROL ROOM A/C UNIT INOPERABLE
82-018/ 03L	04/06/82	05/04/82	12 ECCS PUMP ROOM EXHAUST FAN REMOVED FROM SERVICE FOR SHAFT BEARING REPLACEMENT
82-019/ 01T	04/15/82	04/29/82	HYDROGEN ANALYZER INOPERABLE
82-022/ 01T	05/03/82	05/04/82	U1 OPERATIONS IN EXCESS OF 200 DEGRESS PERFORMED WITH COMBINED LEAKAGE RATE OF GREATER THAN 0.60 LA FOR ALL PENETRATIONS AND VALVES SUBJECT TO TYPE B & C TESTS DURING CYCLE 5

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ELAINE LOIITO (301) 787-5363

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1012 X 0.9 = 911

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>44,543.0</u>
13. Hours Reactor Critical	<u>709.6</u>	<u>2,569.7</u>	<u>38,137.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.4</u>	<u>723.9</u>
15. Hrs Generator On-Line	<u>705.7</u>	<u>2,547.2</u>	<u>37,591.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,879,776</u>	<u>6,726,888</u>	<u>92,771,443</u>
18. Gross Elec Ener (MWH)	<u>626,306</u>	<u>2,241,248</u>	<u>30,656,651</u>
19. Net Elec Ener (MWH)	<u>601,550</u>	<u>2,145,486</u>	<u>29,231,297</u>
20. Unit Service Factor	<u>98.2</u>	<u>88.5</u>	<u>84.4</u>
21. Unit Avail Factor	<u>98.2</u>	<u>88.5</u>	<u>84.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>90.3</u>	<u>79.5*</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>88.2</u>	<u>77.7</u>
24. Unit Forced Outage Rate	<u>1.8</u>	<u>11.5</u>	<u>5.8</u>
25. Forced Outage Hours	<u>13.3</u>	<u>331.8</u>	<u>2,319.4</u>

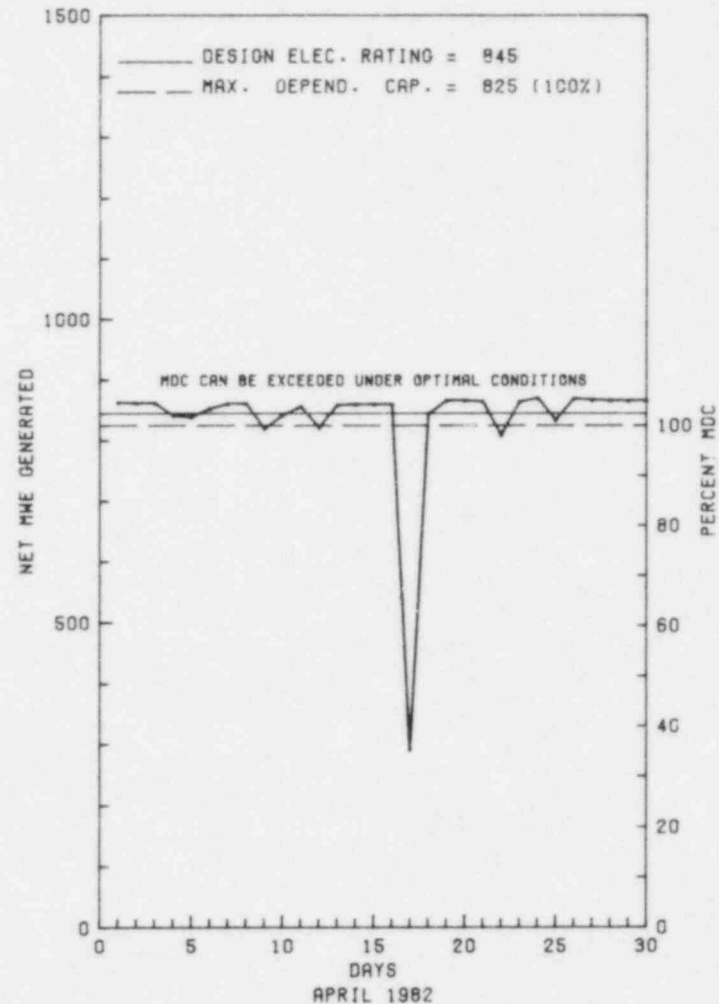
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



* Item calculated with a Weighted Average

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-07	04/17/82	F	13.3	G	1		XX	ZZZZZ	TECHNICIAN ERROR CAUSED REACTOR TO MANUALLY TRIP WHEN TWO CONTROL ELEMENT ASSEMBLIES DROPPED TO BOTTOM OF CORE.

***** CALVERT CLIFFS 2 OPERATED ROUTINELY WITH 1 OUTAGE ON APRIL 17TH FOR OPERATOR ERROR.
 * SUMMARY *

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

* CALVERT CLIFFS 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

- + 50-318/81-27 - AUG 17-21: ROUTINE, UNANNOUNCED SAFETY INSPECTION BY A REGION-BASED INSPECTOR (5 HRS) OF LICENSEE ACTIONS ON NRC:IE BULLETIN NO. 80-10, "CONTAMINATION OF NONRADIOACTIVE SYSTEMS AND RESULTING POTENTIAL FOR UNMONITORED, UNCONTROLLED RELEASE TO ENVIRONMENT," INCLUDING IDENTIFICATION OF INTERFACES BETWEEN NONRADIOACTIVE AND RADIOACTIVE SYSTEMS, EVALUATIONS AND CONSIDERATION OF INTERIM MEASURES IN THE EVENT THAT NONRADIOACTIVE SYSTEMS BECOME RADIOACTIVE, CORRECTIVE ACTIONS, IMPLEMENTATION OF THE SAMPLING PROGRAM FOR UNMONITORED POTENTIAL RELEASE PATHS, AND DOCUMENTATION. NO VIOLATIONS WERE IDENTIFIED.
- + 50-318/82-01 - JAN 18-28: A SPECIAL, ANNOUNCED INSPECTION BY FOUR NRC PERFORMANCE APPRAISAL INSPECTORS (208 HRS) WAS PERFORMED ON THE LICENSEE'S MANAGEMENT CONTROLS OVER SELECTED LICENSED ACTIVITIES. NO VIOLATIONS WERE CITED.
- + 50-318/82-05 - MAR 2-4: ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTION BY THE RESIDENT INSPECTOR (98 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM AND THE ACCESSIBLE PORTIONS OF THE AUXILIARY, TURBINE, SERVICE, AND INTAKE BUILDINGS; RADIATION PROTECTION; PHYSICAL SECURITY; FIRE PROTECTION; PLANT OPERATIONS; PLANT OPERATING RECORDS; MAINTENANCE; SURVEILLANCE; RADIOACTIVE WASTE RELEASES; OPEN ITEMS; IE BULLETINS; TMI ACTION PLAN ITEMS; AND REPORTS TO THE NRC. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO POST A RADIATION AREA AS REQUIRED; FAILURE TO CONTROL DRAWING CHANGES; FAILURE TO CONDUCT REQUIRED SAFETY REVIEWS FOR FACILITY CHANGES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NO SIGNIFICANT NEW INFORMATION.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-318/82-09 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-015/ 03L	03/20/82	04/19/82	NEGATIVE LIMIT SETPOINT FOR CHANNEL A OF RPS AXIAL SHAPE INDEX TU OUT OF SPECIFICATION
82-016 03L	04/02/82	04/30/82	PLANT COMPUTER FAILED CAUSING LOSS OF CEA PULSE COUNT SYSTEM & INCORE DETECTION SYSTEM
82-017/ 03L	04/07/82	05/04/82	23 CHARGING PUMP REMOVED FROM SERVICE WHILE 22 CHARGING PUMP OUT-OF-SERVICE
82-019/ 03L	03/28/82	04/27/82	CEA 3B REED SWITCH POSITION INDICATOR CHANNEL GIVING ERRONEOUS INDICATION

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ANN MIGHT (616) 465-5901

4. Licensed Thermal Power (MWt): 3250

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

6. Design Electrical Rating (Net MWe): 1054

7. Maximum Dependable Capacity (Gross MWe): 1080

8. Maximum Dependable Capacity (Net MWe): 1044

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>64,247.0</u>
13. Hours Reactor Critical	<u>705.9</u>	<u>1,875.8</u>	<u>48,149.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>703.2</u>	<u>1,846.6</u>	<u>47,068.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,243,660</u>	<u>5,837,250</u>	<u>136,200,439</u>
18. Gross Elec Ener (MWH)	<u>737,510</u>	<u>1,926,370</u>	<u>44,808,150</u>
19. Net Elec Ener (MWH)	<u>711,726</u>	<u>1,858,509</u>	<u>43,099,187</u>
20. Unit Service Factor	<u>97.8</u>	<u>64.1</u>	<u>75.8</u>
21. Unit Avail Factor	<u>97.8</u>	<u>64.1</u>	<u>75.8</u>
22. Unit Cap Factor (MDC Net)	<u>94.8</u>	<u>61.8</u>	<u>68.3</u>
23. Unit Cap Factor (DER Net)	<u>93.9</u>	<u>61.2</u>	<u>64.9</u>
24. Unit Forced Outage Rate	<u>2.2</u>	<u>35.8</u>	<u>8.4</u>
25. Forced Outage Hours	<u>15.8</u>	<u>1,031.6</u>	<u>3,969.9</u>

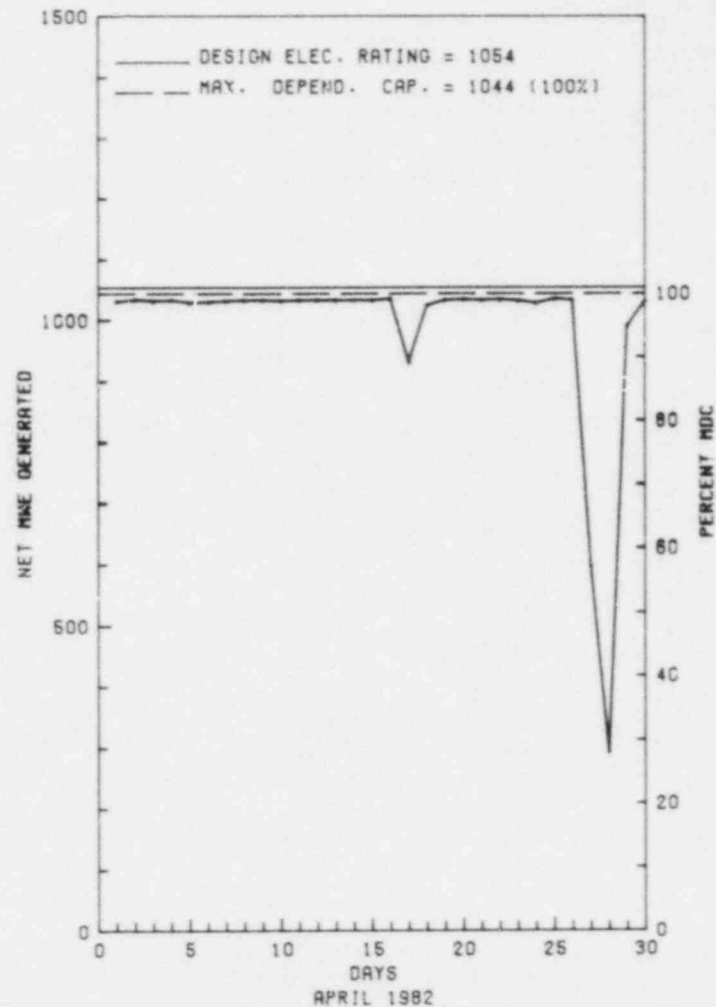
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
182	04/17/82	F	0.0	H	5		ZZ ZZZZZZ	STARTED REMOVING THE UNIT FROM SERVICE DUE TO EXCESSIVE NO. 1 SEAL LEAKOFF FLOW RATES ON ALL FOUR REACTOR COOLANT PUMPS. POWER REDUCTION WAS TERMINATED AT 72% WHEN LEAKOFF FLOW RATES WERE BACK WITHIN RANGE. REACTOR POWER WAS RETURNED TO 100% ON 820418.
183	04/27/82	F	15.8	A	3		ZZ ZZZZZZ	TURBINE/REACTOR TRIP DUE TO LOW CONDENSER VACUUM. LOW VACUUM CONDITION WAS CAUSED BY A FALSE "CLOSED" POSITION INDICATION ON "A" CONDENSER STARTUP AIR EJECTOR MOTOR-OPERATED ISOLATION VALVE, SMO-405, PERMITTING A SUDDEN AIR INLEAKAGE WHEN HAND VALVE WAS OPENED.

 * SUMMARY *

 COOK 1 OPERATED NORMALLY WITH 1 CUTAGE AND 1 REDUCTION DURING APRIL.

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

* COOK 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC
CORPORATE ADDRESS.....2 BROADWAY
NEW YORK, NEW YORK 10004
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....AMERICAN ELEC. POWER SERVICE CORP.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1 THROUGH MARCH 13, (82-04): ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTION CONDUCTED BY TWO RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, INSPECTION DURING LONG TERM SHUTDOWN, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATIONS, ONSITE REVIEW COMMITTEE, UNIT 1 BLACKOUT, PLANT TRIPS, LICENSEE EVENT REPORTS FOLLOWUP, NUREG-0737 TASK ACTION PLAN, AND MAINTENANCE OUTAGE. THE INSPECTION INVOLVED A TOTAL OF 299 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 58 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT HOURS. OF THE TEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS, (FAILURE TO COMPLY WITH TEST PROCEDURES DURING HYDROSTATIC TESTING; FAILURE TO ASSURE PROPER DOCUMENT CONTROL; AND FAILURE TO MAINTAIN ADEQUATE CONTROL, DOCUMENTATION, AND EVALUATION OF TEST EQUIPMENT PROCUREMENT AND CALIBRATION.)

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, REQUIRES ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND INCLUDE APPROPRIATE ACCEPTANCE CRITERIA FOR DETERMINING SATISFACTORY COMPLETION. 10 CFR 50, APPENDIX B, CRITERION VII, REQUIRES MEASURES BE ESTABLISHED TO ASSURE THAT PURCHASED SERVICES CONFORM TO PROCUREMENT DOCUMENTATION AND THAT, THE EFFECTIVENESS OF THE CONTROL OF QUALITY CONTRACTORS BE ASSESSED. PLANT PROCUREMENT CONTROL, PMI 3010, REQUIRES ORIGINATORS OF PURCHASE REQUISITIONS FOR SERVICES FOR NUCLEAR GRADE APPLICATION SELECT ONLY THOSE COMPANIES WHICH ARE ON THE QUALIFIED SUPPLIERS LIST. ENGINEERING/PERFORMANCE TEST PROCEDURES, PMI 6040, REQUIRES THAT CONTROLS BE ESTABLISHED TO CLEARLY IDENTIFY THE CALIBRATION

ENFORCEMENT SUMMARY

STATUS OF TEST EQUIPMENT USED AND THAT, WHENEVER ANY MEASURING DEVICE IS FOUND TO BE OUT OF CALIBRATION, AN EVALUATION BE MADE AND DOCUMENTED CONCERNING THE VALIDITY OF PREVIOUS MEASUREMENTS FROM THE TIME OF PRIOR CALIBRATION. PROCEDURE 12 THP 6030 IMP.001, REQUIRES THAT IF A STANDARD IS FOUND TO BE OUT OF CALIBRATION DURING A PERIODIC TEST, A DOCUMENTED EVALUATION UTILIZING THE DATA SHEET (AS-FOUND-DATA) WILL BE MADE OF THE VALIDITY OF ALL PLANT EQUIPMENT TESTS PERFORMED WITH THIS EQUIPMENT SINCE ITS LAST ACCEPTABLE CALIBRATION. CONTRARY TO THE ABOVE THE FOLLOWING WAS NOTED: TEST EQUIPMENT USED TO CHECK: (A) COMPONENTS USED IN THE THERMAL POWER MEASUREMENTS; (B) ICE CONDENSER DOOR SURVEILLANCE; AND (C) CONTAINMENT PURGE RATES, WAS EITHER PURCHASED FROM OR SERVICED BY VENDORS NOT ON THE QSL, AND THEREFORE HAD NOT BEEN QUALITY ASSURED PER PLANT CRITERIA. SOME TEST EQUIPMENT BEING CALIBRATED (SERVICED) BY OFFSITE VENDORS LACKED AS-FOUND-DATA, AND HAD NO DOCUMENTATION TO SHOW WHEN THEIR ADJUSTMENTS OR REPAIRS HAD BEEN MADE TO THE TEST EQUIPMENT DURING ITS CALIBRATION. THIS MADE IT IMPOSSIBLE TO EVALUATE THE SAFETY IMPLICATIONS OF MEASUREMENTS TAKEN WITH OUT OF CALIBRATION EQUIPMENT. 10 CFR 50, APPENDIX B, CRITERION VI, STATES IN PART: "...MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO...;" AND CONTROL DISTRIBUTION TO THE "...LOCATIONS WHERE THE PRESCRIBED ACTIVITY IS PERFORMED." DESIGN CHANGES PROCEDURE NO. PMI 5040, STATES IN PART, "...PARTIALLY INSTALLED RFC'S MUST BE INCLUDED ON THE "OP" DRAWINGS...IN THE PART INSTALLED HAS BEEN RETURNED TO OPERATING STATUS. THE "OP" DRAWING MUST BE REVISED...EVEN IF THE ENTIRE RFC HAS NOT BEEN COMPLETED." CONTRARY TO THE ABOVE, THE UNIT 1 PORTION OF DESIGN CHANGE RFC 12-2497, MODIFICATION TO THE EMERGENCY LEAK OFF FOR THE CENTRIFUGAL CHARGING PUMPS, WAS INSTALLED DURING THE FEBRUARY 1982 OUTAGE AND THE CONTROL ROOM DRAWINGS WERE NOT BROUGHT UP TO DATE UNTIL AFTER THE UNIT STARTED UP ON MARCH 3, 1982. THE RELOCATION OF VALVES, LACK OF VALVE LABELS, AND OUT OF DATE DRAWINGS CONFUSED OPERATORS PERFORMING STARTUP ALIGNMENT CHECKS ON THE SYSTEM. 10 CFR 50, APPENDIX B, CRITERION V, REQUIRES ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND INCLUDE APPROPRIATE ACCEPTANCE CRITERIA FOR DETERMINING SATISFACTORY COMPLETION. 10 CFR 50, APPENDIX B, CRITERION VII, REQUIRES MEASURES BE ESTABLISHED TO ASSURE THAT PURCHASED SERVICES CONFORM TO PROCUREMENT DOCUMENTATION AND THAT, THE EFFECTIVENESS OF THE CONTROL OF QUALITY CONTRACTORS BE ASSESSED. PLANT PROCUREMENT CONTROL, PMI 3010, REQUIRES ORIGINATORS OF PURCHASE REQUISITIONS FOR SERVICES FOR NUCLEAR GRADE APPLICATION SELECT ONLY THOSE COMPANIES WHICH ARE ON THE QUALIFIED SUPPLIERS LIST. ENGINEERING/PERFORMANCE TEST PROCEDURES, PMI 6040, REQUIRES THAT CONTROLS BE ESTABLISHED TO CLEARLY IDENTIFY THE CALIBRATION STATUS OF TEST EQUIPMENT USED AND THAT, WHENEVER ANY MEASURING DEVICE IS FOUND TO BE OUT OF CALIBRATION, AN EVALUATION BE MADE AND DOCUMENTED CONCERNING THE VALIDITY OF PREVIOUS MEASUREMENTS FROM THE TIME OF PRIOR CALIBRATION. PROCEDURE 12 THP 6030 IMP.001, REQUIRES THAT IF A STANDARD IS FOUND TO BE OUT OF CALIBRATION DURING A PERIODIC TEST, A DOCUMENTED EVALUATION UTILIZING THE DATA SHEET (AS-FOUND-DATA) WILL BE MADE OF THE VALIDITY OF ALL PLANT EQUIPMENT TESTS PERFORMED WITH THIS EQUIPMENT SINCE ITS LAST ACCEPTABLE CALIBRATION. CONTRARY TO THE ABOVE THE FOLLOWING WAS NOTED: TEST EQUIPMENT USED TO CHECK: (A) COMPONENTS USED IN THE THERMAL POWER MEASUREMENTS; (B) ICE CONDENSER DOOR SURVEILLANCE; AND (C) CONTAINMENT PURGE RATES, WAS EITHER PURCHASED FROM OR SERVICED BY VENDORS NOT ON THE QSL, AND THEREFORE HAD NOT BEEN QUALITY ASSURED PER PLANT CRITERIA. SOME TEST EQUIPMENT BEING CALIBRATED (SERVICED) BY OFFSITE VENDORS LACKED AS-FOUND-DATA, AND HAD NO DOCUMENTATION TO SHOW WHEN THEIR ADJUSTMENTS OR REPAIRS HAD BEEN MADE TO THE TEST EQUIPMENT DURING ITS CALIBRATION. THIS MADE IT IMPOSSIBLE TO EVALUATE THE SAFETY IMPLICATIONS OF MEASUREMENTS TAKEN WITH OUT OF CALIBRATION EQUIPMENT. UNIT 2, TECH. SPEC. 6.8.1 STATES IN PART: "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING...SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT." HYDROSTATIC TEST PROCEDURE, "12 MHP 3050 SPC.005," STATES IN PART, "THAT THE TEST PRESSURE IS 1.10 TIMES DESIGN PRESSURE AND THAT A SAFETY RELIEF VALVE SHOULD BE SET AT 1.10 TIMES TEST PRESSURE TO PROVIDE OVERPRESSURE PROTECTION TO THE TESTED SYSTEM." CONTRARY TO THE ABOVE, WHILE CONDUCTING A HYDROSTATIC TEST ON A PORTION OF THE NO. 2 "E" ESSENTIAL SERVICE WATER SYSTEM, FOLLOWING REPAIRS; THE LICENSEE FAILED TO INSTALL A SAFETY RELIEF VALVE AND DID NOT REFERENCE THE TEST PROCEDURE FOR THE REQUIRED TEST PRESSURE UNTIL AFTER 1.24 TIMES THE TEST PRESSURE HAD BEEN PLACED ON THE SYSTEM.

(8204 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

MODIFICATION TO ECCS HIGH HEAD INJECTION SYSTEM TO INSTALL EMERGENCY LEAK-OFF LINES ON UNIT 1 COMPLETED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ANN MIGHT (616) 465-5901

4. Licensed Thermal Power (MWt): 3391

5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1118

8. Maximum Dependable Capacity (Net MWe): 1082

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>37,943.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,385.1</u>	<u>26,410.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,364.3</u>	<u>25,585.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,391,274</u>	<u>7,716,963</u>	<u>81,777,784</u>
18. Gross Elec Ener (MWH)	<u>791,690</u>	<u>2,548,120</u>	<u>26,255,920</u>
19. Net Elec Ener (MWH)	<u>764,517</u>	<u>2,459,186</u>	<u>25,303,309</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.1</u>	<u>72.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.1</u>	<u>72.2</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>78.9</u>	<u>67.7</u>
23. Unit Cap Factor (DER Net)	<u>95.7</u>	<u>77.7</u>	<u>66.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.9</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>514.7</u>	<u>4,108.7</u>

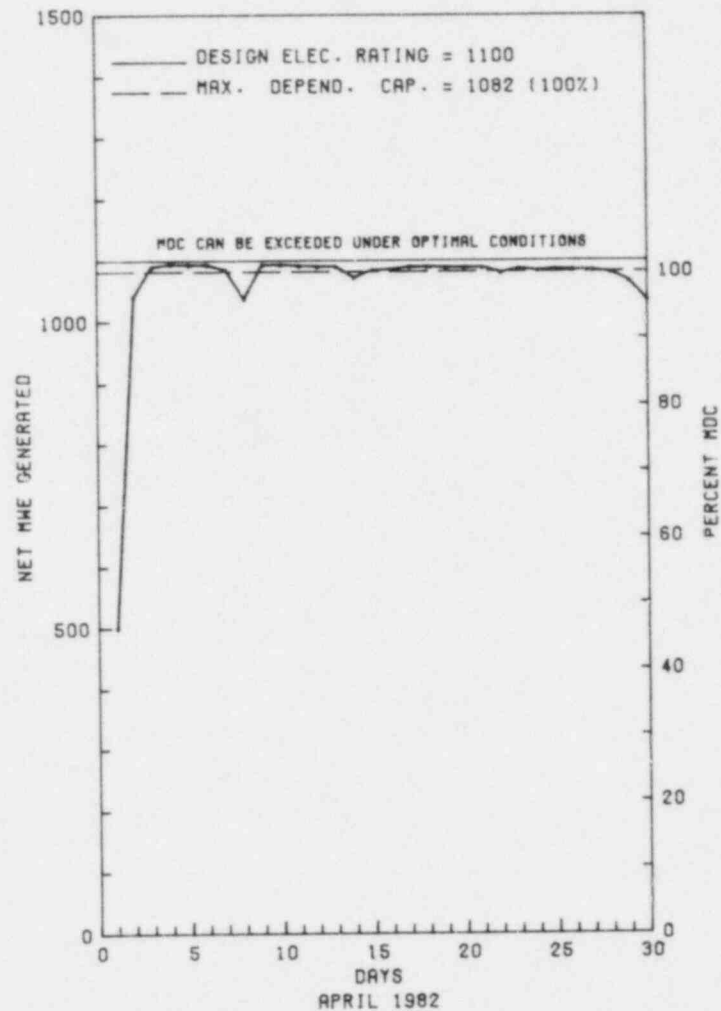
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
109	04/07/82	S	0.0	B	5		ZZ	ZZZZZZ	REACTOR POWER REDUCED TO 80% TO PERFORM SECONDARY SIDE FLOW VERIFICATION TESTS. REACTOR POWER RETURNED TO 100% 820408.
110	04/29/82	S	0.0	B	5		ZZ	ZZZZZZ	REACTOR POWER REDUCED TO 85% TO PERFORM SECONDARY SIDE FLOW VERIFICATION TESTS. REACTOR POWER RETURNED TO 100% 820430.

 * SUMMARY *

 COOK 2 OPERATED NORMALLY WITH 2 REDUCTIONS AND NO OUTAGES DURING APRIL.

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

* COOK 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 10, 1978
DATE ELEC ENER 1ST GENER...MARCH 22, 1978
DATE COMMERCIAL OPERATE...JULY 1, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC
CORPORATE ADDRESS.....2 BROADWAY
NEW YORK, NEW YORK 10004
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....J. A. JONES CONSTRUCTION
TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....R. CILIMBERG
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1 THROUGH MARCH 13, (82-04): ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTION CONDUCTED BY TWO RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, INSPECTION DURING LONG TERM SHUTDOWN, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATIONS, ONSITE REVIEW COMMITTEE, UNIT 1 BLACKOUT, PLANT TRIPS, LICENSEE EVENT REPORTS FOLLOWUP, NUREG-0737 TASK ACTION PLAN, AND MAINTENANCE OUTAGE. THE INSPECTION INVOLVED A TOTAL OF 299 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 58 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT HOURS. OF THE TEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS, (FAILURE TO COMPLY WITH TEST PROCEDURES DURING HYDROSTATIC TESTING; FAILURE TO ASSURE PROPER DOCUMENT CONTROL; AND FAILURE TO MAINTAIN ADEQUATE CONTROL, DOCUMENTATION, AND EVALUATION OF TEST EQUIPMENT PROCUREMENT AND CALIBRATION.)

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 1 THROUGH MARCH 13, 1982

INSPECTION REPORT NO: 82-04

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

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NUMBER      DATE OF      DATE OF      SUBJECT
          EVENT        REPORT
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82-17/      02/23/82    02/24/82    THE RCS TEMP. DROPPED WHICH RESULTED IN PRESSURIZER PRESSURE DECREASING TO BELOW MINIMUM
03L-0
82-18/      03/11/82    03/26/82    THE RCS DOSE IODINE-131 CONCENTRATION EXCEEDED THE STEADY STATE LIMIT OF T.S.
03L-0
82-19/      04/01/82    04/12/82    AN UNPLANNED GAS RELEASE WAS DETECTED BY AN ELEVATED UNIT 2 VENT STACK GASEOUS MONITOR READING.
04T-0
82-20/      04/01/82    04/13/82    AN UNPLANNED GAS RELEASE WAS DETECTED BY AN ELEVATED UNIT 2 VENT STACK GASEOUS MONITOR READING.
04T-0
82-21/      03/15/82    04/13/82    ONE HEPA FILTER DID NOT MEET THE AIR FLOW DISTRIBUTION CRITERIA AS PER T.S.
03L-0
82-22/      03/11/82    04/20/82    NONCONFORMANCES TO THE AMENDED T.S. OCCURRED WHEN AMENDMENT 39 TO T.S. WAS RECEIVED ON 3/27 AND
01T-0          EFFECT. DATE OF 3/11.
82-23/      03/23/82    04/21/82    THREE CONTAINMENT SPRAY NOZZLES WERE FOUND TO BE OBSTRUCTED.
03L-0

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Report Period APR 1982

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

* COOK 2 *

82-24/ 03/25/82 04/23/82 ROLL-UP FIRE DOOR NO. 344 WOULD NOT CLOSE UPON AUTOMATIC CLOSURE ACTIVATION.
03L-0

82-25/ 03/16/82 04/23/82 THE MINIMUM AVG. WT. OF SAMPLE BASKETS FROM RADIAL ROWS 8 AND 9 WERE LESS THAN 1220 LBS/BASKET
03L-0 AT A 95 PERCENT LEVEL OF CONFIDENCE.

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: P. L. BALLINGER (402) 825-3811

4. Licensed Thermal Power (MWt): 2781

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>68,664.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,821.9</u>	<u>56,708.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,814.3</u>	<u>55,771.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,567,632</u>	<u>6,302,736</u>	<u>109,991,214</u>
18. Gross Elec Ener (MWH)	<u>524,610</u>	<u>2,101,655</u>	<u>34,582,442</u>
19. Net Elec Ener (MWH)	<u>508,489</u>	<u>2,036,762</u>	<u>33,334,140</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.8</u>	<u>81.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.8</u>	<u>81.2</u>
22. Unit Cap Factor (MDC Net)	<u>92.6</u>	<u>92.6</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>90.9</u>	<u>90.9</u>	<u>62.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>64.7</u>	<u>1,641.8</u>

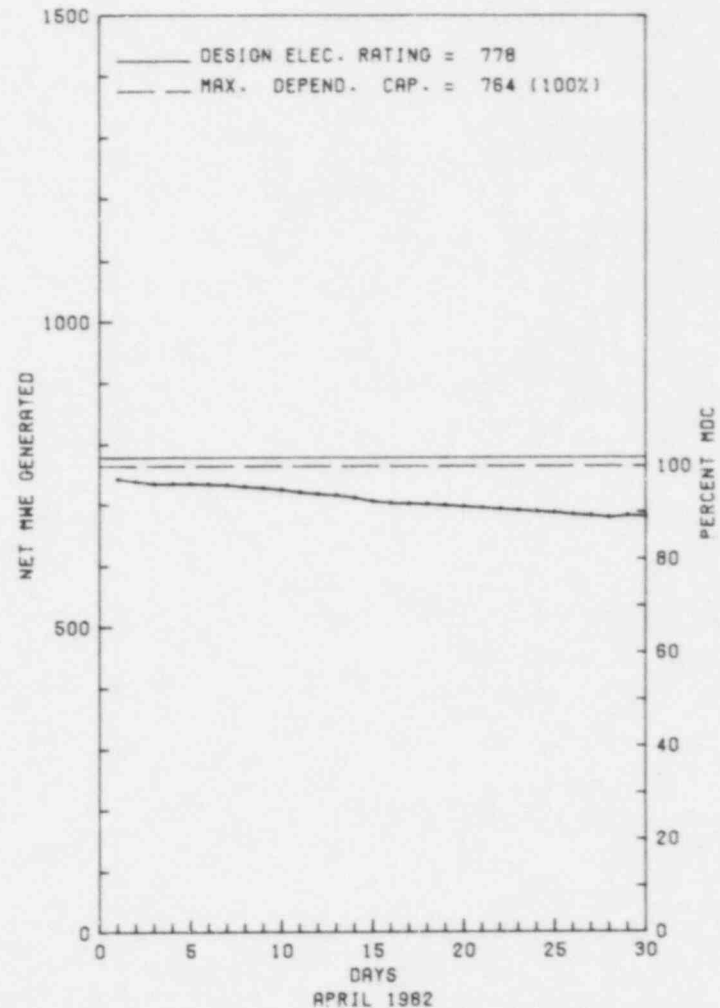
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING, MAY 22, 1982, 4 WEEKS

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



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

NONE

 * SUMMARY *

 COOPER STATION OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING APRIL.

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

* COOPER STATION *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....D. DUBOIS
LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE...DPR-46, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
118 15TH STREET
AUBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1-28, 1982 (82-05): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY EQUIPMENT SURVEILLANCE AND MAINTENANCE OBSERVATIONS; FOLLOW UP OF LICENSEE EVENTS, PREVIOUSLY IDENTIFIED ITEMS, AND TMI ACTION PLAN REQUIREMENTS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 8-10 AND MARCH 12, 1982 (82-06): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, FIRE PROTECTION MODIFICATIONS, AND REVIEW OF LICENSEE ACTIONS AT THE CORPORATE OFFICES DURING A SCHEDULED EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: MARCH 12, 1982

INSPECTION REPORT NO: 50-298/82-06

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-06	03/22/82	04/21/82	FAILURE TO MEET PRIMARY CONTAINMENT OXYGEN AND DRYWELL - SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE TECHNICAL SPECIFICATION LIMITS
82-07	03/24/82	04/22/82	REDUCTION OF DRYWELL - SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE TO LESS THAN THE TECHNICAL SPECIFICATION LIMIT

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: M.W. CULVER (904) 795-6486

4. Licensed Thermal Power (MWt): 2544

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

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 845

8. Maximum Dependable Capacity (Net MWe): 806

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

10. Power Level To Which Restricted, If Any (Net MWe): 780

11. Reasons for Restrictions, If Any:
2300 MW RESTRICTION - RC PUMP POWER MONITORS BYPASSED

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>44,999.0</u>
13. Hours Reactor Critical	<u>690.6</u>	<u>1,993.7</u>	<u>27,442.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>3.9</u>	<u>1,213.1</u>
15. Hrs Generator On-Line	<u>686.3</u>	<u>1,968.9</u>	<u>26,781.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,508,450</u>	<u>4,557,538</u>	<u>59,924,479</u>
18. Gross Elec Ener (MWH)	<u>510,763</u>	<u>1,557,872</u>	<u>20,357,463</u>
19. Net Elec Ener (MWH)	<u>425,372</u>	<u>1,483,948</u>	<u>19,313,246</u>
20. Unit Service Factor	<u>95.5</u>	<u>68.4</u>	<u>59.5</u>
21. Unit Avail Factor	<u>95.5</u>	<u>68.4</u>	<u>59.5</u>
22. Unit Cap Factor (MDC Net)	<u>83.8</u>	<u>64.0</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>81.8</u>	<u>62.5</u>	<u>52.0</u>
24. Unit Forced Outage Rate	<u>4.5</u>	<u>31.6</u>	<u>27.6</u>
25. Forced Outage Hours	<u>32.7</u>	<u>910.0</u>	<u>10,227.9</u>

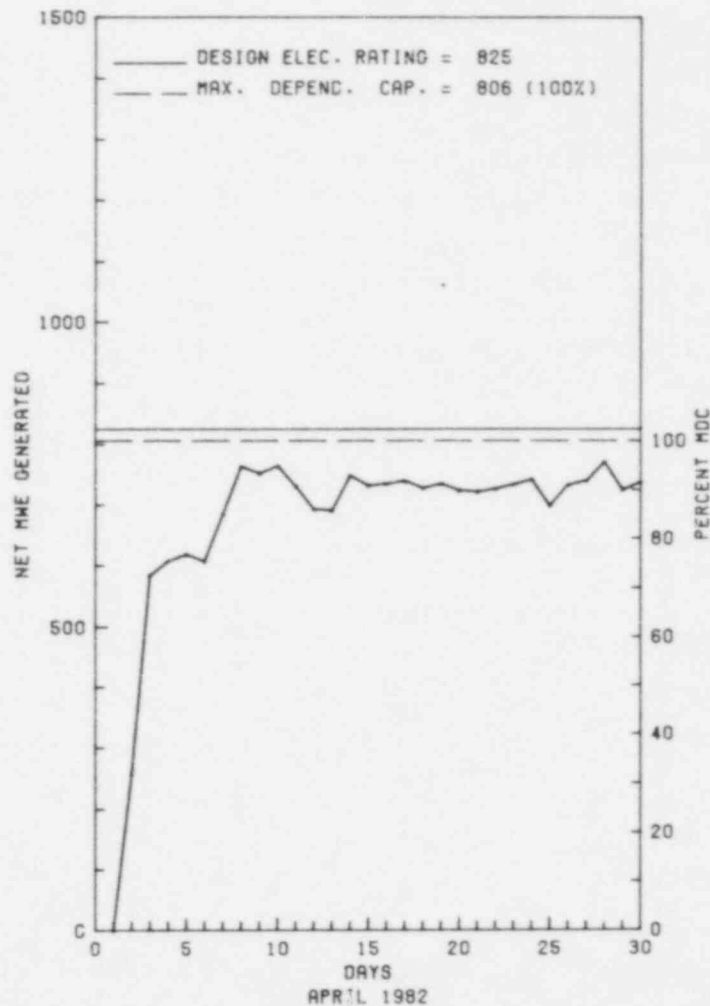
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
TURBINE MAINTENANCE OUTAGE SCHEDULED FOR 5/21/82 - 4 DAYS.

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-8	04/01/82	F	32.7	A	3		IA	INSTRU	CONTINUATION OF OUTAGE FROM LAST MONTH.
8209	04/02/82	F	0.0	D	5		IA	INSTRU	RESTRICTED TO 75% FP UNTIL AN EVALUATION HAS BEEN MADE TO DETERMINE WHAT POWER LEVEL CAN BE ATTAINED WITH THE RC PUMP POWER MONITORS BYPASSED.
82-10	04/07/82	F	0.0	D	5		IA	INSTRU	RESTRICTED TO 90.4% FP (2300 MWTH) WITH RC PUMP POWER MONITORS BYPASSED.

 * SUMMARY *

 CRYSTAL RIVER 3 OPERATED ROUTINELY DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....CITRUS

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

TYPE OF REACTOR.....PWR

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

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

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

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA

LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-302

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

PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32639

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 2-18 (82-03): THIS SPECIAL INSPECTION WAS PERFORMED FOR THE FOLLOWING PURPOSES: (1) TO ESTABLISH A FACTUAL RECOUNTING OF SIGNIFICANT EVENTS SURROUNDING THE CRYSTAL RIVER 3 MAKE-UP LINE VALVE BODY RUPTURE; AND (2) TO EVALUATE THE LICENSEE'S PERFORMANCE WITH RESPECT TO COMPONENT FAILURE ANALYSIS, ENGINEERING EVALUATION AND CORRECTIVE ACTIONS TAKEN TO PRECLUDE RECURRENCE OF THIS EVENT. THIS WORK EFFORT INVOLVED 67 INSPECTOR-HOURS ON SITE. THE INSPECTION FOCUSED IN THE AREAS OF WORK OBSERVATION, TECHNICAL INTERVIEWS/ DISCUSSIONS WITH LICENSEE AND VENDOR PERSONNEL AND, REVIEW OF FAILURE ANALYSIS RESULTS, NONDESTRUCTIVE EXAMINATIONS, PROCEDURES AND QA/QC RECORDS. OF THE FOUR AREAS INSPECTED ONE VIOLATION OF NRC REQUIREMENTS WAS IDENTIFIED (FAILURE TO RETRIEVE CONSTRUCTION RADIOGRAPHS).

INSPECTION MARCH 4-26 (82-05): THIS ROUTINE INSPECTION INVOLVED 146.5 HOURS ON SITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS (LER'S) AND NONCONFORMING OPERATIONS REPORTS (NCOR'S), NONROUTINE EVENTS, REACTOR CORE PHYSICS, 10 CFR PART 21 REPORTS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACK SHIFTS. TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO ADHERE TO ADMINISTRATIVE PROCEDURE DURING PLANT OPERATION; FAILURE TO PERFORM TYPE C LEAK RATE TESTING).

INSPECTION MARCH 16-19 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL PROTECTION PROCEDURES, INSTRUMENTS AND EQUIPMENT, EXPOSURE CONTROL, INTERNAL EXPOSURE, POSTING, LABELING AND CONTROL, SURVEYS, AND RADIATION PROTECTION SUPERVISION. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; ONE ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (FAILURE TO FOLLOW PROCEDURES FOR CONTROL OF RADIOACTIVITY FOR LIMITING

INSPECTION SUMMARY

MATERIALS RELEASED TO THE ENVIRONMENT AND LIMITING PERSONNEL EXPOSURE).

INSPECTION MARCH 8-12 (82-07): INCLUDED REVIEW OF PREVIOUS ENFORCEMENT MATTERS; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; SECURITY SYSTEM POWER SUPPLY; DETECTION AIDS-VITAL AREAS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 35 INSPECTION HOURS ON SITE BY ONE NRC INSPECTOR. FOUR INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. WITHIN THE AREAS EXAMINED, THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS.

INSPECTION MARCH 28-31 (82-08): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 123 INSPECTOR-HOURS ON SITE IN THE AREAS OF A FULL SCALE RADIOLOGICAL EMERGENCY EXERCISE. 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):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 28-31, 1982 +

INSPECTION REPORT NO: 50-302/82-08 +

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NUMBER      DATE OF      DATE OF      SUBJECT
EVENT      REPORT
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82-007/    01/23/82   02/16/82   STARTING AIR PRESSURE FOR DIESEL GENERATOR LOW AND LOW ALARM DID NOT OPERATE
03L-0
82-009/    02/04/82   03/16/82   CONTAINMENT ISOLATION VALVES MUV259 AND 260 FAILED TO CLOSE
03L-0
82-011/    02/24/82   03/17/82   REACTOR COOLANT FLOW CHANNEL A OUT-OF-CALIBRATION
03L-0
82-012/    02/26/82   03/29/82   FAILURE TO HAVE TWO OPERABLE INDEPENDENT DIESEL GENERATORS AVAILABLE
03L-0
82-014/    02/26/82   03/29/82   IMPROPER OPERATION OF CLOSE TORQUE SWITCH AND AIR SUPPLY REGULATOR
03L-0
82-015/    02/04/82   04/08/82   REACTOR BUILDING PRESSURE TRANSMITTER ISOLATION VALVE VI WAS SHUT IN MODE 5
03L-0
82-016/    03/04/82   04/08/82   FAILURE TO PROPERLY COMPLETE A REVIEW ON A PLANNED MODIFICATION
03L-0
82-017/    03/07/82   04/08/82   REACTOR BUILDING PRESSURE INDICATOR FLUCTUATING
03L-0
82-018/    03/08/82   04/08/82   BOTH BORIC ACID TANKS ISOLATED
03L-0
82-019/    03/01/82   04/08/82   AIR START LINE TO NUMBER 5 CYLINDER ON EMERGENCY DIESEL GENERATOR B PARTED
03L-0
82-020/    03/05/82   04/08/82   REACTOR COOLANT SYSTEM FLOW AND AXIAL POWER IMBALANCE BISTABLE IN CHANNEL C OUT-OF-TOLERANCE
03L-0
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1. Docket: 50-346 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: BILAL SARSOOR (419) 259-5000 X251

4. Licensed Thermal Power (MWt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 874

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>32,880.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,708.0</u>	<u>17,938.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,334.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,707.4</u>	<u>16,957.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,731.6</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,641,078</u>	<u>38,762,603</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,202,294</u>	<u>12,884,545</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,124,093</u>	<u>12,021,378</u>
20. Unit Service Factor	<u>.0</u>	<u>59.3</u>	<u>51.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.3</u>	<u>56.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>44.7</u>	<u>41.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>43.1</u>	<u>40.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>29.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,625.4</u>

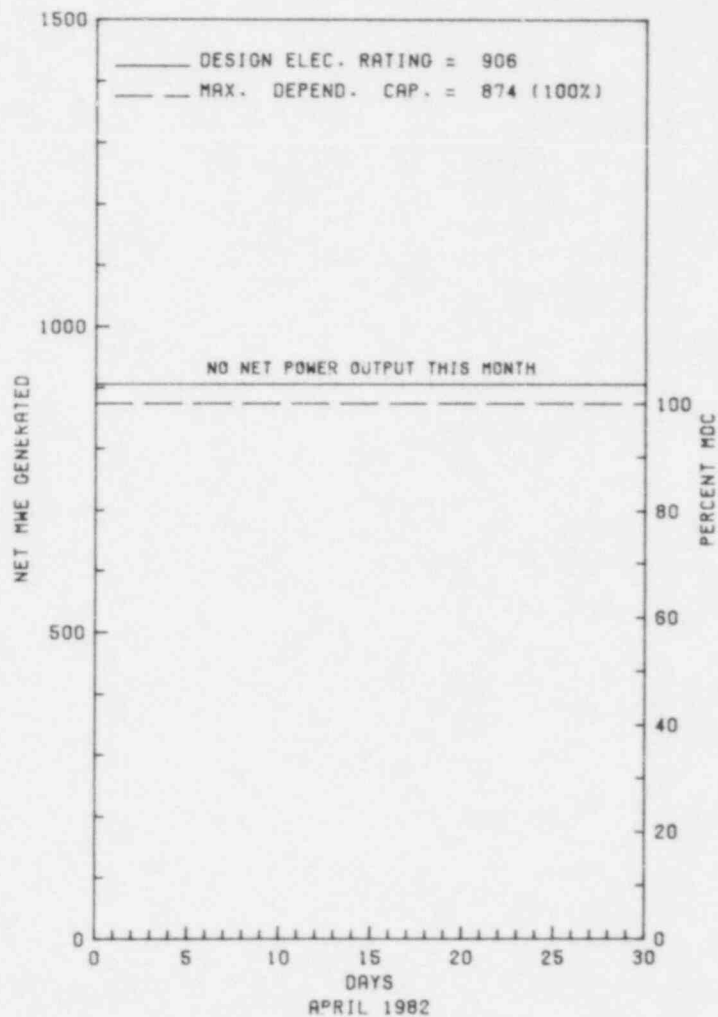
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 08/01/82

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/13/82	S	719.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 DAVIS-BESSE 1 REMAINED SHUTDOWN DURING APRIL IN AN ONGOING REFUELING/MAINTENANCE OUTAGE.

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

 * DAVIS-BESSE 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
 IE RESIDENT INSPECTOR.....L. REYES
 LICENSING PROJ MANAGER.....A. DEGAZIO
 DOCKET NUMBER.....50-346
 LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977
 PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
 MR. AL HOGAN, DOCUMENT DEPT.
 2801 WEST BANCROFT AVENUE
 TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 1 - FEBRUARY 28, (82-02): ROUTINE SAFETY INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LER FOLLOWUP; IE CIRCULAR FOLLOWUP; ORGANIZATION AND ADMINISTRATION; AND EMERGENCY DRILL CONDUCTED ON JANUARY 20, 1982. THE INSPECTION INVOLVED A TOTAL OF 323 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 101 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO CONDUCT SURVEILLANCE TESTING AS PER REQUIREMENTS OF SECTION XI OF THE ASME CODE).

INSPECTION ON JANUARY 11-15, (82-03): ROUTINE UNANNOUNCED INSPECTION TO REVIEW THE IMPLEMENTATION OF THE LICENSEE'S FIRE PROTECTION AND AND PREVENTION PROGRAMS INCLUDING REVIEW OF FIRE FIGHTING EQUIPMENT AND SYSTEMS; FIRE PROTECTION AND PREVENTION ADMINISTRATIVE CONTROLS; AND FIRE BRIGADE, GENERAL EMPLOYEE, AND CONTRACTOR FIRE PROTECTION AND PREVENTION TRAINING. THE INSPECTION INVOLVED 88 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 16 INSPECTOR-HOURS OFF-SHIFT. IN THE THREE AREAS INSPECTED, SIX APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (VIOLATION OF THE LIMITING CONDITION FOR OPERATION FOR FIRE BARRIERS; LACK OF FIRE SUPPRESSION SYSTEM IN THE CONTROL ROOM; LACK OF IMPLEMENTATION OF ADMINISTRATIVE CONTROLS OVER COMBUSTIBLE MATERIALS, IGNITION SOURCES AND FIRE BRIAGDE TRAINING; LACK OF FORMULATION OF ADEQUATE ADMINISTRATIVE CONTROLS OVER THE FIRE PROTECTION PROGRAM, FIRE PROTECTION/PREVENTION TRAINING, COMBUSTIBLE MATERIALS, IGNITION SOURCES, AND FIRE BRIGADE TRAINING; INCOMPLETE QUALITY ASSURANCE AUDITS OF THE FIRE PROTECTION PROGRAM; AND LACK OF CORRECTIVE ACTION ON IDENTIFIED DEFICIENCIES IN THE FIRE BRIGADE TRAINING PROGRAM).

INSPECTION SUMMARY

INSPECTION ON MARCH 15-17, (82-11): REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, PROGRAM, MATERIAL AND EQUIPMENT CERTIFICATIONS; NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS; IE BULLETIN NO. 20-01 ACTIVITIES AND OBSERVE NDE OF THE ELBOW TO SAFE END/NOZZLES IN THE HIGH PRESSURE INJECTION LINES. THIS INSPECTION INVOLVED A TOTAL OF 18 ONSITE INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 5 AND 7, (82-12): REVIEW OF INSERVICE INSPECTION (ISI) DATA; MATERIAL AND EQUIPMENT CERTIFICATIONS; NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS AND OBSERVED WORK ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF SIX ONSITE INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.0.5. REQUIRES INSERVICE TESTING OF ASME CODE CLASS 1, 2 AND 3 COMPONENTS BE CONDUCTED AS PER THE REQUIREMENTS OF SECTION XI OF THE ASME BOILER AND PRESSURE VESSEL CODE AND APPLICABLE ADDENDA. SECTION XI, ARTICLE IWV-3410(B)(1) OF THE ASME BOILER AND PRESSURE VESSEL CODE REQUIRES EXERCISING VALVES TO THE POSITION REQUIRED TO FULFILL THEIR FUNCTION AT LEAST AT QUARTERLY INTERVALS OR THE NEXT COLD SHUTDOWN FOR INACCESSIBLE VALVES. CONTRARY TO THE ABOVE: CHECK VALVES CV 124, CV 125, SA 502, IA 501 AND NN 58 WHICH HAD BEEN LAST TESTED AUGUST 12, 1981, WERE NOT EXERCISED DURING THE COLD SHUTDOWN ON NOVEMBER 16-30, 1981.
(8202 4)

TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION 3.7.10 REQUIRES THAT ALL PENETRATION FIRE BARRIERS PROTECTING SAFETY-RELATED AREAS BY FUNCTIONAL AT ALL TIMES. IF A PENETRATION FIRE BARRIER IS NONFUNCTIONAL, A CONTINUOUS FIRE WATCH MUST BE ESTABLISHED WITHIN ONE HOUR ON AT LEAST ONE SIDE OF THE AFFECTED BARRIER. CONTRARY TO THE ABOVE, ON JANUARY 14 AND 15, 1982, FIRE DOOR NOS. 312, 319A, AND 400 WERE OBSERVED IN A NONFUNCTIONAL CONDITION DUE EITHER TO OBSTRUCTION OR INOPERABLE CLOSURE MECHANISM. ALTHOUGH THESE FIRE DOORS PROTECT AREAS CONTAINING CABINING AND/OR EQUIPMENT NECESSARY FOR SAFE SHUTDOWN OF THE PLANT, NO CONTINUOUS FIRE WATCH WAS ESTABLISHED ON EITHER SIDE OF THE AFFECTED FIRE BARRIER. TECHNICAL SPECIFICATION 6.8.1.F REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE FIRE PROTECTION PROGRAM. (A) ADMINISTRATIVE PROCEDURE AD 1810.01, CONTROL OF COMBUSTIBLES, REQUIRES THAT STORAGE OF COMBUSTIBLE GASES, LUBRICANTS, SOLVENTS, FUELS, AND PAINTS SHALL BE PROHIBITED IN SAFETY-RELATED AREAS. ALSO, THIS PROCEDURE REQUIRES THAT ALL WOOD USED IN SAFETY-RELATED AREAS SHALL BE TREATED WITH A FLAME RETARDANT AND THAT COMBUSTION WASTE, SCRAP, DEBRIS AND OIL RESULTING FROM A WORK ACTIVITY SHALL BE REMOVED FROM THE PLANT FOLLOWING THE COMPLETION OF THE WORK ACTIVITY OR THE END OF THE SHIFT, WHICHEVER IS SOONER. CONTRARY TO THE ABOVE, ON JANUARY 13 AND 14, 1982, BETWEEN THE HOURS OF 1600 AND 2000, THE INSPECTORS OBSERVED THE FOLLOWING VIOLATIONS OF THESE REQUIREMENTS: (1) ACCUMULATIONS OF COMBUSTIBLE MATERIALS INCLUDING UNTREATED WOOD, RAGS, TRASH, CARDBOARD AND PAPER IN THE FOLLOWING SELECTED AREAS: NO. 2 DIESEL GENERATOR ROOM AND DAY TANK ROOM; NO. 1 DIESEL GENERATOR ROOM; NO. 1, NO. 3 AND NO. 4 PENETRATION ROOMS; "B" BATTERY ROOM AND LOW VOLTAGE SWITCHGEAR ROOM AUXILIARY SHUTDOWN PANEL ROOM (2) STORAGE OR ACCUMULATIONS OF FLAMMABLE LIQUIDS AND/OR GASES IN THE FOLLOWING SELECTED AREAS: NO. 1 DIESEL GENERATOR ROOM; NO. 4 MECHANICAL PENETRATION ROOM; DIESEL GENERATOR CORRIDOR (B) ADMINISTRATIVE PROCEDURE AD 1844.00, MAINTENANCE, REQUIRES THAT A FIRE WATCH CONTINUOUSLY MONITOR AN AREA FOR A MINIMUM OF THIRTY MINUTES FOLLOWING OPEN FLAME, CUTTING GRINDING OR WELDING WORK. CONTRARY TO THE ABOVE, ON JANUARY 15, 1982, DURING THE LUNCH BREAK, THE INSPECTORS OBSERVED THAT NO FIRE WATCH WAS POSTED IN THE NO. 2 DIESEL GENERATOR DAY TANK ROOM WHERE WELDING OPERATIONS HAD BEEN TAKING PLACE PRIOR TO THE LUNCH BREAK. (C) ADMINISTRATIVE PROCEDURE AD 1828.20, FIRE BRIGADE TRAINING, REQUIRES THAT EACH FIRE BRIGADE TEAM PARTICIPATE IN AT LEAST ONE FIRE DRILL EACH CALENDAR QUARTER. CONTRARY TO THE ABOVE, FIRE BRIGADE DRILLS WERE NOT CONDUCTED IN THE FIRST AND THIRD QUARTERS OF 1981 FOR ANY OF THE FIRE BRIGADES.
(8203 4)

NO. 18 TO LICENSE NO. NPF-3 ISSUED JULY 26, 1979, REQUIRES THAT THE FIRE PROTECTION ADMINISTRATIVE CONTROLS BE UPGRADED TO BRING THEM INTO CONFORMANCE WITH THE NRC GUIDANCE DOCUMENTS, "NUCLEAR PLANT FIRE PROTECTION FUNCTIONAL RESPONSIBILITIES, ADMINISTRATIVE CONTROLS AND QUALITY ASSURANCE." THE IMPLEMENTATION DATE FOR THIS MODIFICATION WAS PRIOR TO STARTUP AFTER THE 1980 REFUELING OUTAGE (APPROXIMATELY NOVEMBER 1, 1980). CONTRARY TO THE ABOVE, THE FOLLOWING FIRE PROTECTION ADMINISTRATIVE CONTROLS PROCEDURES HAVE NOT BEEN UPGRADED TO BRING THEM INTO CONFORMANCE WITH THE NRC GUIDANCE DOCUMENT: AD 1810.00 - FIRE PROTECTION PROGRAM; AD 1810.01 - CONTROL OF COMBUSTIBLES; AD 1844.00 - MAINTENANCE; AD 1828.20 - FIRE BRIGADE TRAINING 10 CFR 50, APPENDIX B, CRITERION

ENFORCEMENT SUMMARY

XVIII, REQUIRES THAT A COMPREHENSIVE SYSTEM OF PLANNED AND PERIODIC AUDITS BE CARRIED OUT TO VERIFY COMPLIANCE WITH ALL ASPECTS OF THE QUALITY ASSURANCE PROGRAM. TOLEDO EDISON COMPANY NUCLEAR QUALITY ASSURANCE PROCEDURE QAP 2180, "AUDITS," STATES IN PART, "A COMPREHENSIVE SYSTEM OF PLANNED PERIODIC AUDITS TO VERIFY COMPLIANCE WITH QA PROGRAM REQUIREMENTS AND TO DETERMINE QA PROGRAM EFFECTIVENESS SHALL BE CONDUCTED... THE GOALS OF THE AUDIT SYSTEM ARE... TO PROVIDE AN OBJECTIVE ASSESSMENT OF COMPLIANCE WITH ESTABLISHED REQUIREMENTS." TOLEDO EDISON COMPANY NUCLEAR QUALITY ASSURANCE MANUAL, VOLUME I, SECTION 1.2.8, DEFINES AUDIT ACTIVITY AS "DOCUMENTED QA/QC ACTIVITIES TO DETERMINE, THROUGH INVESTIGATION, THE ADEQUACY OF, AND ADHERENCE TO... LICENSING REQUIREMENTS." CONTRARY TO THE ABOVE, THE QUALITY ASSURANCE AUDITS OF THE FIRE PROTECTION PROGRAM PERFORMED IN JUNE 19-26, 1979 (AUDIT NO. 598), APRIL 21 - MAY 30, 1980 (AUDIT NO. 666) AND MARCH 23-25, 1981 (AUDIT NO. 744), ONLY REVIEWED THE ADEQUACY OF IMPLEMENTATION OF THE EXISTING PLANT PROCEDURES. ASSESSMENTS WERE NOT MADE CONCERNING THE ADEQUACY OF THOSE PROCEDURES UTILIZING THE FIRE PROTECTION LICENSING REQUIREMENTS AS INSPECTION GUIDANCE. THIS NARROW SCOPE FOR THE QUALITY ASSURANCE AUDITS PERMITTED DEFICIENCIES IN FIRE PROTECTION PROCEDURES TO GO UNDETECTED. 10 CFR 50, APPENDIX B, CRITERION XVI, REQUIRES THAT CONDITIONS ADVERSE TO QUALITY BE PROMPTLY CORRECTED. CONTRARY TO THE ABOVE, THE FIRE FIGHTING PRACTICE TRAINING FOR THE FIRE BRIGADE WAS DOCUMENTED AS BEING DEFICIENT IN TOLEDO EDISON AUDIT NO. 729, DATED AUGUST 20-22, 1980, AND IN TOLEDO EDISON AUDIT NO. 781, DATED JULY 20-22, 1981, BUT THE NECESSARY CORRECTIVE ACTION HAD NOT BEEN TAKEN AT THE TIME OF THIS INSPECTION TO UPGRADE THE FIRE FIGHTING PRACTICE TRAINING PROGRAM TO SATISFY THE REQUIREMENTS IN PARAGRAPH 2.0 OF ATTACHMENT NO. 2 TO "NUCLEAR PLANT FIRE PROTECTION FUNCTIONAL RESPONSIBILITIES, ADMINISTRATIVE CONTROLS AND QUALITY ASSURANCE."

10 CFR 50.48 STATES, IN PART, "EACH OPERATING NUCLEAR POWER PLANT SHALL HAVE A FIRE PROTECTION PLAN THAT SATISFIES CRITERION 3 OF APPENDIX A TO THIS PART... APPENDIX R TO THIS PART ESTABLISHED FIRE PROTECTION FEATURES REQUIRED TO SATISFY CRITERION 3 OF APPENDIX A TO THIS PART..." IN AREAS OF THE PLANT WHERE THE PROTECTION OF SYSTEMS WHOSE FUNCTION IS REQUIRED FOR HOT SHUTDOWN DOES NOT SATISFY THE REQUIREMENTS OF PARAGRAPH G-2 OF SECTION III OF APPENDIX R TO 10 CFR 50, PARAGRAPH G.3 REQUIRES THAT ALTERNATIVE SHUTDOWN CAPABILITY BE PROVIDED INDEPENDENT OF THE AREA AND THAT FIRE DETECTION AND FIXED FIRE SUPPRESSION SYSTEMS BE INSTALLED IN THE AREA. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT PROVIDE A FIXED FIRE SUPPRESSION SYSTEM IN THE CONTROL ROOM WHICH IS AN AREA THAT DOES NOT SATISFY THE HOT SHUTDOWN PROTECTION REQUIREMENTS OF 10 CFR 50, APPENDIX R, SECTION III.G.2, NOR DID THE LICENSEE SUBMIT A REQUEST FOR EXEMPTION FROM THIS REQUIREMENT AS PERMITTED IN 10 CFR 50.48(C)(6).
(8203 5)

10 CFR 50.59(A)(1) STATES IN PART THAT, "THE HOLDER OF A LICENSE AUTHORIZING OPERATION OF A PRODUCTION OR UTILIZATION FACILITY MAY (II) MAKE CHANGES IN THE PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, WITHOUT PRIOR COMMISSION APPROVAL, UNLESS THE PROPOSED CHANGE INVOLVES A CHANGE IN THE TECHNICAL SPECIFICATIONS INCORPORATED IN THE LICENSE OR AN UNREVIEWED SAFETY QUESTION. 10 CFR 50.59(B) STATES IN PART THAT, "THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN PROCEDURES MADE PURSUANT TO THIS SECTION, TO THE EXTENT THAT SUCH CHANGES CONSTITUTE CHANGES IN PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT. THESE RECORDS SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT CONDUCT A SAFETY EVALUATION TO DETERMINE WHETHER OPERATION AT RATED CONDITIONS WITH A BWST TEMPERATURE IN EXCESS OF 90 DEGREE F TEMPERATURE ASSUMED IN THE SAFETY ANALYSIS REPORT CONSTITUTED AN UNREVIEWED SAFETY QUESTION.

(8207 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT SHUT DOWN FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: APRIL 5 AND 7, 1982

INSPECTION REPORT NO: 82-12

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-13/ 03L-0	03/02/82	03/31/82	RE 2007 IN SFAS CHANNEL 4 FAILED LOW.
82-14/ 03L-0	03/11/82	04/08/82	AN EQUIP. OP. FOUND DOOR 101A BLOCKED OPEN BY A TEMPORARY HOSE.
82-15/ 03L-0	03/12/82	04/08/82	THE CONTROL ROOM VENT. CIR. MODE HAD NOT BEEN EST. AS REQUIRED WITH AN INOPERABLE CONTROL ROOM CHLORINE DETECTOR.
82-16/ 03L-0	03/12/82	04/08/82	DOOR 108 WAS FOUND WITH BOTH DOOR CLOSURE MECHANISMS BROKEN.
82-17/ 03L-0	03/23/82	04/21/82	OPERATIONS PERSONNEL DISCOVERED THAT VALVE CS20, A LOCKED VALVE, WAS LOCKED IN THE WRONG POSITION.

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: BEN SCHROEDER (815) 942-2920

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>104,879.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,869.4</u>	<u>81,504.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,865.4</u>	<u>77,589.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,740,038</u>	<u>6,908,243</u>	<u>155,466,404</u>
18. Gross Elec Ener (MWH)	<u>562,015</u>	<u>2,253,256</u>	<u>49,736,546</u>
19. Net Elec Ener (MWH)	<u>538,870</u>	<u>2,153,304</u>	<u>47,030,194</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.5</u>	<u>74.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.5</u>	<u>74.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.1</u>	<u>96.9</u>	<u>58.1</u>
23. Unit Cap Factor (DER Net)	<u>94.4</u>	<u>94.2</u>	<u>56.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>11.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>13.6</u>	<u>2,802.3</u>

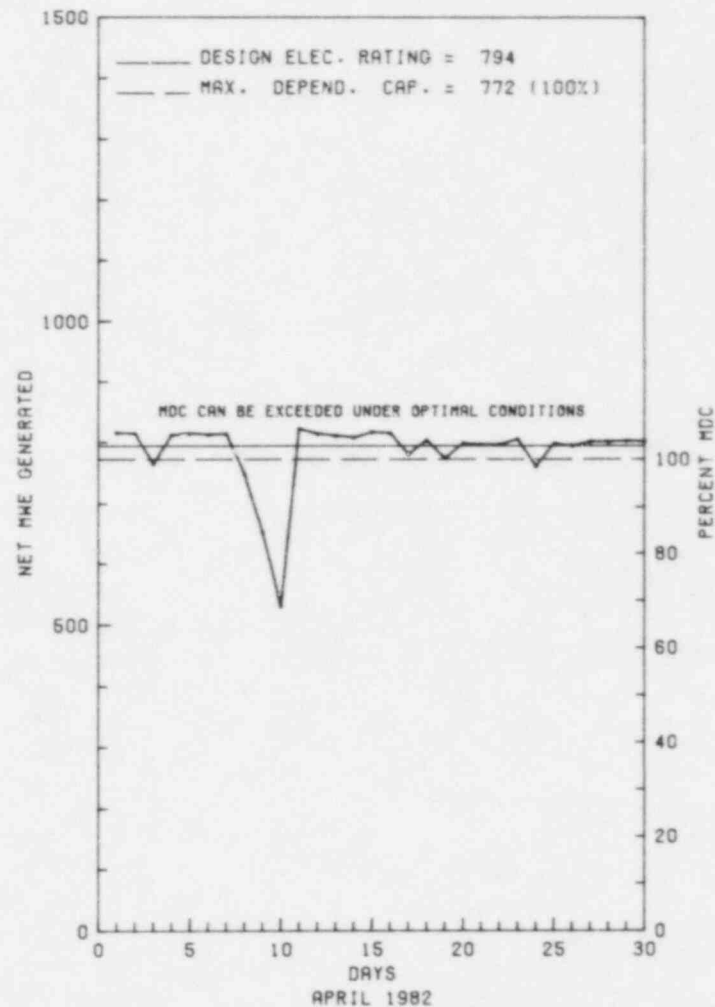
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE - 05/11/82 - 72/96 HOURS

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

* D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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NONE

 * SUMMARY *

 DRESDEN 2 OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING APRIL.

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

* DRESDEN 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....GRUNDY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 7, 1970
DATE ELEC ENER 1ST GENER...APRIL 13, 1970
DATE COMMERCIAL OPERATE...JUNE 9, 1970
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER....P. O CONNOR
DUCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60451

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 25-29, (82-04): SPECIAL ANNOUNCED PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED FIVE INSPECTOR-HOURS ON SITE AND FIVE HOURS OFF SHIFT AND OFFSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 18 THROUGH MARCH 2, (82-05): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING REFUELING OF UNIT 3, INCLUDING MANAGEMENT, TRAINING, ALARA PROCEDURES, EXPOSURE CONTROLS, AND POSTING AND CONTROLS; STATUS OF POST-TMI REQUIREMENTS FOR UNIT 2; LICENSEE EVENT REPORTS; AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 81 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE FOUND.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT 100 PERCENT POWER.

LAST IE SITE INSPECTION DATE: FEBRUARY 18 THROUGH MARCH 2, 1982

INSPECTION REPORT NO: 82-05

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-08/ 03L-0	03/17/82	04/13/82	REFUELING FLOOR CHANNEL A HI RAD. MONITOR BECAME INOPERABLE BECAUSE OF A BROKEN WIRE.
82-09/ 03L-0	03/17/82	04/13/82	HI RAD. SURV. 'B' SBGTS FAILED WHEN AUTO INITIATION SIGNAL WAS GIVEN.

1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: BEN SCHROEDER (815) 942-2920

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>94,464.0</u>
13. Hours Reactor Critical	<u>1.3</u>	<u>42.8</u>	<u>70,692.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>37.5</u>	<u>67,931.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>47,824</u>	<u>133,639.814</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>14,589</u>	<u>43,477.695</u>
19. Net Elec Ener (MWH)	<u>-3,156</u>	<u>-54</u>	<u>41,194.707</u>
20. Unit Service Factor	<u>.0</u>	<u>1.3</u>	<u>71.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>1.3</u>	<u>71.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>54.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,001.8</u>

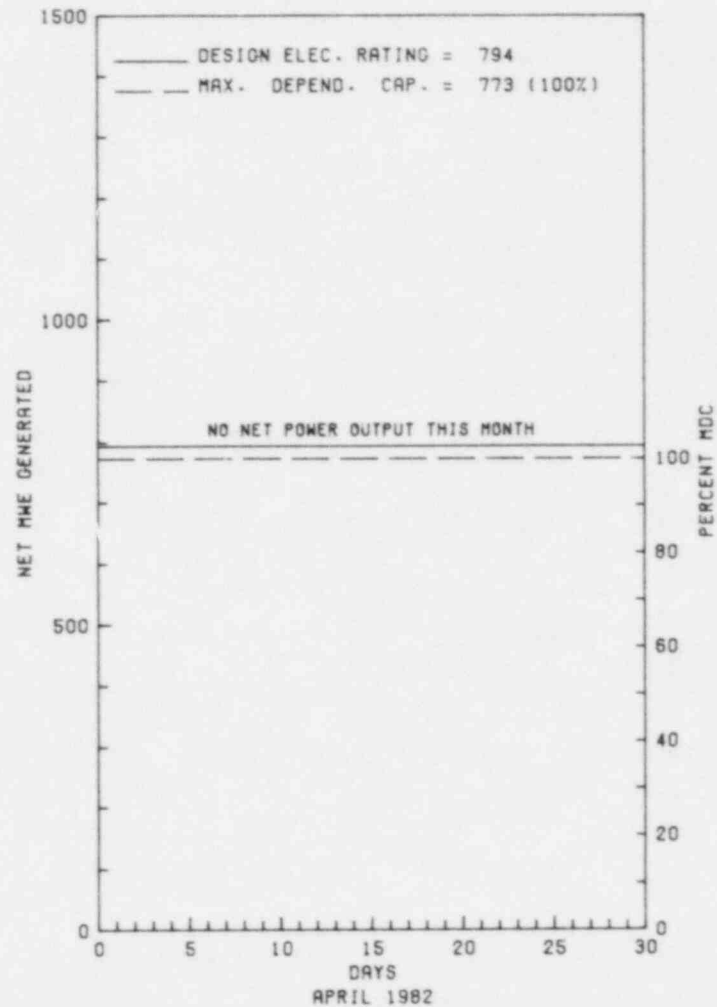
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/02/82	S	719.0	C	4		RC FUELXX	REFUELING AND TURBINE OVERHAUL OUTAGE, UNIT WENT CRITICAL AT 22:42 HOURS ON APRIL 30, 1982.

 * SUMMARY *

 DRESDEN 3 REMAINED SHUTDOWN IN A CONTINUING REFUELING AND MAINTENANCE OUTAGE.

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

* DRESDEN 3 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER.....J. HEGNER
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60451

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 25-29, (82-04): SPECIAL ANNOUNCED PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED FIVE INSPECTOR-HOURS ON SITE AND FIVE HOURS OFF SHIFT AND OFFSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 18 THROUGH MARCH 2, (82-05): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING REFUELING OF UNIT 3, INCLUDING MANAGEMENT, TRAINING, ALARA PROCEDURES, EXPOSURE CONTROLS, AND POSTING AND CONTROLS; STATUS OF POST-TMI REQUIREMENTS FOR UNIT 2; LICENSEE EVENT REPORTS; AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 31 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE FOUND.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

DOWN FOR REFUELING. IN HOT STANDBY READY FOR STARTUP.

LAST IE SITE INSPECTION DATE: FEBRUARY 18 THROUGH MARCH 2, 1982

INSPECTION REPORT NO: 82-05

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-14/ 03L-0	03/17/82	03/30/82	THERE WAS A .25 INCH THROUGH-WALL CRACK IN THE .50 INCH HEAD SEAL DETECTION PIPING.
82-15/ 03L-0	03/23/82	04/20/82	ONE OF THE TIME DELAY RELAYS DID NOT TRIP WITHIN Y.S. LIMIT.
82-16/ 03L-0	03/29/82	04/23/82	OPERATION OF MECHANICAL SNUBBER NO. 23 ON RWCU SYSTEM WAS FOUND QUESTIONABLE.

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1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: SIDNEY BROWN (319) 851-5611

4. Licensed Thermal Power (MWt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

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

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

11. Reasons for Restrictions, If Any:
NONE

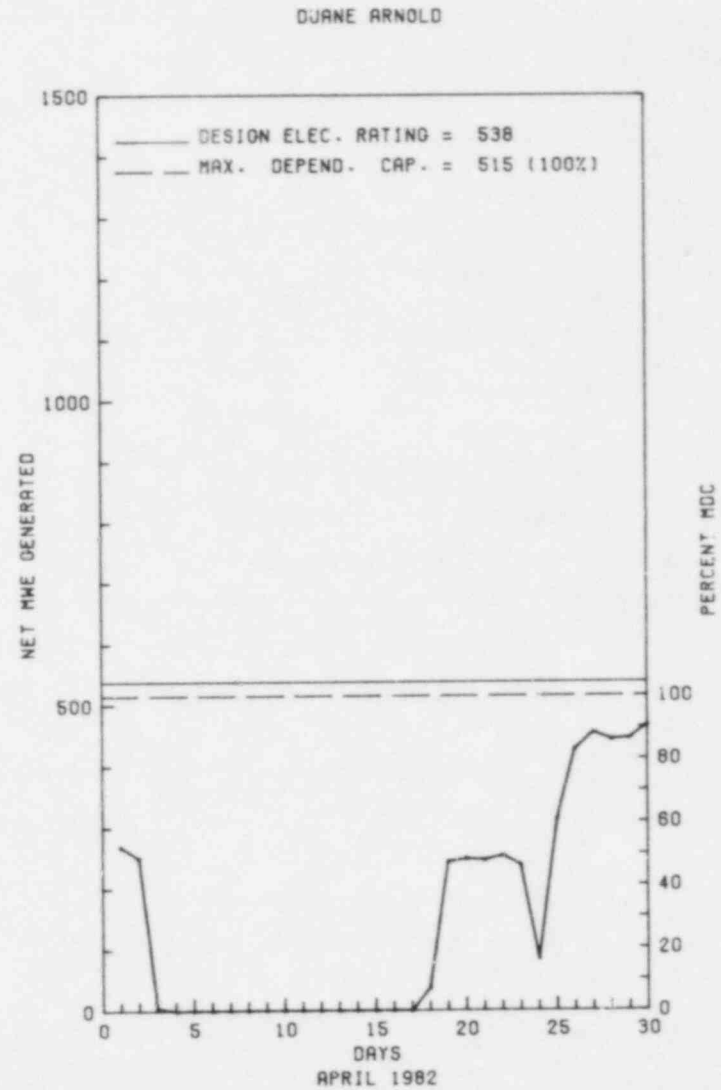
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>63,503.0</u>
13. Hours Reactor Critical	<u>359.9</u>	<u>2,519.9</u>	<u>45,998.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>336.4</u>	<u>2,496.4</u>	<u>44,885.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>338,009</u>	<u>3,442,035</u>	<u>56,495,433</u>
18. Gross Elec Ener (MWH)	<u>113,608</u>	<u>1,163,591</u>	<u>18,938,631</u>
19. Net Elec Ener (MWH)	<u>106,834</u>	<u>1,097,251</u>	<u>17,728,836</u>
20. Unit Service Factor	<u>46.8</u>	<u>86.7</u>	<u>70.7</u>
21. Unit Avail Factor	<u>46.8</u>	<u>86.7</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>28.9</u>	<u>74.0</u>	<u>54.2</u>
23. Unit Cap Factor (DER Net)	<u>27.6</u>	<u>70.8</u>	<u>51.9</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>.6</u>	<u>16.4</u>
25. Forced Outage Hours	<u>14.0</u>	<u>14.0</u>	<u>8,733.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, SEPTEMBER 7, 1982, 8 WEEKS

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

 * DUANE ARNOLD *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
5	04/01/82	S	368.6	B	1			SHUTDOWN OF THE REACTOR FOR THE APRIL MAINTENANCE OUTAGE.
6	04/23/82	F	14.0	A	3			LOOSE CONNECTION IN THE METERING CIRCUIT OF THE AUXILIARY TRANSFORMER. BLOCK REPLACED AND RECONNECTED.

* SUMMARY *

DUANE ARNOLD OPERATED WITH 2 OUTAGES DURING APRIL DUE TO MAINTENANCE & EQUIPMENT FAILURE.

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

* DUANE ARNOLD *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA

COUNTY.....LINN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NW OF
CEDAR RAPIDS, IA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 23, 1974

DATE ELEC ENER 1ST GENER...MAY 19, 1974

DATE COMMERCIAL OPERATE...FEBRUARY 1, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CEDAR RAPIDS RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....IOWA ELECTRIC POWER & LIGHT

CORPORATE ADDRESS.....I E TOWERS, P.O. BOX 351
CEDAR RAPIDS, IOWA 52406

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. CHRISTIANSON

LICENSING PROJ MANAGER.....F. APICELLA
DOCKET NUMBER.....50-331

LICENSE & DATE ISSUANCE...DPR-49, FEBRUARY 22, 1974

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428 THIRD AVENUE, S.E.
CEDAR RAPIDS, IOWA 52401

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

INSPECTION SUMMARY

NO INSPECTIONS THIS PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DENNIS HERRIN (205) 899-5156

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 845

8. Maximum Dependable Capacity (Net MWe): 804

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	719.0	2,879.0	38,687.0
13. Hours Reactor Critical	708.8	1,378.1	22,359.9
14. Rx Reserve Shtdwn Hrs	10.2	36.6	3,528.6
15. Hrs Generator On-Line	621.5	1,189.0	21,518.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,523,773	2,777,811	53,722,720
18. Gross Elec Ener (MWH)	479,394	874,102	17,010,054
19. Net Elec Ener (MWH)	450,030	799,374	16,023,098
20. Unit Service Factor	86.4	41.3	55.6
21. Unit Avail Factor	86.4	41.3	55.6
22. Unit Cap Factor (MDC Net)	77.8	31.5	51.5*
23. Unit Cap Factor (DER Net)	75.5	33.5	50.0
24. Unit Forced Outage Rate	13.6	58.3	21.7
25. Forced Outage Hours	97.5	1,663.6	5,945.6

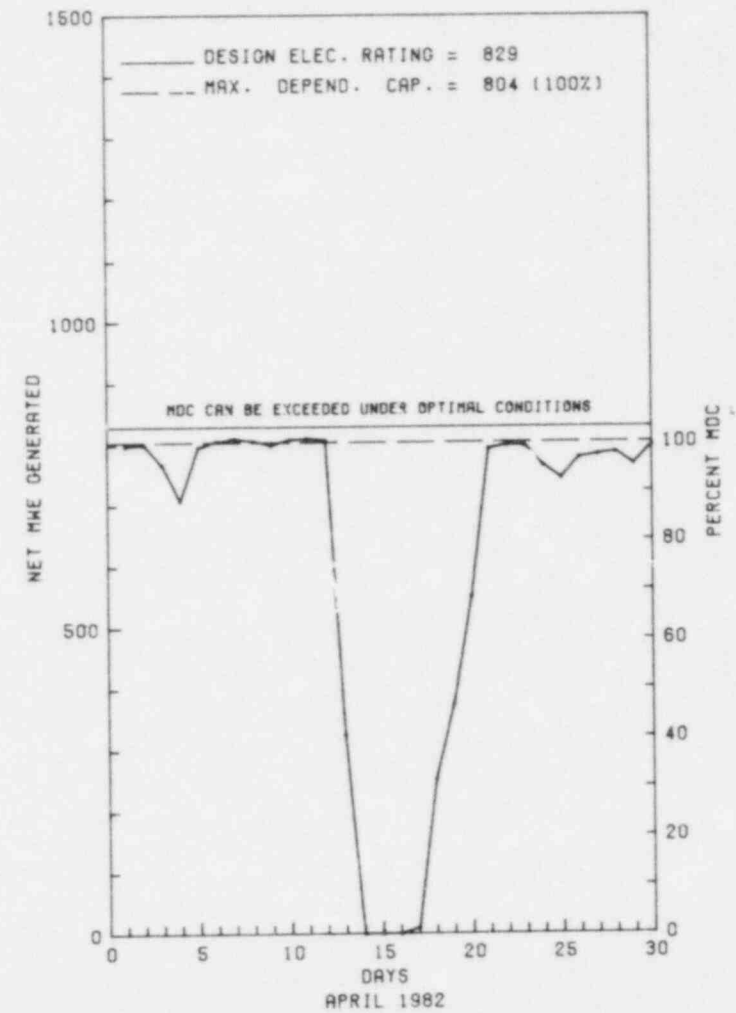
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): NONE

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

 * FARLEY 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



* Item calculated with a Weighted Average

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
003	04/13/82	F	87.8	G	3		ED	ZZZZZ	REACTOR TRIP. LOSP "B" TRAIN DUE TO INADVERTENT ACTUATION OF RELAYS AT THE SWITCHHOUSE DURING ROUTINE TESTING
004	04/17/82	F	9.7	G	3		CH	PUMPXX	REACTOR TRIP - TURBINE TRIP. INADVERTENT TRIP OF THE "A" FEED PUMP WHILE MAINTENANCE PERSONNEL WORKING IN THE AREA.

***** FARLEY 1 OPERATED WITH 2 OUTAGES DURING APRIL DUE TO OPERATOR ERROR.
 * SUMMARY *

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

* FARLEY 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 9, 1977

DATE ELEC ENER 1ST GENER...AUGUST 18, 1977

DATE COMMERCIAL OPERATE... DECEMBER 1, 1977

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-348

LICENSE & DATE ISSUANCE...NPF-2, JUNE 25, 1977

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DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26 - JANUARY 4 AND MANAGEMENT MEETING JANUARY 26 (81-31): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREA OF CONTROL OF VALVE LINEUPS AND TWENTY HOURS DURING THE MANAGEMENT MEETING ON JANUARY 26, 1982. OF THE ONE AREA INSPECTED, ONE VIOLATION WAS FOUND (INADEQUATE PROCEDURE).

INSPECTION MARCH 16 - APRIL 15 (82-10): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, REVIEW OF ROUTINE EVENTS, FOLLOWUP OF PLANT INCIDENTS AND IE BULLETIN FOLLOWUP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR50, APPENDIX B, CRITERION V AND IMPLEMENTED BY PARA. 17.1.5 OF THE FSAR, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. CONTRARY TO THE ABOVE, ON 12/15-18/P1 THE LICENSEE DISCOVERED THAT UNIT 1 CONTAINMENT SPRAY HEADER NOZZLES WERE NOT INSTALLED IN ACCORDANCE WITH DESIGN DRAWINGS IN THAT TYPE "R" NOZZLES ON HEADERS 5A&5B AND TYPE "T" NOZZLES ON HEADERS 4A & 4B WERE FOUND POINTING TOWARD THE CONTAINMENT CENTER LINE INSTEAD OF THE CONTAINMENT WALL; TYPES "B" & "D" NOZZLES ON HEADERS 1-A & 1-B WERE INCORRECTLY MOUNTED ON THE INBOARD SIDE OF THE HEADER RATHER THAN THE OUTBOARD; AND 2 NOZZLES, A TYPE "R" ON HEADER 5-B & A VERTICLE TYPE "F" NOZZLE ON HEADER 2-B WERE NOT INSTALLED DUE TO AN APPARENT HANGER INTERFERENCE.

ENFORCEMENT SUMMARY

(8203 4)

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, WHICH REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, PROCEDURE FNP-1-RCP-706 WAS NOT FULLY IMPLEMENTED IN THAT SILVER ZEOLITE CARTRIDGES WERE SUBSTITUTED FOR CHARCOAL CARTRIDGES FOR SAMPLING OF RADIOIODINE DURING THE PERIOD OF JANUARY 18, 1982 TO FEBRUARY 10, 1982.
(8204 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 16 - APRIL 15, 1982 +

INSPECTION REPORT NO: 50-348/82-10 +

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-003/ 03L-0	02/19/82	03/17/82	INNER AND OUTER CONTAINMENT DOORS WERE BOTH OPENED MOMENTARILY
82-005/ 03L-0	02/17/82	03/19/82	INOPERABILITY OF B TRAIN VENTILATION SYSTEM
82-006/ 01T-0	03/10/82	03/19/82	INADVERTENT ACTUATION OF FIRE PROTECTION DELUGE SYSTEM
82-007/ 03L-0	03/05/82	04/02/82	PRESSURIZER LEVEL INDICATOR L1-4592 INOPERABLE
82-008/ 03L-0	03/07/82	04/02/82	STEAM FLOW TRANSMITTER FT-476 INOPERABLE
82-009/ 03L-0	03/12/82	04/02/82	PRESSURIZER PRESSURE TRANSMITTER PT-455 INOPERABLE
82-010/ 03L-0	03/04/82	04/02/82	PACKING LEAK FROM FLOW CONTROL FCV122 ON REACTOR COOLING SYSTEM
82-011/ 03L-0	03/05/82	04/02/82	CONTAINMENT AIR LOCK DECLARED INOPERABLE
82-013/ 03L-0	03/17/82	04/16/82	CONTAINMENT ATMOSPHERE ACTIVITY MONITOR R-11 AND R-12 INOPERABLE

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1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DENNIS HERRIN (205) 899-5156

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 855

8. Maximum Dependable Capacity (Net MWe): 814

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>6,600.0</u>
13. Hours Reactor Critical	<u>714.9</u>	<u>2,176.8</u>	<u>5,857.0</u>
14. Rx Reserve Shtdwn Hrs	<u>4.1</u>	<u>67.0</u>	<u>107.8</u>
15. Hrs Generator On-Line	<u>712.6</u>	<u>2,096.3</u>	<u>5,762.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,855,620</u>	<u>5,114,795</u>	<u>14,580,953</u>
18. Gross Elec Ener (MWH)	<u>600,302</u>	<u>1,643,738</u>	<u>4,715,116</u>
19. Net Elec Ener (MWH)	<u>571,186</u>	<u>1,546,804</u>	<u>4,467,524</u>
20. Unit Service Factor	<u>99.1</u>	<u>72.8</u>	<u>87.3</u>
21. Unit Avail Factor	<u>99.1</u>	<u>72.8</u>	<u>87.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>66.0</u>	<u>83.2</u>
23. Unit Cap Factor (DER Net)	<u>95.8</u>	<u>64.8</u>	<u>81.7</u>
24. Unit Forced Outage Rate	<u>.9</u>	<u>27.2</u>	<u>12.7</u>
25. Forced Outage Hours	<u>6.4</u>	<u>782.7</u>	<u>837.2</u>

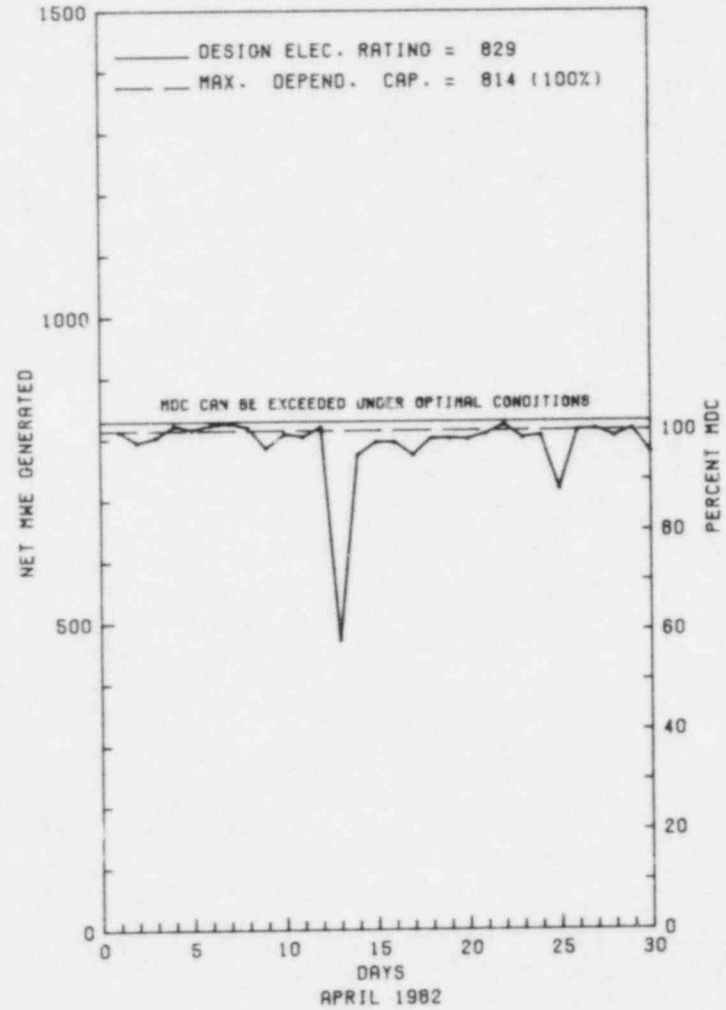
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

 * FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
007	04/13/82	F	6.4	G	3		ED	ZZZZZZ	REACTOR TRIP. LOSP "B" TRAIN DUE TO INADVERTENT ACTUATION OF RELAYS AT THE SWITCHHOUSE DURING ROUTINE TESTING.

* SUMMARY *

FARLEY 2 OPERATED ROUTINELY DURING APRIL WITH 1 OUTAGE CAUSED BY OPERATOR ERROR.

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

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 5, 1981

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

DATE COMMERCIAL OPERATE...JULY 30, 1981

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

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

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

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DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26 - JANUARY 4 AND MANAGEMENT MEETING JANUARY 26 (81-34): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREA OF CONTROL OF VALVE LINEUPS AND TWENTY HOURS DURING THE MANAGEMENT MEETING ON JANUARY 26, 1982. OF THE ONE AREA INSPECTED, ONE VIOLATION WAS FOUND (INADEQUATE PROCEDURE).

INSPECTION MARCH 16 - APRIL 15 (82-09): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, REVIEW OF ROUTINE EVENTS, FOLLOWUP OF PLANT INCIDENTS AND IE BULLETIN FOLLOWUP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, WHICH REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, PROCEDURE FNP-1-RCP-706 WAS NOT FULLY IMPLEMENTED IN THAT SILVER ZEOLITE CARTRIDGES WERE SUBSTITUTED FOR CHARCOAL CARTRIDGES FOR SAMPLING OF RADIOIODINE DURING THE PERIOD OF JANUARY 18, 1982 TO FEBRUARY 10, 1982.
(8203 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 16 - APRIL 15, 1982 +

INSPECTION REPORT NO: 50-364/82-09 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L-0	02/26/82	03/25/82	4160 VOLT B TRAIN ELECTRICAL CIRCUIT INOPERABLE
82-008/ 03L-0	02/26/82	03/25/82	STEAM GENERATOR B LEVEL INDICATOR INOPERABLE
82-009/ 03L-0	02/28/82	03/25/82	STEAM GENERATOR A FLOW TRANSMITTER INOPERABLE
82-010/ 03L-0	02/26/82	03/25/82	STEAM GENERATOR A LEVEL INDICATOR INOPERABLE

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: E. Zufelt (315) 342-3840

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>59,256.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>1,306.3</u>	<u>40,857.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>1,220.5</u>	<u>39,664.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,711,104</u>	<u>2,592,696</u>	<u>80,994,010</u>
18. Gross Elec Ener (MWH)	<u>590,460</u>	<u>887,240</u>	<u>27,647,850</u>
19. Net Elec Ener (MWH)	<u>572,355</u>	<u>859,465</u>	<u>26,764,195</u>
20. Unit Service Factor	<u>100.0</u>	<u>42.4</u>	<u>66.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>42.4</u>	<u>66.9</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>36.9</u>	<u>60.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>36.4</u>	<u>55.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.1</u>	<u>16.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.6</u>	<u>8,017.9</u>

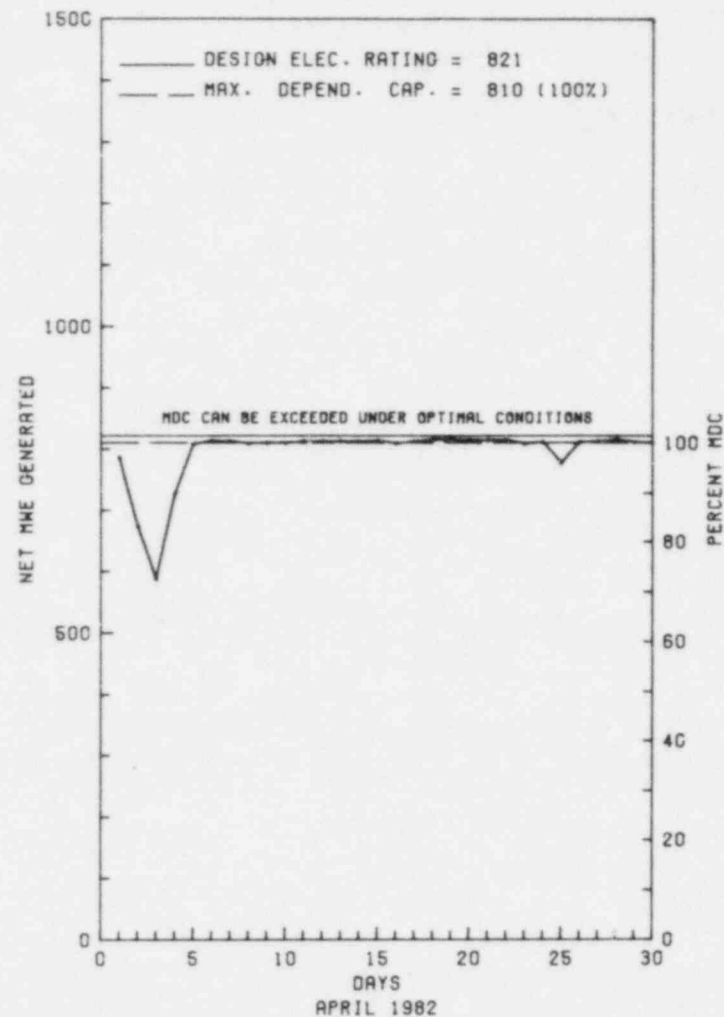
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



* Item calculated with a Weighted Average

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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NONE

 * SUMMARY *

 FITZPATRICK OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING APRIL.

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

* FITZPATRICK *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...NOVEMBER 17, 1974

DATE ELEC ENER 1ST GENER...FEBRUARY 1, 1975

DATE COMMERCIAL OPERATE...JULY 28, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ONTARIO

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. LINVILLE

LICENSING PROJ MANAGER....P. POLK
DOCKET NUMBER.....50-333

LICENSE & DATE ISSUANCE...DPR-59, OCTOBER 17, 1974

PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
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OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

- + 50-333/82-03 - FEB 16-25: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL INCLUDED: ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM; EMERGENCY ORGANIZATION; EMERGENCY TRAINING; EMERGENCY FACILITIES AND EQUIPMENT; PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN; COORDINATION WITH OFFSITE AGENCIES; AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM OF INDIVIDUALS FROM REGION I, NRC HEADQUARTERS AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.
- + 50-333/82-05 - MAR 1-4: ROUTINE UNANNOUNCED INSPECTION BY ONE REGION-BASED INSPECTOR (28 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSED OPERATOR REQUALIFICATION TRAINING; GENERAL EMPLOYEE TRAINING; AND CRAFT TRAINING. ONE VIOLATION WAS IDENTIFIED: FAILURE TO COMPLETE QA/QC TRAINING AND ANNUAL GENERAL EMPLOYEE TRAINING REQUALIFICATION.
- + 50-333/82-06 - MAR 1-31: ROUTINE AND REACTIVE INSPECTION DURING DAY AND BACKSHIFT HOURS BY TWO RESIDENT INSPECTORS (179 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORT REVIEW; OPERATIONAL SAFETY VERIFICATION; SURVEILLANCE OBSERVATIONS; MAINTENANCE OBSERVATIONS; REVIEW OF PLANT OPERATIONS AND FOLLOWUP ON PLANT TRIP. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO ASSURE VALVES PROPERLY ALIGNED PRIOR TO STARTUP; HEATUP RATE LIMIT EXCEEDED DURING STARTUP; FAILURE TO CONTINUOUSLY MONITOR PRIMARY CONTAINMENT OXYGEN CONCENTRATION.
- + 50-333/82-07 - MAR 18-19: A ROUTINE UNANNOUNCED INSPECTION BY ONE REGION-BASED INSPECTOR (24 HRS) OF THE LICENSEE'S QA PROGRAM FOR CHANGES AND IMPLEMENTATION, AND TO ASCERTAIN IF KEY PERSONNEL WERE COGNIZANT OF THE PROGRAM AND CHANGES, IF ANY. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION SUMMARYENFORCEMENT SUMMARY

TS 6.4 REQUIRES TRAINING PROGRAMS UNDER DIRECTION OF TRNG COORDINATOR. IT SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ANSI N18.1-1971 SECTION 5.5. ANSI 18.1-1971, SECT 5.5 STATES THAT TRNG PROGRAMS SHALL BE ESTABLISHED WHICH MAINTAINS THE PROFICIENCY OF THE OPERATING ORGANIZATION. ITP-3 GENERAL EMPLOYEE TRAINING REQUIRES THAT (1) SEC 3.5.9 ANNUAL REQUALS IN RAD PROTECTION, SECURITY & EMERGENCY PROCEDURES. (2) SEC 3.5.8 INITIAL QA/QC TRNG FOR PERMANENT EMPLOYEES WITHIN 6 WEEKS OF HIRE. (3) SEC 7.5.7 INDUSTRIAL SAFETY TRAINING IS NORMALLY THE RESPONSIBILITY OF THE DEPARTMENT SUPERINTENDENT AT THE TIME OF HIRE. CONTRARY TO THE ABOVE, AS OF 3/4/82: (1) ANNUAL REQUAL WERE NOT PROVIDED FOR 13 EMPLOYEES DURING THE PAST 15 MONTHS. (2) INITIAL QA/QC TRNG WAS NOT PROVIDED FOR 8 EMPLOYEES WITHIN 6 WEEKS OF HIRE. (3) INDUSTRIAL SAFETY (TRNG) IS NOT BEING PERFORMED FOR ALL NEW EMPLOYEES & NO CONTROLS ARE ESTABLISHED TO ENSURE TRNG IS PERFORMED.
(8205 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ -- A AND D MAIN STEAM LINE ISOLATION VALVE (MSIV) 10 PERCENT CLOSURE LIMIT SWITCHES ARE FAILED IN THE TRIPPED POSITION. FAILURE OF EITHER OF THE MSIV 10 PERCENT CLOSURE LIMIT SWITCHES ON B OR C MSIV'S WILL RESULT IN A REACTOR SCRAM.

-- B CONTAINMENT HYDROGEN AND OXYGEN MONITOR HAS BEEN INOPERABLE SINCE THE BEGINNING OF THIS CYCLE IN MARCH 1982.

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE FACILITY OPERATED AT NEAR FULL POWER THROUGHOUT THE MONTH WITH REPRESENTATIVE OFFGAS AND STACK RELEASE RATES OF 19,250 AND 5,412 MICROCURIES PER SECOND RESPECTIVELY. THE OFFGAS RECOMBINER IS OUT OF SERVICE.

LAST IE SITE INSPECTION DATE: 4/19-23/82 +

INSPECTION REPORT NO: 50-333/82-09 +

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NUMBER      DATE OF      DATE OF      SUBJECT
EVENT      REPORT
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82-006/    03/06/82   03/30/82   SUPPRESSION POOL LEVEL BELOW LIMIT
03L
82-007/    03/06/82   04/05/82   REACTOR HEATUP RATE EXCEEDED TECHNICAL SPECIFICATION LIMIT DURING STARTUP
03L
82-008/    03/09/82   04/07/82   RESIDUAL HEAT REMOVAL PUMP DISCHARGE CHECK VALVE FAILED
03L
82-009/    03/12/82   04/08/82   HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABLE DUE TO HIGH STEAM LINE FLOW ISOLATION
03L
82-010/    03/13/82   04/12/82   CONTAINMENT OXYGEN AND HYDROGEN MONITORS WERE INOPERABLE
03L
82-011/    03/13/82   04/08/82   CONTROL ROD FAILED TO SCRAM DURING SCRAM TIME TESTING
03L
82-012/    03/16/83   04/15/82   RESIDUAL HEAT REMOVAL SYSTEM SNUBBERS FAILED
03L
82-013/    03/19/82   04/16/82   SURVEILLANCE REVEALED ROD BLOCK MONITOR A OUT OF CALIBRATION IN THE NON-CONSERVATIVE DIRECTION
03L
82-014/    03/22/82   04/16/82   REACTOR LOW PRESSURE PERMISSIVE SWITCH OUT OF CALIBRATION
03L
82-015/    03/27/82   04/20/82   CONTAINMENT OXYGEN CONCENTRATION EXCEEDED LIMIT
03L
82-016/    03/29/82   04/20/82   REACTOR CORE ISOLATION COOLING INOPERABLE DUE TO GROUND IN LOGIC CIRCUIT
03L
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1. Docket: 50-285 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: R. W. SHORT (402) 536-4543

4. Licensed Thermal Power (MWt): 1500

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

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 501

8. Maximum Dependable Capacity (Net MWe): 478

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>75,360.0</u>
13. Hours Reactor Critical	<u>706.4</u>	<u>2,812.9</u>	<u>59,051.9</u>
14. Rx Reserve Sntdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>702.8</u>	<u>2,803.8</u>	<u>57,893.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,040,418</u>	<u>4,102,104</u>	<u>70,803,933</u>
18. Gross Elec Ener (MW'1)	<u>354,008</u>	<u>1,395,160</u>	<u>23,469,106</u>
19. Net Elec Ener (MWH)	<u>337,621</u>	<u>1,330,584</u>	<u>22,178,448</u>
20. Unit Service Factor	<u>97.7</u>	<u>97.4</u>	<u>76.8</u>
21. Unit Avail Factor	<u>97.7</u>	<u>97.4</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>98.2</u>	<u>96.7</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>96.7</u>	<u>61.6</u>
24. Unit Forced Outage Rate	<u>2.3</u>	<u>2.6</u>	<u>3.9</u>
25. Forced Outage Hours	<u>16.2</u>	<u>75.2</u>	<u>1,126.6</u>

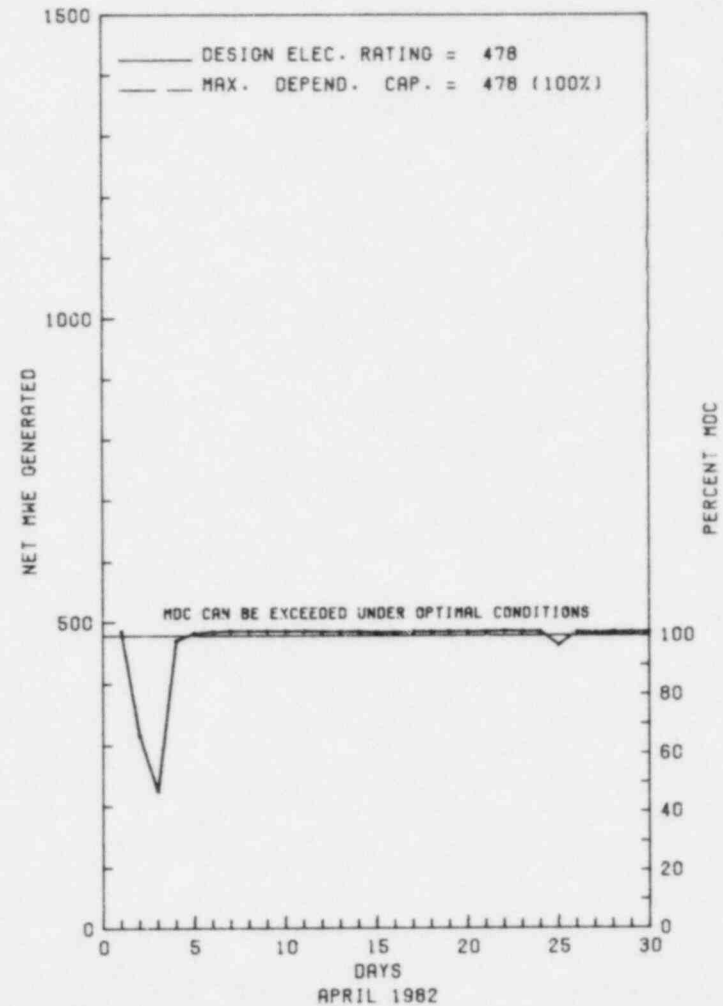
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-03	04/02/82	F	16.2	H	3		EA	ZZZZZ	GENERATOR TRIPPED DUE TO A TRANSIENT ON 345 KV POWER LINE. PROBABLE CAUSE WAS HIGH WINDS FROM STORMY WEATHER. THE DISTRICT IS CONTINUING TO INVESTIGATE THE EVENT TO DETERMINE IF ANY CORRECTIVE ACTIONS CAN PREVENT THE INCIDENT FROM RECURRING.

***** FORT CALHOUN 1 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING APRIL.
* SUMMARY *

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....OMAHA PUBLIC POWER DISTRICT
CORPORATE ADDRESS.....1523 HARNEY STREET
 OMAHA,, NEBRASKA 68102
CONTRACTOR
ARCHITECT/ENGINEER.....GIBBS, HILL, DURHAM & RICHARDSON
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....GIBBS, HILL, DURHAM & RICHARDSON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING PERIOD OF FEBRUARY 22-26, 1982 (82-04): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIOACTIVE WASTE SYSTEMS INCLUDING LIQUID AND GASEOUS EFFLUENT RELEASES; RECORDS AND REPORTS OF RADIOACTIVE EFFLUENTS; PROCEDURES FOR CONTROLLING EFFLUENT RELEASES; TESTING OF AIR CLEANING SYSTEMS; REACTOR COOLANT WATER QUALITY; TRAINING AND QUALIFICATIONS OF RADIOCHEMISTRY PERSONNEL; RADIOCHEMISTRY SAMPLING AND ANALYSES PROCEDURES; AND AUDITS PERFORMED BY THE LICENSEE. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DURING PERIOD OF MARCH 1-31, 1982 (82-05): ROUTINE, ANNOUNCED INSPECTION INCLUDING (1) LICENSEE EVENT REPORTS FOLLOW UP; (2) OPERATIONAL SAFETY VERIFICATION; (3) SURVEILLANCE TESTING; (4) MAINTENANCE; AND (5) PLANT OPERATIONS. WITHIN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APP B, CRITERION 5, THE LICENSEE FAILED TO FOLLOW THE REQUIREMENTS OF THE FCNPS TRAINING MANUAL IN THAT FIRE BRIGADE MEMBER QUALIFICATION WAS NOT CERTIFIED BY THE TRAINING DEPARTMENT AS REQUIRED IN SECTION 8.1.2.2.B AND 18 LICENSEE EMPLOYEES WHO ARE FIRE BRIGADE MEMBERS DID NOT PARTICIPATE IN A FIRE DRILL DURING 1980 OR 1981 ALTHOUGH THEY WERE HIRED PRIOR TO 1980. THIS DRILL PARTICIPATION REQUIREMENT IS FOUND IN SECTION 8.2.2.2.C OF THE TRAINING MANUAL.
(8202 4)

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR55, APP A AND THE LICENSEE'S APPROVED TRAINING PLAN, THE LICENSEE FAILED TO GIVE LECTURES IN AREAS IDENTIFIED AS WEAK ON THE ANNUAL OPERATOR QUALIFICATION EXAM AND FAILED TO GIVE FOLLOWUP WRITTEN EXAMS.
(8202 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NONE

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982

INSPECTION REPORT NO: 50-285/82-05

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-06 03L-0	03/23/82	04/07/82	HAND CONTROL VALVE-506A FAILED TO CLOSE VIA THE CONTROL ROOM SWITCH
82-07 03L-0	03/24/82	03/31/82	DIESEL GENERATOR COOLING WATER VENT LINE LEAK

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: M. MCBRIDE (303) 785-2253

4. Licensed Thermal Power (MWt): 842

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

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

10. Power Level To Which Restricted, If Any (Net MWe): 231

11. Reasons for Restrictions, If Any: _____
NRC RESTRIC OF 70% PEND RESOLUTION OF TEMP FLUCTUATIONS

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>24,840.0</u>
13. Hours Reactor Critical	<u>535.3</u>	<u>637.2</u>	<u>15,215.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>82.8</u>	<u>82.8</u>	<u>9,991.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>62,492</u>	<u>62,492</u>	<u>4,996,434</u>
18. Gross Elec Ener (MWH)	<u>5,691</u>	<u>5,691</u>	<u>1,697,047</u>
19. Net Elec Ener (MWH)	<u>160</u>	<u>-7,205</u>	<u>1,547,054</u>
20. Unit Service Factor	<u>11.5</u>	<u>2.9</u>	<u>40.2</u>
21. Unit Avail Factor	<u>11.5</u>	<u>2.9</u>	<u>40.2</u>
22. Unit Cap Factor (MDC Net)	<u>.1</u>	<u>.0</u>	<u>18.9</u>
23. Unit Cap Factor (DER Net)	<u>.1</u>	<u>.0</u>	<u>18.9</u>
24. Unit Forced Outage Rate	<u>39.1</u>	<u>39.1</u>	<u>34.1</u>
25. Forced Outage Hours	<u>53.2</u>	<u>53.2</u>	<u>5,164.1</u>

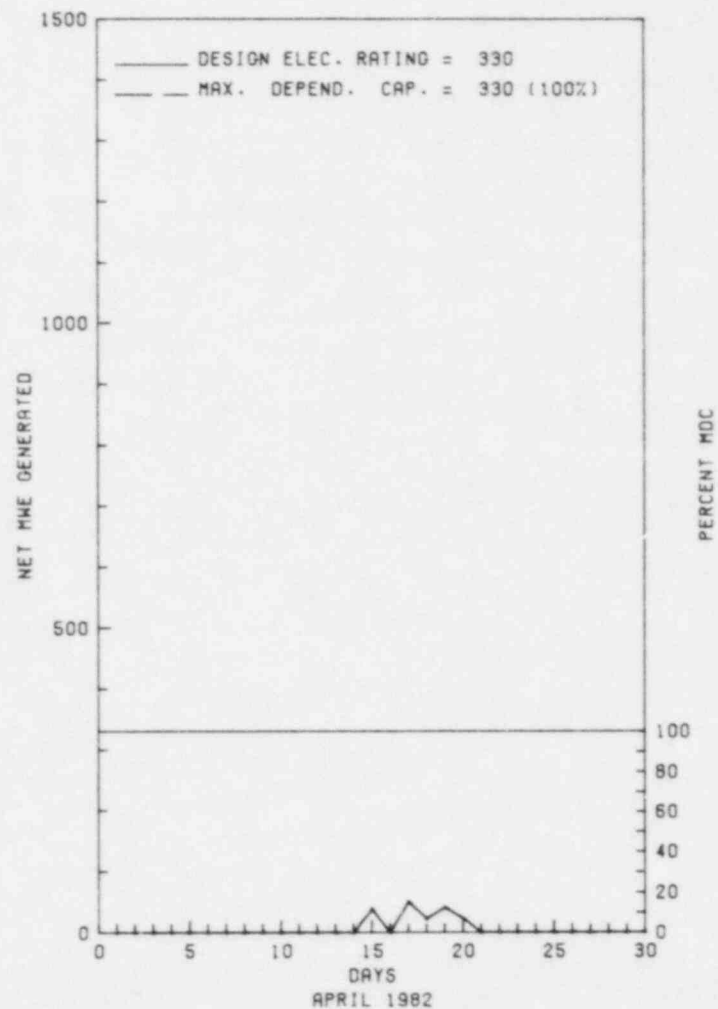
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/03/82

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81-026	04/01/82	S	331.3	B	2		CB	XXXXXX	LOOP-SPLIT MODIFICATION.
82-001	04/15/82	F	35.3	F	3		IB	INSTRU	HIGH PRESSURE SCRAM - PPS.
82-002	04/18/82	F	10.0	H	9		HB	INSTRU	TURBINE MANUALLY TRIPPED DUE TO ELECTRO-HYDRAULIC CONTROL SYSTEM UPSET DURING MAINTENANCE. REACTOR REMAINED CRITICAL.
82-003	04/18/82	F	5.0	A	9		HB	VALVEX	TURBINE MANUALLY TRIPPED FOR MAINTENANCE. REACTOR REMAINED CRITICAL.
82-004	04/19/82	F	2.9	A	9		HB	INSTRU	TURBINE TRIP DUE TO LOW HYDRAULIC CONTROL PRESSURE. REACTOR REMAINED CRITICAL.
82-005	04/20/82	S	251.7	B	2		CJ	XXXXXX	MANUAL SHUTDOWN TO CHANGE-OUT CONTROL ROD DRIVE (CRD) IN REGION 19 AS PER REQUEST OF NRC.

 * SUMMARY *

 FORT ST. VRAIN WAS SHUTDOWN FOR MOST OF APRIL DUE TO EQUIPMENT FAILURE AND MAINTENANCE.

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

* FORT ST VRAIN *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...35 MI N OF
DENVER, COL

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 11, 1976

DATE COMMERCIAL OPERATE...JULY 1, 1979

CONDENSER COOLING METHOD...CLOSED HELIUM

CONDENSER COOLING WATER...S. PLATTE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

CORPORATE ADDRESS.....P.O. BOX 840
DENVER, COLORADO 80201

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

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....M. DICKERSON

LICENSING PROJ MANAGER....G. KUZMYCZ
DOCKET NUMBER.....50-267

LICENSE & DATE ISSUANCE...DPR-34, DECEMBER 21, 1973

PUBLIC DOCUMENT ROOM.....GREELEY PUBLIC LIBRARY
CITY COMPLEX BUILDING
GREELEY, COLORADO 80631

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

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 1-31, 1982 (82-08): ROUTINE, ANNOUNCED INSPECTION OF SURVEILLANCE; MAINTENANCE; INSPECTION DURING LONG-TERM SHUTDOWN; STARTUP TESTING MODIFIED SYSTEM; TRANSPORTATION ACTIVITIES; REVIEW OF PLANT OPERATIONS; NRC BULLETIN FOLLOW UP; FOLLOW UP OF PREVIOUS INSPECTION FINDINGS; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE NINE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT OPERATING AT 28% POWER.

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982

INSPECTION REPORT NO: 50-267/82-08

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

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1. Docket: 50-244 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: A.E. MCNAMARA (315) 524-4446

4. Licensed Thermal Power (MWt): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>108,935.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>585.5</u>	<u>82,227.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,631.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>585.5</u>	<u>80,413.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>881,568</u>	<u>109,787,122</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>288,921</u>	<u>35,723,886</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>274,975</u>	<u>33,853,048</u>
20. Unit Service Factor	<u>.0</u>	<u>20.3</u>	<u>73.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>20.3</u>	<u>73.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.3</u>	<u>68.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>20.3</u>	<u>68.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>35.8</u>	<u>8.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>326.5</u>	<u>3,734.7</u>

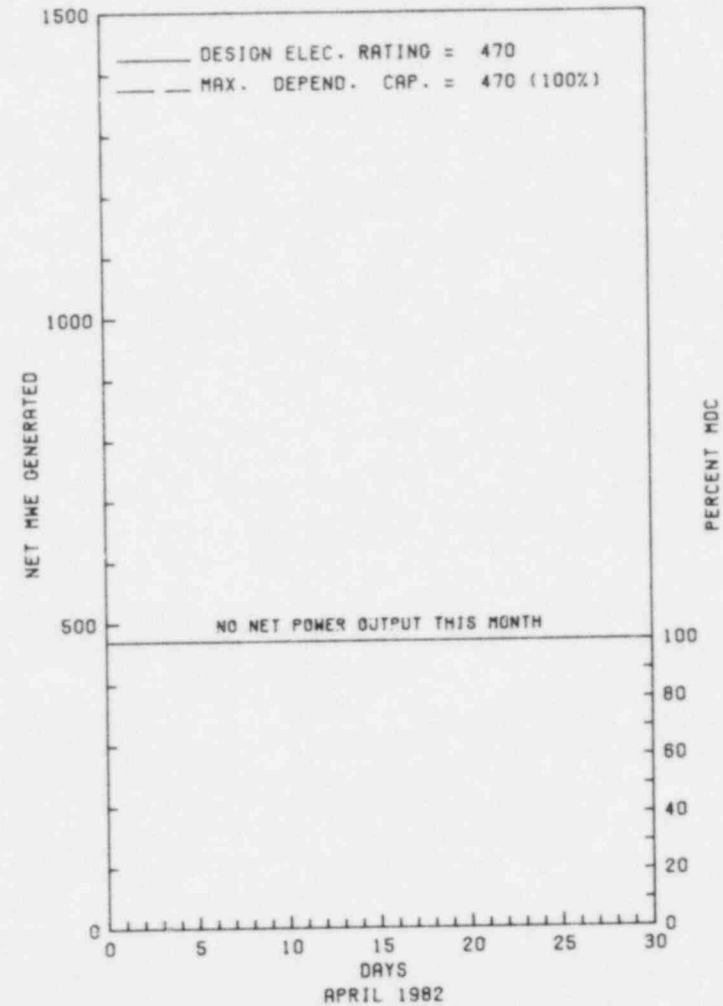
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/22/82

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



* Item calculated with a Weighted Average

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	01/25/82	S	719.0	C	4	82-003			THE UNIT REMAINED SHUTDOWN FOR THE ENTIRE PERIOD FOR REPAIRS TO THE "B" STEAM GENERATOR AND NORMAL REFUELING AND MAINTENANCE OUTAGE ACTIVITIES.

***** GINNA REMAINED SHUTDOWN IN A CONTINUING REFUELING AND MAINTENANCE REPAIR OUTAGE.
 * SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	F-Admin	2-Manual Scram	Instructions for
	B-Maint or test	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-017.1)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* GINNA *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WAYNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI NE OF
ROCHESTER, NY

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 8, 1969

DATE ELEC ENER 1ST GENER...DECEMBER 2, 1969

DATE COMMERCIAL OPERATE...JUNE 1, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ONTARIO

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC

CORPORATE ADDRESS.....89 EAST AVENUE
ROCHESTER, NEW YORK 14604

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CO 'STRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....R. ZIMMERMAN

LICENSING PROJ MANAGER.....J. LYONS
DOCKET NUMBER.....50-244

LICENSE & DATE ISSUANCE...DPR-18, SEPTEMBER 19, 1969

PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14604

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

INSPECTION SUMMARY

- + 50-244/82-04 - FEB 22-24: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (32 HRS) OF THE LICENSEE'S IMPLEMENTATION OF CORRECTIVE ACTIONS FOR RADIATION PROTECTION PROGRAM DEFICIENCIES IDENTIFIED DURING THE NRC HEALTH PHYSICS APPRAISAL. NO VIOLATIONS WERE IDENTIFIED.
- + 50-244/82-05 - MAR 15-17: ROUTINE, UNANNOUNCED ONSITE REGULAR AND BACKSHIFT INSPECTION BY ONE REGION BASED INSPECTOR (24 HRS) OF REFUELING ACTIVITIES AND OUTAGE MAINTENANCE. NO VIOLATIONS WERE IDENTIFIED.
- + 50-244/82-06 - MAR 1- APR 9: ROUTINE, ONSITE, REGULAR, BACKSHIFT, AND WEEKEND INSPECTION BY TWO RESIDENT INSPECTORS (129 HRS). AREAS INSPECTED INCLUDED PLANT OPERATING RECORDS; SURVEILLANCE TESTING; MAINTENANCE; LICENSEE EVENT REPORTS; MATERIAL ACCOUNTABILITY FOR STEAM GENERATOR MODIFICATIONS; FOLLOWUP OF OPERATIONAL EVENTS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PERIODIC AND SPECIAL REPORTS; AND ACCESSIBLE PORTIONS OF THE FACILITY DURING PLANT TOURS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DON ANDERSON (203) 267-2556 X274

4. Licensed Thermal Power (MWt): 1825

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

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 582

8. Maximum Dependable Capacity (Net MWe): 555

9. If Changes Occur Above Since Last Report, Give Reasons:
DER CHANGED FOR WINTER PERFORMANCE.

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>125,615.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,845.0</u>	<u>108,396.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,192.5</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,694.5</u>	<u>103,597.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>1,265,930</u>	<u>4,729,410</u>	<u>179,378,666</u>
18. Gross Elec Ener (MWH)	<u>421,345</u>	<u>1,572,210</u>	<u>58,945,687</u>
19. Net Elec Ener (MWH)	<u>402,096</u>	<u>1,497,239</u>	<u>56,077,691</u>
20. Unit Service Factor	<u>100.0</u>	<u>93.6</u>	<u>82.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.6</u>	<u>82.8</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>93.7</u>	<u>82.3*</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>89.4</u>	<u>76.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.4</u>	<u>6.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>184.5</u>	<u>780.7</u>

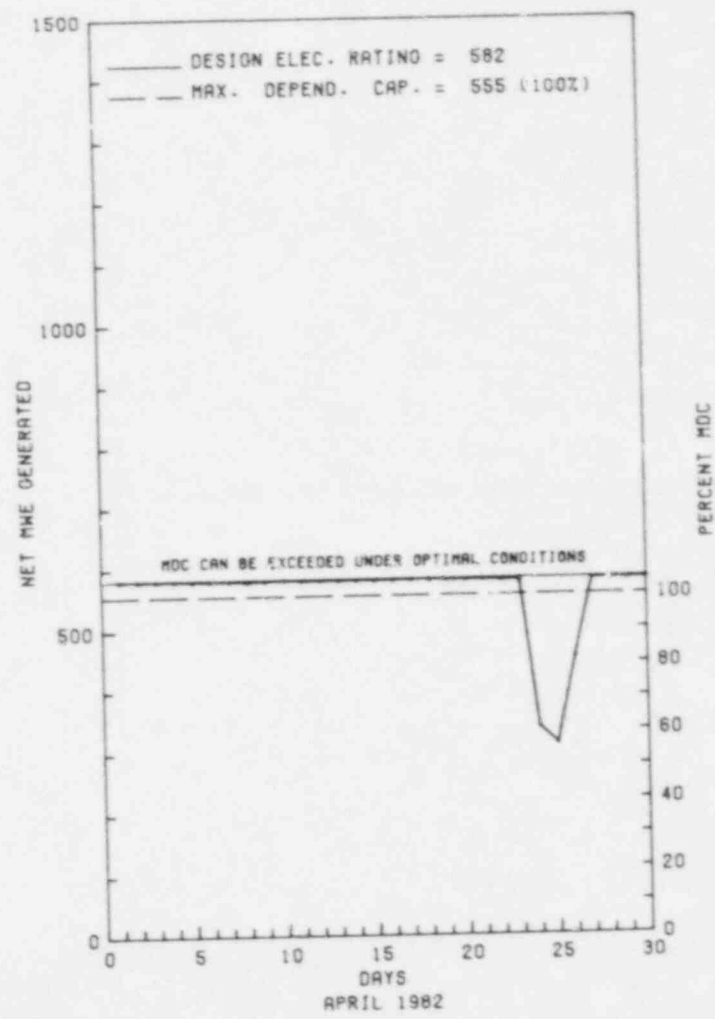
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-05	04/24/82	S	0.0	A	5		CH	PUMPXX	REDUCE POWER TO REPAIR A) VIBRATION ON 1B STEAM GENERATOR FEED PUMP; B) LEAKING STEAM GENERATOR INSPECTION HAND HOLE ON #3 S.G.; C) CHECK FOR TUBE LEAKS IN ALL FOUR WATER BOXES.

* SUMMARY *

HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER WITH 1 REDUCTION DURING APRIL.

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

* HADDAM NECK *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....MIDDLESEX

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI E OF
MERIDEN, CONN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 24, 1967

DATE ELEC ENER 1ST GENER...AUGUST 7, 1967

DATE COMMERCIAL OPERATE...JANUARY 1, 1968

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CONNECTICUT RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER

CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. REBELOWSKI

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, CONNECTICUT 06457

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

INSPECTION SUMMARY

- + 50-213/81-14 - NOV 9-20, 1981: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL INCLUDED: ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM; EMERGENCY ORGANIZATION; EMERGENCY TRAINING; EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN, COORDINATION WITH OFFSITE AGENCIES AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM OF INDIVIDUALS FROM REGION I, NRC HEADQUARTERS AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.
- + 50-213/82-03 - FEB 8-12: ROUTINE, UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (74 HRS) INCLUDED: A SITE ORIENTATION; A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT, PERSONNEL, RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL AREAS); LIGHTING; ASSESSMENT AIDS; ACCESS CONTROLS (PERSONNEL, PACKAGES, AND VEHICLES); DETECTION AIDS (PROTECTED AND VITAL AREAS); ALARM STATIONS AND COMMUNICATIONS. ONE VIOLATION WAS IDENTIFIED: REVALIDATION OF VITAL AREA ACCESS AUTHORIZATION FOR THREE INDIVIDUALS WHO NO LONGER HAD NEED FOR ACCESS.
- + 50-213/82-04 - MAR 29 - APR 1: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (28 HRS) OF THE QUALITY ASSURANCE PROGRAM (ANNUAL REVIEW) AND THE QA/QC ADMINISTRATION PROGRAM. NO VIOLATIONS WERE IDENTIFIED.
- + 50-213/82-06 - FEB 22 - MAR 28: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTOR (80 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; LOG AND RECORD REVIEW; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REVIEW OF PERIODIC AND SPECIAL REPORTS; SURVEILLANCE AND MAINTENANCE. ONE VIOLATION WAS IDENTIFIED: CABLE PENETRATION FIRE BARRIER NOT SEALED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NORMAL FULL POWER OPERATION.

LAST IE SITE INSPECTION DATE: 4/19-23/82 +

INSPECTION REPORT NO: 50-213/82-08 +

REPORTS FROM LICENSEE

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
82-003/   04/23/82   04/23/82   #1 MSIV FAILED SURVEILLANCE TEST
01P
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1. Docket: 50-321 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: STEVE BETHAY (912) 367-7781 X 2386

4. Licensed Thermal Power (MWT): 2436

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

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 757

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

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

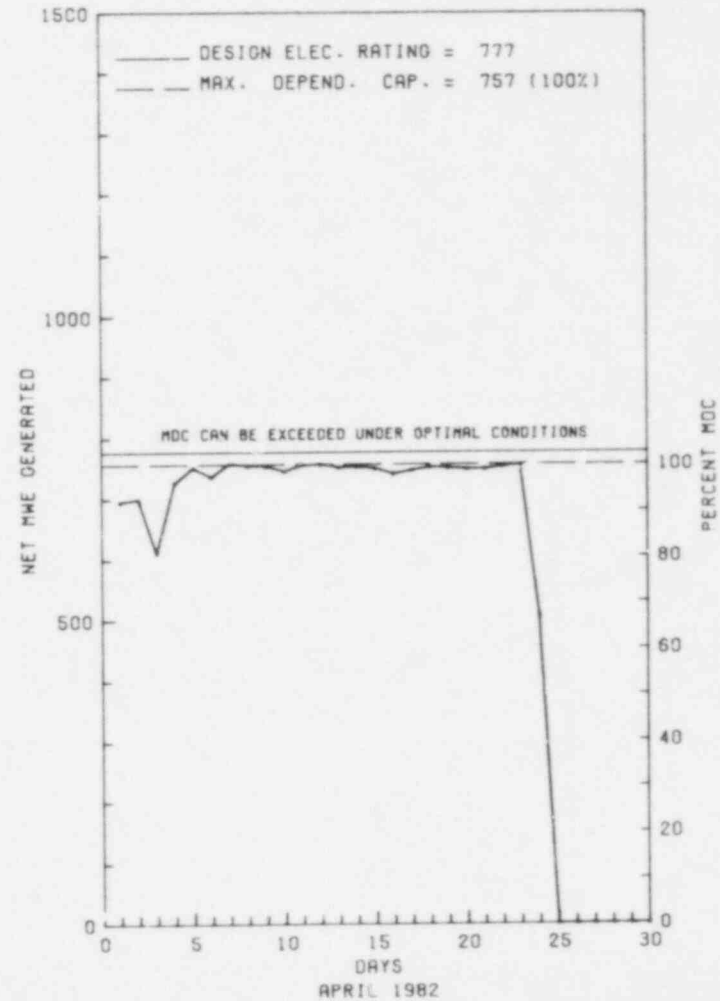
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>55,487.0</u>
13. Hours Reactor Critical	<u>571.4</u>	<u>1,881.3</u>	<u>40,272.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>571.4</u>	<u>1,788.9</u>	<u>37,623.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,339,516</u>	<u>3,992,355</u>	<u>78,769,807</u>
18. Gross Elec Ener (MWH)	<u>438,620</u>	<u>1,054,350</u>	<u>25,278,080</u>
19. Net Elec Ener (MWH)	<u>418,369</u>	<u>998,155</u>	<u>24,006,924</u>
20. Unit Service Factor	<u>79.5</u>	<u>62.1</u>	<u>67.8</u>
21. Unit Avail Factor	<u>79.5</u>	<u>62.1</u>	<u>67.8</u>
22. Unit Cap Factor (MDC Net)	<u>76.9</u>	<u>45.7</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>74.9</u>	<u>46.6</u>	<u>55.7</u>
24. Unit Forced Outage Rate	<u>20.5</u>	<u>9.1</u>	<u>15.9</u>
25. Forced Outage Hours	<u>147.6</u>	<u>179.7</u>	<u>6,893.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>05/15/82</u>			

 * HATCH 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-20	04/01/82	F	7.0	A	5		HH	HTEXCH	CONDENSER TUBE LEAK.
82-21	04/02/82	S	38.5	B	5		XX	XXXXXX	ROD PATTERN ADJUSTMENT.
82-22	04/06/82	S	7.0	B	5		HA	TURBIN	DAILY TURBINE TESTING.
82-23	04/09/82	S	7.5	B	5		HA	TURBIN	DAILY TURBINE TESTING.
82-24	04/16/82	S	6.6	B	5		HA	TURBIN	DAILY TURBINE TESTING.
82-25	04/24/82	S	5.5	B	5		HA	TURBIN	DAILY TURBINE TESTING.
82-26	04/24/82	F	147.6	A	2	1-82-28	CG	DEMINX	HIGH CONDUCTIVITY; RESIN INTRUSION IN REACTOR CAVITY.

***** HATCH 1 OPERATED ROUTINELY DURING APRIL.
 * SUMMARY *

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

* HATCH 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. ROGERS
LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-321
LICENSE & DATE ISSUANCE...DPR-57, OCTOBER 13, 1974
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
PARKER STREET
BAXLEY, GEORGIA 31513

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 29 - OCTOBER 2 (81-28): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT FOLLOWUP AND 4 INSPECTOR-HOURS DURING THE ENFORCEMENT CONFERENCE ON OCTOBER 29, 1981. IN THE ONE AREA INSPECTED, SIX VIOLATIONS WERE IDENTIFIED. FAILURE OF THE PRB TO REVIEW PROPOSED CHANGES OR MODIFICATIONS IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.5.2.6D; FAILURE TO ESTABLISH AND IMPLEMENT MEASURES FOR ENSURING THAT DEVIATIONS ARE PROMPTLY IDENTIFIED AND CORRECTED IN ACCORDANCE WITH FSAR D.9.15 AND D.9.16; FAILURE TO SUBMIT A WRITTEN REPORT TO NRC IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.9.1.9B; FAILURE TO IMMEDIATELY DEMONSTRATE RCIC AND ADS LOGIC OPERABLE IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.5.D.2; FAILURE TO ESTABLISH AND IMPLEMENT PROCEDURES TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED IN ACCORDANCE WITH FSAR D.4.1; FAILURE TO PRB TO MAINTAIN MEETING MINUTE IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.5.1.8.

INSPECTION FEBRUARY 22-26 (82-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE WASTE SYSTEMS, TRANSPORTATION ACTIVITIES, INSTRUMENTATION, AND ONSITE RADWASTE STORAGE. OF THE 4 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 2-5 AND 16-19 (82-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI); WELDING AND NONDESTRUCTIVE EXAMINATION PROGRAM FOR TORUS MODIFICATIONS; IE BULLETIN 80-08, EXAMINATION OF CONTAINMENT LINER PENETRATION WELDS; AND PREVIOUS INSPECTION FINDINGS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO FOLLOW PROCEDURE FOR INSPECTION OF WELD FITUP).

INSPECTION SUMMARY

INSPECTION MARCH 29 - APRIL 2 (82-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXPOSURE CONTROL, RESPIRATORY PROTECTION, PLANNING AND CONTROL, TRAINING, PROCEDURES, AND INSTRUMENTATION. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE APPARENT ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA.

INSPECTION MARCH 2-20 (82-12): THIS INSPECTION INVOLVED 43 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, HOUSEKEEPING, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND FOLLOWUP OF PREVIOUS IDENTIFIED ITEMS. OF THE ELEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS, ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO PROPERLY CONTROL SAFETY-RELATED VALVES).

ENFORCEMENT SUMMARY

FAILURE TO FOLLOW APPROVED PHYSICAL SECURITY PLAN FAILURE TO FOLLOW APPROVED PHYSICAL SECURITY PLAN
(8205 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ RESIN INTRUSION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ SHUTDOWN.

LAST IE SITE INSPECTION DATE: MARCH 2-20, 1982 +

INSPECTION REPORT NO: 50-321/82-12 +

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
79-021/	03/21/79	--	NONROUTINE RADIOLOGICAL ENVIRONMENTAL OPERATING ANOMALOUS MEASUREMENT REPORT
82-010/ 03L-0	03/11/82	03/30/82	RESIDUAL HEAT REMOVAL SERVICE WATER PUMP 1A COOLING WATER VALVE NOT LOCKED OPEN
82-018/ 03L-0	02/19/82	03/16/82	DRYWELL AND TORUS TEMPERATURE RECORDER OPERATING ERRATICALLY
82-020/ 03L-0	03/18/82	04/08/82	OIL LEAK ON THE REACTOR CORE ISOLATION COOLING TURBINE OUTBOARD BEARING
82-028/ 03L-0	03/05/82	04/02/82	STANDBY GAS TREATMENT FILTER TRAINS WILL NOT ABSORB METHYL IODINE EFFICIENTLY

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: STEVE BETHAY (912) 367-7781 X 2386

4. Licensed Thermal Power (Mwt): 2436

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

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 806

8. Maximum Dependable Capacity (Net MWe): 771

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>23,256.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,162.0</u>	<u>16,459.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,097.7</u>	<u>15,661.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,975,662</u>	<u>33,805,286</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>638,260</u>	<u>11,010,770</u>
19. Net Elec Ener (MWH)	<u>-3,167</u>	<u>598,441</u>	<u>10,478,966</u>
20. Unit Service Factor	<u>.0</u>	<u>38.1</u>	<u>67.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>38.1</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>27.0</u>	<u>58.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>26.5</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.2</u>	<u>9.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>97.9</u>	<u>1,627.8</u>

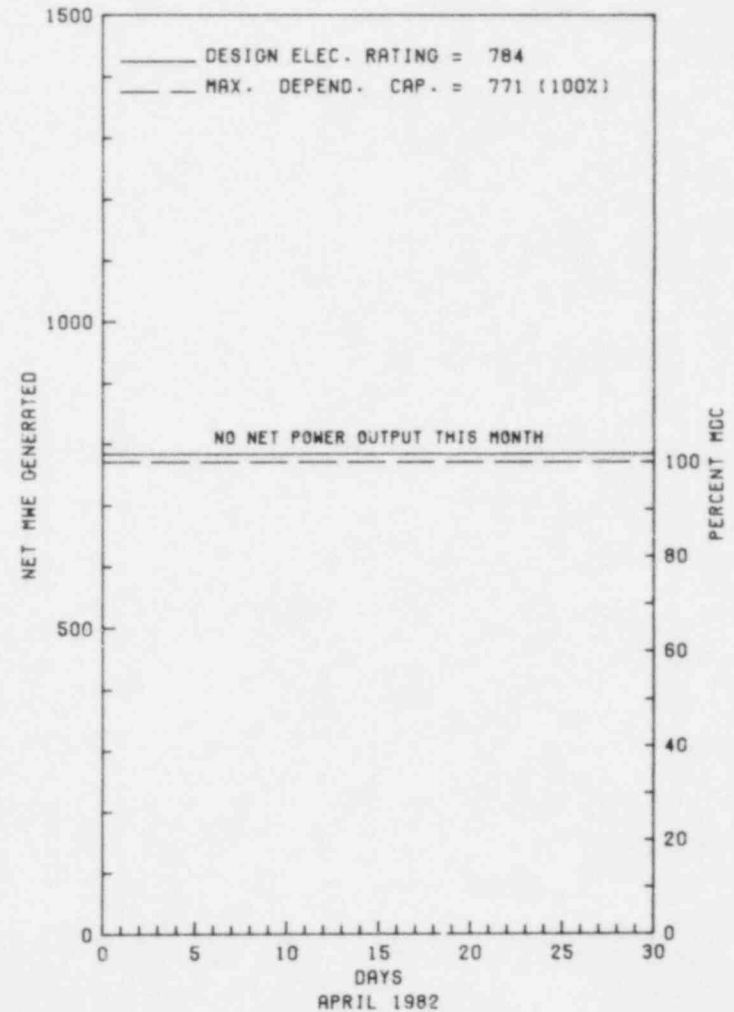
26. Shutdowns Sched Ovr: Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/82

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-2	02/19/82	S	719.0	C	4		RC	FUELXX	REACTOR SCRAM FOR REFUELING OUTAGE.

 * SUMMARY *

 HATCH 2 REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

* HATCH 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. ROGERS
LICENSING PROJ MANAGER....M. FAIRTILE
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
PARKER STREET
BAXLEY, GEORGIA 31513

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 29 - OCTOBER 2 (81-28): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT FOLLOWUP AND 4 INSPECTOR-HOURS DURING THE ENFORCEMENT CONFERENCE ON OCTOBER 29, 1981. IN THE ONE AREA INSPECTED, SIX VIOLATIONS WERE IDENTIFIED. FAILURE OF THE PRB TO REVIEW PROPOSED CHANGES OR MODIFICATIONS IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.5.2.6D; FAILURE TO ESTABLISH AND IMPLEMENT MEASURES FOR ENSURING THAT DEVIATIONS ARE PROMPTLY IDENTIFIED AND CORRECTED IN ACCORDANCE WITH FSAR D.9.15 AND D.9.16; FAILURE TO SUBMIT A WRITTEN REPORT TO NRC IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.9.1.9B; FAILURE TO IMMEDIATELY DEMONSTRATE RCIC AND ADS LOGIC OPERABLE IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.5.D.2; FAILURE TO ESTABLISH AND IMPLEMENT PROCEDURES TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED IN ACCORDANCE WITH FSAR D.4.1; FAILURE TO PRB TO MAINTAIN MEETING MINUTE IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.5.1.8.

INSPECTION FEBRUARY 22-26 (82-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE WASTE SYSTEMS, TRANSPORTATION ACTIVITIES, INSTRUMENTATION, AND ONSITE RADWASTE STORAGE. OF THE 4 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 2-5 AND 16-19 (82-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI); WELDING AND NONDESTRUCTIVE EXAMINATION PROGRAM FOR TORUS MODIFICATIONS; IE BULLETIN 80-08, EXAMINATION OF CONTAINMENT LINER PENETRATION WELDS; AND PREVIOUS INSPECTION FINDINGS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO FOLLOW PROCEDURE FOR INSPECTION OF WELD FITUP).

INSPECTION SUMMARY

INSPECTION MARCH 29 - APRIL 2 (82-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXPOSURE CONTROL, RESPIRATORY PROTECTION, PLANNING AND CONTROL, TRAINING, PROCEDURES, AND INSTRUMENTATION. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE APPARENT ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA.

INSPECTION MARCH 2-20 (82-12): THIS INSPECTION INVOLVED 42 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, HOUSEKEEPING, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND FOLLOWUP OF PREVIOUS IDENTIFIED ITEMS. OF THE ELEVEN AREAS INSPECTED, 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:

SHUTDOWN.

LAST IE SITE INSPECTION DATE: MARCH 2-20, 1982 +

INSPECTION REPORT NO: 50-366/82-12 +

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-129/ 03L-0	12/17/81	01/07/82	2C DIESEL GENERATOR INOPERABLE DUE TO ENGINE FAILURE
82-010/ 01T-0	03/04/82	03/18/82	FAILURE OF ADMINISTRATIVE CONTROLS ASSOCIATED WITH TEMPORARY PROCEDURES
82-021/ 03L-0	02/27/82	03/16/82	LIQUID RADWASTE TANK WAS PARTIALLY DISCHARGED PRIOR TO ANALYSIS
82-022/ 03L-0	02/22/82	03/25/82	SEVERAL PRIMARY CONTAINMENT VALVES LEAKING IN EXCESS OF ACCEPTABLE CRITERIA
82-023/ 03L-0	03/12/82	04/08/82	PILOT SENSING TUBE MISSING FROM MAIN STEAM RELIEF VALVE SN312
82-025/ 03L-0	03/22/82	04/08/82	REFUELING FLOOR VENT EXHAUST FAN ISOLATION DAMPER 2T41-F023B FAILED TO CLOSE
82-028/ 01T-0	04/02/82	04/13/82	STANDBY GAS TREATMENT FILTER TRAIN 2T46-D001B DECLARED INOPERABLE

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1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: E. EICH (914) 694-6000 @ I.P.

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 864

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 7 & 8 SUMMER RATINGS (EFFECTIVE 4-25-82)

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

11. Reasons for Restrictions, If Any: NONE

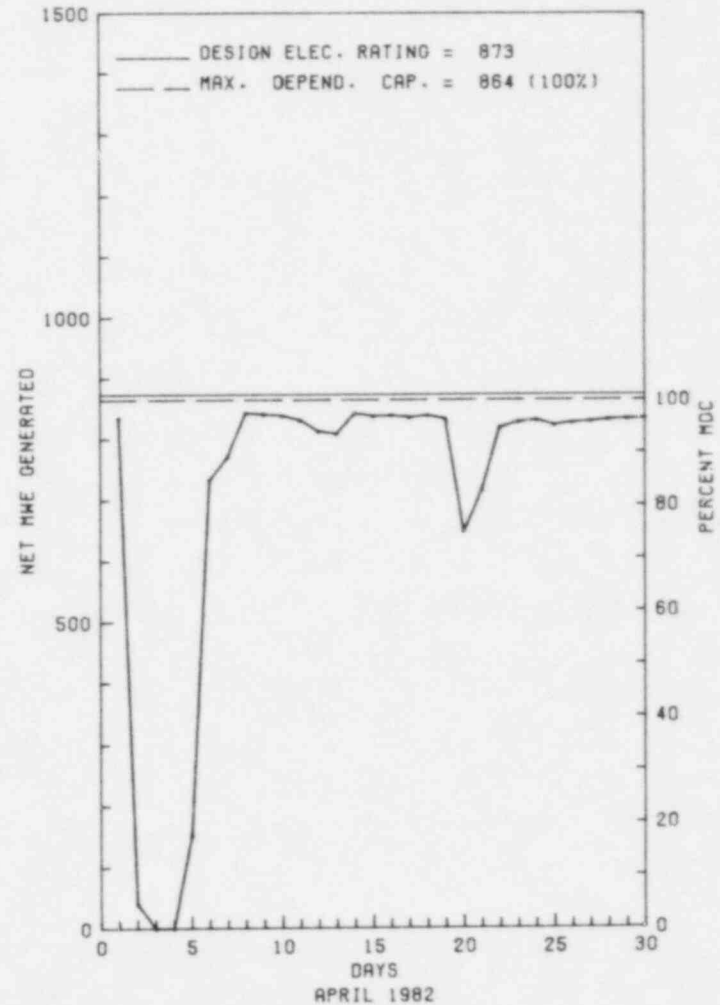
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>68,664.0</u>
13. Hours Reactor Critical	<u>641.1</u>	<u>2,781.3</u>	<u>45,102.7</u>
14. Rx Reserve Shtdwn Hrs	<u>51.1</u>	<u>51.1</u>	<u>1,578.4</u>
15. Hrs Generator On-Line	<u>634.2</u>	<u>2,762.5</u>	<u>43,873.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,708,074</u>	<u>7,451,601</u>	<u>113,766,176</u>
18. Gross Elec Ener (MWH)	<u>532,820</u>	<u>2,349,090</u>	<u>35,188,406</u>
19. Net Elec Ener (MWH)	<u>509,780</u>	<u>2,254,197</u>	<u>33,538,853</u>
20. Unit Service Factor	<u>88.2</u>	<u>96.0</u>	<u>63.9</u>
21. Unit Avail Factor	<u>88.2</u>	<u>96.0</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>82.1</u>	<u>90.6</u>	<u>56.8*</u>
23. Unit Cap Factor (DER Net)	<u>81.</u>	<u>89.7</u>	<u>56.0</u>
24. Unit Forced Outage Rate	<u>11.8</u>	<u>4.0</u>	<u>10.1</u>
25. Forced Outage Hours	<u>84.8</u>	<u>116.5</u>	<u>4,656.7</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING OUTAGE, SEPTEMBER, 1982.

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 2



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/02/82	F	84.8	A	3		CH	PUMPXX	UNIT TRIP DUE TO NO. 22 MBFP ERRATIC GOVERNOR CONTROL SYSTEM.
2	04/20/82	F	0.0	D	5		CH	HTEXCH	REDUCED LOAD DUE TO HIGHER THAN NORMAL S/G CHLORIDE.

***** INDIAN POINT 2 OPERATED WITH 1 OUTAGE AND 1 REDUCTION DUE TO EQUIPMENT FAILURE AND REGULATORY RESTRICTION, * SUMMARY * RESPECTIVELY. *****

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ 50-247/82-04 - MAR 1-31: ROUTINE ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THREE RESIDENT INSPECTORS (202 HRS) INCLUDING LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; PLANT TOURS; CONTAINMENT ISOLATION LINEUP; OPERABILITY OF ENGINEERED SAFEGUARDS FEATURES; RADIATION PROTECTION CONTROLS; SAMPLING PROGRAM REVIEW; RADIO-ACTIVE WASTE SYSTEM CONTROLS; SURVEILLANCE OBSERVATIONS; FACILITY MAINTENANCE; LOSS OF BORON INJECTION TANK NITROGEN OVERPRESSURE; REVIEW OF MONTHLY AND PERIODIC REPORTS; MINOR SEISMIC DISTURBANCES; INDEPENDENT INSPECTION EFFORT; INDEPENDENT LIMITING CONDITIONS FOR OPERATION VERIFICATION; AND PHYSICAL SECURITY. FOUR VIOLATIONS WERE IDENTIFIED: UNCALIBRATED SURVEY METER; DEGRADED EQUIPMENT NOT IDENTIFIED; LOSS OF BIT PRESSURE; FAILURE TO MEET SECURITY PLAN REQUIREMENTS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE LICENSEE'S WINDOW FOR REFUELING OUTAGE IS SEPTEMBER-OCTOBER 1982.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT IS AT 100% POWER.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-247/82-07 +

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
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82-014/   03/20/82   04/19/82   DIAPHRAGM FAILURE VALVE 267A
03L
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1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: C. Connell (914) 739-8200 x242

4. Licensed Thermal Power (MWt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 926

8. Maximum Dependable Capacity (Net MWe): 891

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>49,680.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,984.6</u>	<u>34,090.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,969.4</u>	<u>32,913.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,060,030</u>	<u>84,087,592</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,502,170</u>	<u>26,298,301</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,436,036</u>	<u>25,183,443</u>
20. Unit Service Factor	<u>.0</u>	<u>68.4</u>	<u>66.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.4</u>	<u>66.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.0</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.7</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>45.6</u>	<u>5,481.3</u>

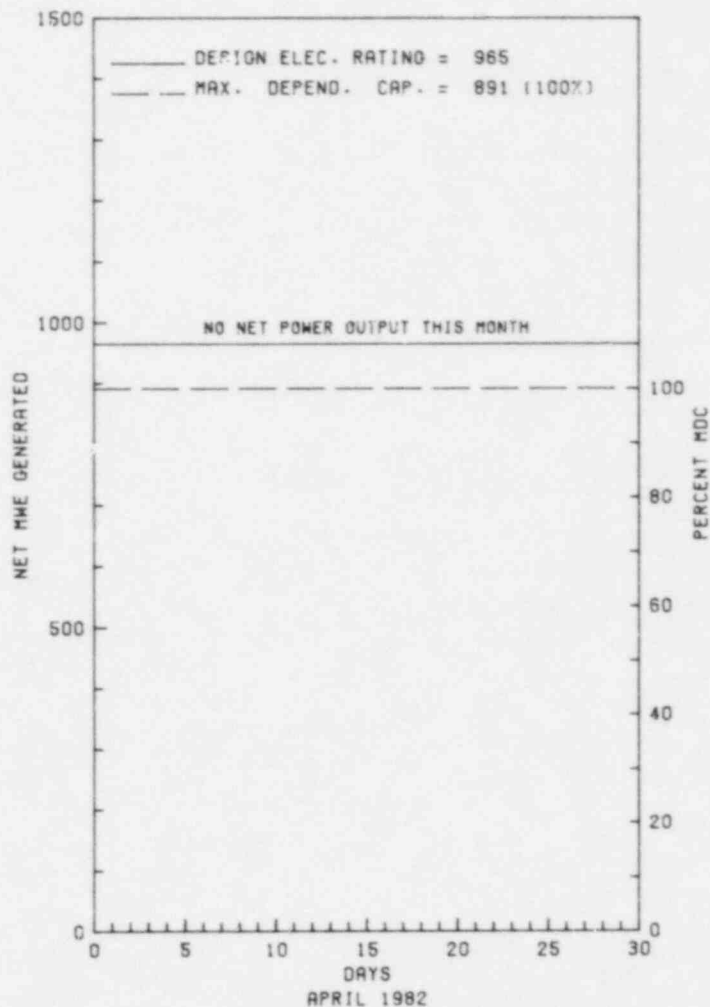
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/82

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
04	03/25/82	S	719.0	C	4		RC	FUELXX	UNIT IN A SCHEDULED CYCLE III-IV REFUELING OUTAGE.

 * SUMMARY *

 INDIAN POINT 3 REMAINED SHUTDOWN IN AN ONGOING REFUELING OUTAGE.

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

* INDIAN POINT 3 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 6, 1976
DATE ELEC ENER 1ST GENER...APRIL 27, 1976
DATE COMMERCIAL OPERATE...AUGUST 30, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.
CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

- + 50-286/81-07 - MAY 20-21: SPECIAL, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (16 HRS) OF OUTSTANDING ITEMS AND LICENSEE COMMITMENTS DATED FEBRUARY 8 AND JUNE 27, 1980, AND IN OTHER LICENSEE LETTERS, AND CONFIRMATORY SURVEYS OF THE FACILITY, INCLUDING: RADWASTE VOLUME REDUCTION, IMPROVEMENTS IN LIQUID RADWASTE PROCESSING AND STORAGE, TRAINING OF CERTAIN PERSONNEL, EVALUATIONS OF EXPOSURES RECEIVED BY THREE INDIVIDUALS, PRO-CEDURES, POSTED INFORMATION, SURVEYS AND RECORDS. NO VIOLATIONS WERE IDENTIFIED.
- + 50-286/82-04 - MAR 2-4: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS EXERCISE OBSERVATION, EVALUATION AND INSPECTION. THE INSPECTION INVOLVED 306 HOURS BY A TEAM OF 11 NRC REGION I, NRC HEADQUARTERS, AND CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.
- + 50-286/82-05 - MAR 16 - APR 15: ROUTINE ONSITE REGULAR AND BACKSHIFT INSPECTIONS BY THE RESIDENT AND REGION BASED INSPECTORS (139 HRS) OF PLANT OPERATIONS INCLUDING SHIFT LOGS AND RECORDS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT TOUR; SURVEILLANCE; MAINTENANCE; FOLLOWUP ON IE CIRCULARS AND IE BULLETINS; STEAM GENERATOR TUBE LEAKS; AND STEAM GENERATOR CLOSURE SEAM INDICATIONS AND PROGRAM. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

TS 6.8.1 REQUIRES THAT WRITTEN PROCEDURE & ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED & MAINTAINED. ADMIN PROCEDURE 21.1, "OPERATING PROCEDURE CONTROLS", STATES, "A COPY OF THE PROCEDURES WILL BE MAINTAINED & DISTRIBUTED BY THE OPERATIONS STAFF IN EACH OF THE FOLLOWING LOCATIONS: A) OPERATIONS STAFF, B) SHIFT SUPERVISOR'S OFFICE, C) CONTROL ROOM, D) NUCLEAR NPO OFFICE, E) CONVENTIONAL NPO OFFICE." CONTRARY TO THE ABOVE, ON 2/18/82, THE INSPECTOR FOUND THAT 4 CATEGORIES OF PROCEDURES IN THE CONVENTIONAL NUCLEAR PLANT OPERATOR'S OFFICE, NAMELY, STATION OPERATING PROCEDURES, PLANT EMERGENCY PROCEDURES, OFF-NORMAL OPERATING PROCEDURES, & ALARM RESPONSE PROCEDURES DID NOT HAVE THE CORRECT INDEXES, NOR DID THE PROCEDURE MANUALS CONTAIN THE LATEST REVISIONS OF ALL PROCEDURES. ADMIN PROC 34, "PROCESSING CONTROL & FILING OF DOCUMENTS," ESTABLISHES MEASURES TO CONTROL THE ISSUANCE OF DOCUMENTS INCLUDING CHANGES THERETO. CONTRARY TO THE ABOVE, ON 2/18/82, THE INSPECTOR FOUND THAT OF 11 ADMIN PROC MANUALS REVIEWED, 3 MANUALS DID NOT CONTAIN THE CURRENT INDEX REVISIONS & 5 OF THE MANUALS CONTAINED SUPERSEDED PROCEDURES WHICH SHOULD HAVE BEEN DISCARDED. ADMIN PROC 34, "PROCESSING CONTROL & FILING OF DOCUMENTS," STATES, "DEPARTMENTS RESPONSIBLE FOR WRITING & ISSUING THEIR OWN PROCEDURES WILL SUPPLY THE CURRENT UPDATED INDEX OF THEIR PROCEDURES TO THE OPERATING DOCUMENT COORDINATOR." CONTRARY TO THE ABOVE, ON 2/18/82, THE INSPECTOR FOUND THAT THE INDEX FROM THE SURVEILLANCE DEPARTMENT WAS NOT CURRENT IN THE OPERATING DOCUMENT COORDINATOR'S FILE.
(8203 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE UNIT REMAINS SHUT DOWN, PERFORMING NDE ON THE GIRTH WELDS OF ALL STEAM GENERATORS. INDICATIONS HAVE BEEN FOUND ON #31, #32, AND #34 STEAM GENERATOR GIRTH WELDS. TWO TUBES WERE REMOVED FROM THE COLD LEG OF #33 STEAM GENERATOR, AND ONE TUBE FROM THE HOT LEG OF #33 STEAM GENERATOR. INDICATIONS HAVE ALSO BEEN FOUND IN THE LOW PRESSURE TURBINES STATIONARY AND ROTATING ELEMENTS. THE LICENSEE IS CONTINUING TO PERFORM NDE ON THE STEAM GENERATORS AND LOW PRESSURE TURBINES.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE LICENSEE PLANS TO COMPLETE THE WELDING PROCESS ON #33 STEAM GENERATOR THUS PLUGGING THE REMOVED TUBES; UPON COMPLETION OF STEAM GENERATOR TUBE PLUGGING, THE LICENSEE PLANS TO START THE REFUELING OF THE REACTOR VESSEL.

MANAGERIAL ITEMS:

+ NONE

PLANT STATUS:

+ THE UNIT IS IN A COLD SHUTDOWN CONDITION, WITH THE LOOPS DRAINED TO ALLOW WELDING OF THE REMOVED TUBES IN #33 STEAM GENERATOR.

LAST IE SITE INSPECTION DATE: 4/16 - 5/15/82 +

INSPECTION REPORT NO: 50-286/82-07 +

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 01T	03/24/82	04/07/82	PRIMARY TO SECONDARY STEAM GENERATOR TUBE LEAK
82-002/ 01T	03/27/82	04/09/82	LEAK ON THE SHELL SIDE OF STEAM GENERATOR WAS OBSERVED

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1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 1650

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 538

8. Maximum Dependable Capacity (Net MWe): 515

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC GROSS & NET CHANGED FROM 01/04/82 TEST.

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

11. Reasons for Restrictions, If Any: NONE

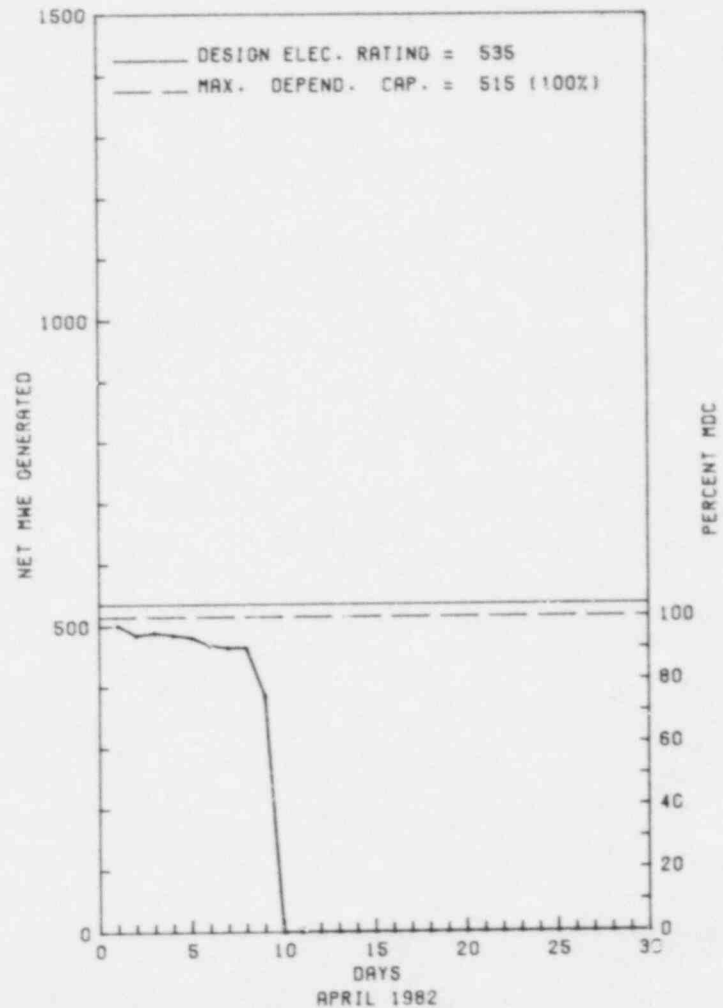
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>69,024.0</u>
13. Hours Reactor Critical	<u>216.0</u>	<u>2,376.0</u>	<u>58,378.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>215.3</u>	<u>2,375.3</u>	<u>57,182.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>326,008</u>	<u>3,829,316</u>	<u>88,636,250</u>
18. Gross Elec Ener (MWH)	<u>106,400</u>	<u>1,248,700</u>	<u>29,201,100</u>
19. Net Elec Ener (MWH)	<u>101,354</u>	<u>1,192,114</u>	<u>27,792,371</u>
20. Unit Service Factor	<u>29.9</u>	<u>82.5</u>	<u>82.8</u>
21. Unit Avail Factor	<u>29.9</u>	<u>82.5</u>	<u>82.9</u>
22. Unit Cap Factor (MDC Net)	<u>27.4</u>	<u>80.4</u>	<u>77.0*</u>
23. Unit Cap Factor (DER Net)	<u>26.3</u>	<u>77.4</u>	<u>75.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,655.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 05/22/82

 * KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* KEWAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	04/09/82	S	503.7	C	3		ZZ	ZZZZZ	COMMENCED CYCLE VII-VIII REFUELING OUTAGE.

* SUMMARY *

KEWAUNEE BEGAN A REFUELING OUTAGE ON APRIL 9, AND REMAINED SHUTDOWN THE REMAINDER OF THE MONTH.

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

* Kewaunee *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....KEWAUNEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...27 MI E OF
GREEN BAY, WI.

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1974
DATE ELEC ENER 1ST GENER...APRIL 8, 1974
DATE COMMERCIAL OPERATE...JUNE 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
 * INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 1200
GREEN BAY, WISCONSIN 54305

CONTRACTOR
ARCHITECT/ENGINEER.....PIONEER SERVICES & ENGINEERING
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. NELSON
LICENSING PROJ MANAGER.....M. GROTENHUIS
DOCKET NUMBER.....50-305
LICENSE & DATE ISSUANCE...DPR-43, DECEMBER 21, 1973
PUBLIC DOCUMENT ROOM.....KEWAUNEE PUBLIC LIBRARY
822 JUNEAU STREET
KEWAUNEE, WISCONSIN 54216

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

INSPECTION SUMMARY

INSPECTION ON MARCH 24-26, (82-08): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING COLLECTION OF SAMPLES, ANALYSIS ONSITE WITH THE REGION III MEASUREMENTS VAN AND DISCUSSION OF RESULTS. THE 1981 ANNUAL REPORT FOR THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM WAS REVIEWED. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 24-26, 1982

INSPECTION REPORT NO: 82-08

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04/ 03L-0	03/08/82	04/07/82	DURING RHR PUMP AND VALVE TESTING, VALVE SI 300B FAILED TO CLOSE.
82-05/ 03L-0	03/09/82	04/07/82	1A2 SERVICE WATER PUMP FAILED TO START ON DEMAND.
82-06/ 03L-0	03/15/82	04/14/82	VALVE SI-209 WAS TAKEN OUT OF SERVICE FOR MAINTENANCE.

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 165

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

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>109,538.0</u>
13. Hours Reactor Critical	<u>197.9</u>	<u>1,796.6</u>	<u>72,927.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>197.9</u>	<u>1,706.2</u>	<u>67,398.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>23,640</u>	<u>212,692</u>	<u>9,208,476</u>
18. Gross Elec Ener (MWH)	<u>6,601</u>	<u>59,143</u>	<u>2,749,001</u>
19. Net Elec Ener (MWH)	<u>5,796</u>	<u>54,397</u>	<u>2,542,389</u>
20. Unit Service Factor	<u>27.5</u>	<u>59.3</u>	<u>61.5</u>
21. Unit Avail Factor	<u>27.5</u>	<u>59.3</u>	<u>61.6</u>
22. Unit Cap Factor (MDC Net)	<u>16.8</u>	<u>39.4</u>	<u>48.4</u>
23. Unit Cap Factor (DER Net)	<u>16.1</u>	<u>37.8</u>	<u>46.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>27.6</u>	<u>8.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>651.6</u>	<u>4,935.8</u>

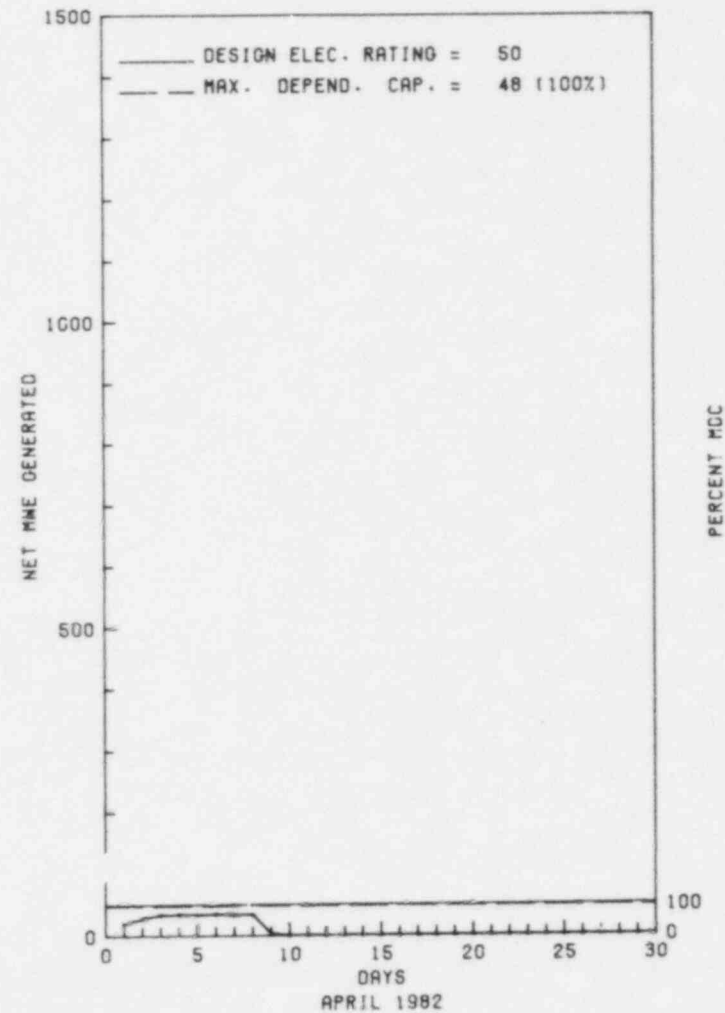
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/06/82

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
82-07	04/09/82	S	521.2	C	1			SCHEDULED REFUELING OUTAGE. EXPECTED DURATION OF 11 WEEKS.

* SUMMARY *

LA CROSSE OPERATED ROUTINELY UNTIL APRIL 9TH, WHEN THE UNIT SHUTDOWN FOR SCHEDULED REFUELING.

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

* LA CROSSE *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967

DATE ELEC ENER 1ST GENER...APRIL 26, 1968

DATE COMMERCIAL OPERATE...NOVEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER

CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601

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

NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS

CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. BRANCH

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

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

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

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

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE ON FEBRUARY 11, (82-03): ACTIONS DISCUSSED INCLUDED: (1) POTENTIAL NRC ACTION RELATIVE TO THE MARCH 16, 1981, EVENT INVOLVING OPERATION ON THE MAIN STEAM BYPASS VALVE AT POWER. (2) POTENTIAL NRC ACTION RELATIVE TO THE DECEMBER 23-24, 1981, EVENT INVOLVING LOSS OF OFFSITE POWER AND UNINTENTIONAL COOLDOWN OF A RECIRCULATION LOOP. (3) LICENSEE CORRECTIVE ACTIONS RELATED TO ITEMS (1) AND (2). (4) NRC CONCERNS ABOUT THE PRESENT STAFFING OF THE HEALTH PHYSICS DEPARTMENT AND HOW THE PRESENT ATTRITION RATE MAY AFFECT THE FUTURE STAFFING OF THAT DEPARTMENT.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT SHUT DOWN FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: FEBRUARY 11, 1982

INSPECTION REPORT NO: 82-03

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04/ 03L-0	03/29/82	04/22/82	EMER. SER. WATER SUPPLY SYSTEM SUCTION HOSES LEAKED DURING FIRST POSSITIVE PRESSURE HYDROSTATIC SURVEILLANCE TEST.

1. Docket: 50-309 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ANNE DOYLE (617) 872-8100

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 900 X 0.9 = 810

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>83,051.6</u>
13. Hours Reactor Critical	<u>713.8</u>	<u>2,311.0</u>	<u>67,219.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>711.0</u>	<u>2,253.6</u>	<u>64,964.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,792,894</u>	<u>5,569,146</u>	<u>141,662,376</u>
18. Gross Elec Ener (MWH)	<u>581,360</u>	<u>1,806,510</u>	<u>46,476,260</u>
19. Net Elec Ener (MWH)	<u>554,394</u>	<u>1,724,456</u>	<u>44,164,721</u>
20. Unit Service Factor	<u>98.9</u>	<u>78.3</u>	<u>78.2</u>
21. Unit Avail Factor	<u>98.9</u>	<u>78.3</u>	<u>78.2</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>73.8</u>	<u>68.2*</u>
23. Unit Cap Factor (DER Net)	<u>93.5</u>	<u>72.5</u>	<u>66.2*</u>
24. Unit Forced Outage Rate	<u>1.1</u>	<u>3.5</u>	<u>6.9</u>
25. Forced Outage Hours	<u>8.0</u>	<u>80.7</u>	<u>3,944.0</u>

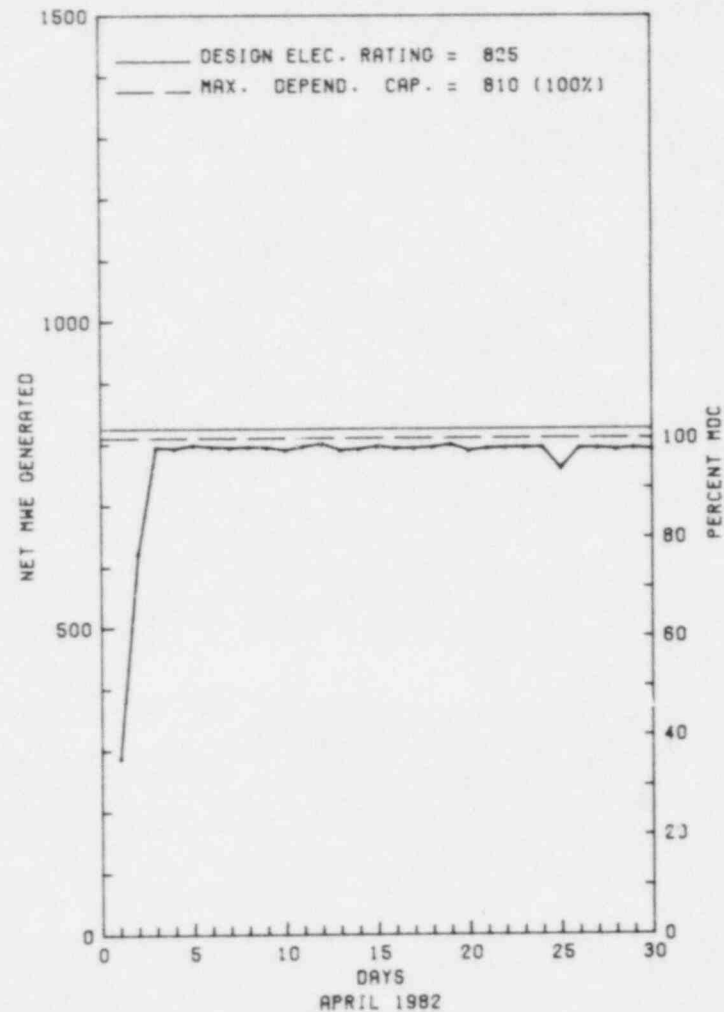
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING OUTAGE, OCTOBER THRU NOVEMBER.

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6-82-6	04/01/82	F	8.0	H	1		ZZ	ZZZZZ	UNANTICIPATED CLOSURE OF SCCW NONESSENTIAL HEADER ISOLATION VALVES DUE TO ENGINEERING DESIGN.

* SUMMARY *

MAINE YANKEE OPERATED ROUTINELY WITH 1 OUTAGE AND NO REDUCTIONS DURING APRIL.

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

* MAINE YANKEE *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE

COUNTY.....LINCOLN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI N OF
BATH, ME

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 23, 1972

DATE ELEC ENER 1ST GENER...NOVEMBER 8, 1972

DATE COMMERCIAL OPERATE...DECEMBER 28, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...BACK RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER

CORPORATE ADDRESS.....83 EDISON DRIVE
AUGUSTA, MAINE 04366

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. SWETLAND

LICENSING PROJ MANAGER.....K. HEITNER
DOCKET NUMBER.....50-309

LICENSE & DATE ISSUANCE...DPR-36, JUNE 29, 1973

PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

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

INSPECTION SUMMARY

+ 50-309/82-01 - FEB 9 - MAR 22: ROUTINE, REGULAR AND BACKSHIFT INSPECTION BY RESIDENT INSPECTOR (138 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM, REACTOR CONTAINMENT, TURBINE BUILDING, PRIMARY AUXILIARY BUILDING, SPRAY BUILDING, AND AUXILIARY FEED PUMP ROOM. ACTIVITIES/RECORDS INSPECTED INCLUDED PLANT OPERATIONS, RADIATION PROTECTION, PHYSICAL SECURITY, OBSERVATION OF MAINTENANCE AND SURVEILLANCE TESTING, FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, INSERVICE TESTING OF SAFEGUARDS PUMPS, INOFFICE REVIEW OF LICENSEE EVENTS, FOLLOWUP ON LICENSEE EVENTS, FOLLOWUP ON IE CIRCULARS, FOLLOWUP ON EVENTS OCCURRING DURING THE INSPECTION, AND REVIEW OF AUDIT PROGRAM IMPLEMENTATION. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW PROCEDURES FOR CHANGES TO INSTALLATION INSTRUCTIONS.

+ 50-309/82-04 - MAR 9-12: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (52 HRS) OF ELECTRICAL MODIFICATIONS TO THE SAFETY INJECTION ACTUATION SYSTEM (SIAS) PER ENGINEERING DESIGN CHANGE REQUEST (EDCR) NO. 82-7 AND THE TMI-NUREG-0737 HIGH RANGE RADIATION MONITOR ADDITION PER EDCR NO. 80-03 IN THE AREAS OF RECEIPT INSPECTION, MATERIAL QUALIFICATION, PROCEDURES, INSTALLATION, TESTING AND DOCUMENT CONTROL. FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES; FAILURE TO ADEQUATELY CONTROL DOCUMENTS; FAILURE TO ADEQUATELY TEST MODIFICATIONS; FAILURE TO ADEQUATELY CONTROL DESIGN CHANGES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

+ NRC PRESSURIZED THERMAL SHOCK TASK FORCE AUDIT TEAM WILL BE ONSITE IN MAY 1982 TO EVALUATE LICENSEE PROCEDURES AND TRAINING.

PLANT STATUS:

+ FULL POWER OPERATION EXCEPT FOR A MANUAL TRIP ON 4/1 NECESSITATED BY A SPURIOUS TRIP OF COOLING WATER TO THE MAIN TURBINE GENERATOR.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-309/82-07 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-011/ 01T	03/24/82	04/02/82	WIRING ERROR ON LD-T-5
82-012/ 01T	03/26/82	04/02/82	FAILURE TO ESTABLISH CONTAINMENT INTEGRITY
82-013/ 03L	03/24/82	04/01/82	PRESSURIZER DRAIN TO RWST WHILE SHUTDOWN
82-014/ 03L	03/26/82	04/13/82	FAILURE TO STATION THE STA
82-015/ 03L	03/25/82	04/14/82	FAILURE OF VP-A-5 TYPE C LEAK TEST

=====

1. Docket: 50-369 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. A. REAVIS (704) 373-8552

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1181

8. Maximum Dependable Capacity (Net MWe): 1180

9. If Changes Occur Above Since Last Report, Give Reasons:
MCGUIRE 1 POWER RATINGS NOT PERMANENTLY ESTABLISHED

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>3,623.0</u>
13. Hours Reactor Critical	<u>704.3</u>	<u>2,287.3</u>	<u>2,333.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>695.5</u>	<u>2,263.1</u>	<u>2,308.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,192,627</u>	<u>4,051,201</u>	<u>4,136,156</u>
18. Gross Elec Ener (MWH)	<u>408,960</u>	<u>1,368,571</u>	<u>1,396,987</u>
19. Net Elec Ener (MWH)	<u>382,958</u>	<u>1,275,987</u>	<u>1,295,043</u>
20. Unit Service Factor	<u>96.7</u>	<u>78.6</u>	<u>63.7</u>
21. Unit Avail Factor	<u>96.7</u>	<u>78.6</u>	<u>63.7</u>
22. Unit Cap Factor (MDC Net)	<u>45.1</u>	<u>37.6</u>	<u>30.3</u>
23. Unit Cap Factor (DER Net)	<u>45.1</u>	<u>37.6</u>	<u>30.3</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>21.4</u>	<u>36.3</u>
25. Forced Outage Hours	<u>23.5</u>	<u>615.9</u>	<u>1,314.2</u>

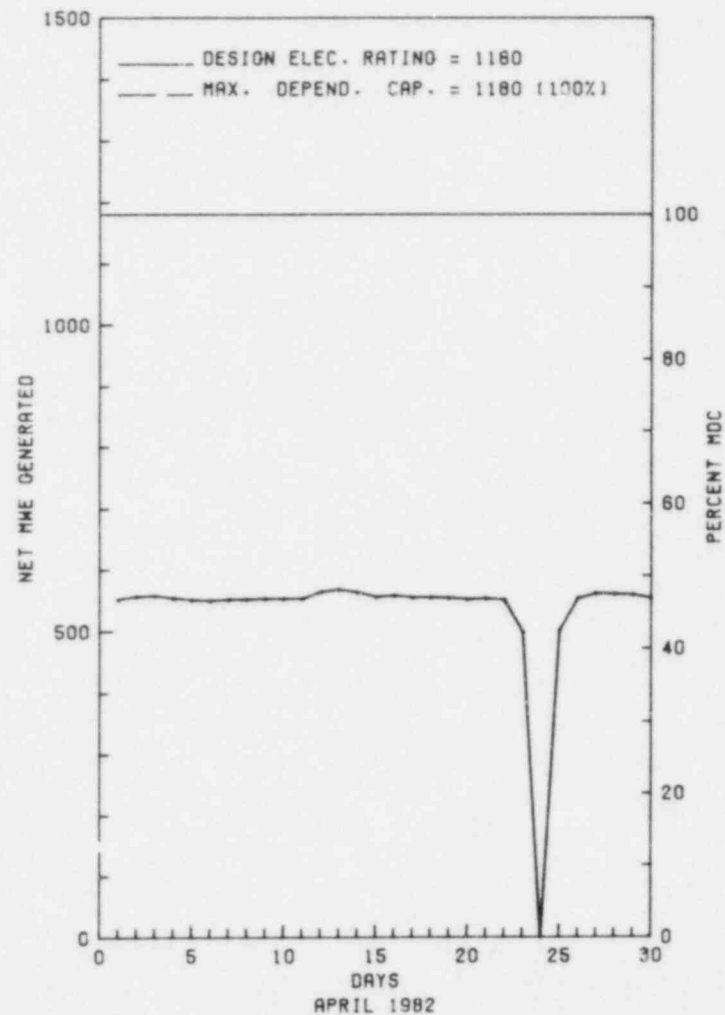
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
STEAM GENERATOR EDDY CURRENT TESTING - 3 WEEKS - 6/20

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

 * MCGUIRE 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6-P	04/01/82	F	0.0	H	5		CB	HTEXCH	REDUCED TO 50% POWER AWAITING FURTHER ANALYSIS OF STEAM GENERATOR CONDITION.
10	04/23/82	F	23.5	A	3		CH	INSTRU	WHILE REDUCING POWER FOR TECH. SPEC. REQUIREMENT, THE FEEDWATER PUMP TRIPPED DUE TO DISCHARGE PRESSURE SET POINT TRIP BEING TOO LOW.
7-P	04/24/82	F	0.0	H	5		CH	HTEXCH	HOLDING AT 50% POWER AWAITING FURTHER ANALYSIS OF STEAM GENERATOR CONDITION.

 * SUMMARY *

 MCGUIRE 1 OPERATED ROUTINELY WITH 1 OUTAGE AND 2 REDUCTIONS DURING APRIL.

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

* MCGUIRE 1 *

FACILITY DATA

Report Period APR 1982

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 8 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE TO REVIEW STARTUP TEST RESULTS AND REPORTS. ONE VIOLATION WAS FOUND (UNAPPROVED CHANGE IN ACCEPTANCE CRITERION IN ESSENTIAL STARTUP TEST).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: MARCH 8, 1982 +

INSPECTION REPORT NO: 50-369/82-09 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-001/ 03X-1	01/29/81	--	VARIOUS PORTIONS OF THE FIRE DETECTION SYSTEM INOPERABLE
82-017/ 03L-0	02/12/82	03/15/82	UPPER HEAD INJECTION PORTION OF EMERGENCY CORE COOLING SYSTEM INOPERABLE
82-018/ 03L-0	02/18/82	03/17/82	FAILURE OF ONE CHANNEL OF OVERTEMPERATURE DELTA T AND OVERPOWER DELTA T
82-019/ 03L-0	02/28/82	03/30/82	THREE SWING CHECK VALVES FAILED TO SEAT PROPERLY
82-020/ 03L-0	03/04/82	04/01/82	FIRE DETECTION SYSTEM DECLARED INOPERABLE
82-022/ 03L-0	03/10/82	04/08/82	POWER OPERATED RELIEF VALVE ON PRESSURIZER 1 HAD NOT BEEN TIMED

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

10. Power Level To Which Restricted, If Any (Net MWe): 595

11. Reasons for Restrictions, If Any: _____
MAIN TURBINE COMPLETE 14TH STAGE REMOVAL.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>100,103.0</u>
13. Hours Reactor Critical	<u>705.8</u>	<u>2,840.8</u>	<u>74,095.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>701.2</u>	<u>2,831.2</u>	<u>71,474.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,279,085</u>	<u>5,496,016</u>	<u>128,531,100</u>
18. Gross Elec Ener (MWH)	<u>400,700</u>	<u>1,722,700</u>	<u>43,184,696</u>
19. Net Elec Ener (MWH)	<u>380,749</u>	<u>1,638,806</u>	<u>41,187,629</u>
20. Unit Service Factor	<u>97.5</u>	<u>98.3</u>	<u>71.4</u>
21. Unit Avail Factor	<u>97.5</u>	<u>98.3</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>81.0</u>	<u>87.0</u>	<u>62.9</u>
23. Unit Cap Factor (DER Net)	<u>80.2</u>	<u>86.2</u>	<u>62.3</u>
24. Unit Forced Outage Rate	<u>2.5</u>	<u>1.7</u>	<u>15.6</u>
25. Forced Outage Hours	<u>17.8</u>	<u>47.8</u>	<u>5,237.4</u>

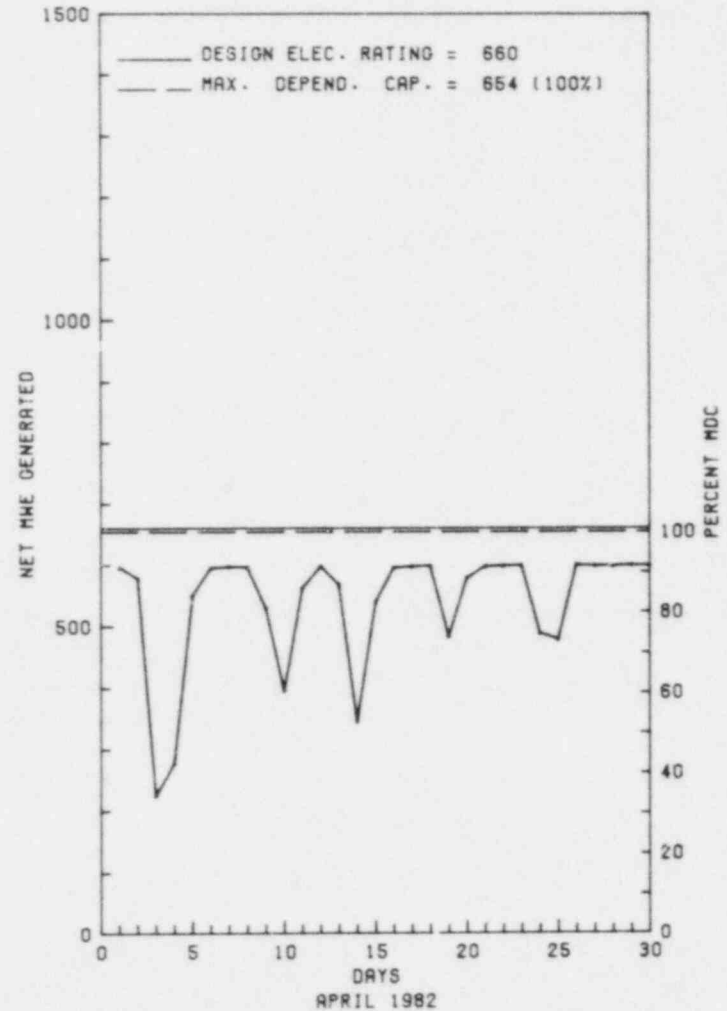
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING OUTAGE, SEPTEMBER 11, 1982 - 9 WEEKS

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/03/82	S	0.0	B	5		HC	HTEXCH	DOWNPOWER TO REPAIR LEAKING MAIN CONDENSER TUBES, AND CONTROL ROD PATTERN CHANGE.
4	04/10/82	S	0.0	B	5		HC	HTEXCH	MAIN CONDENSER TUBE LEAKS.
5	04/13/82	F	17.8	G	2		HC	HTEXCH	A REACTOR RECIRCULATION PUMP TRIP WAS AUTOMATICALLY INITIATED BY DIVISION I ATWS SYS. TRIP RESULTED WHEN 125 VOLT D.C. CIRCUIT BREAKER SUPPLYING DIVISION 1 PANEL WAS SWITCHED OFF TO ENABLE VARYING BATTERY CHARGER OUTPUT VOLTAGE WITHOUT AFFECTING ASSOCIATED ATWS CHANNEL - IN AN ATTEMPT TO LOCATE A GROUND ON 125V D.C. POWER SYSTEM.
6	04/19/82	S	0.0	B	5		HC	HTEXCH	MAIN CONDENSER TUBE LEAKS.
7	04/25/82	S	0.0	B	5		HC	HTEXCH	MAIN CONDENSER TUBE LEAKS.

 * SUMMARY *

 MILLSTONE 1 OPERATED WITH SEVERAL REDUCTIONS AND 1 OUTAGE DURING APRIL.

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

* MILLSTONE 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 26, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 29, 1970
DATE COMMERCIAL OPERATE...MARCH 1, 1971
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....J. SHEA
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE...DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

+ 50-245/82-03 - FEB 1-5: UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (46 HRS) INCLUDED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT, PERSONNEL, RESPONSE); SECURITY PROGRAM AUDITS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS (PROTECTED AREA, VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES, VEHICLES); DETECTION AIDS (PROTECTED AREA, VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; FOLLOW-UP ON PREVIOUSLY IDENTIFIED VIOLATIONS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO PROVIDE ASSESSMENT COVERAGE AS REQUIRED BY THE SECURITY PLAN; FAILURE TO CONTROL ACCESS IN ACCORDANCE WITH SECURITY PLAN REQUIREMENTS.

+ 50-245/82-05 - FEB 7 - MAR 27: ROUTINE FACILITY SAFETY INSPECTIONS BY TWO RESIDENT INSPECTORS (127 HRS) INCLUDING: EVALUATIONS OF PLANT OPERATIONS, EQUIPMENT ALIGNMENTS AND READINESS, RADIATION PROTECTION, PHYSICAL SECURITY, FIRE PROTECTION, PLANT OPERATING RECORDS, MAINTENANCE AND MODIFICATIONS, SURVEILLANCE TESTING AND CALIBRATIONS, AND REPORTING TO THE NRC. NO VIOLATIONS WERE IDENTIFIED.

+ 50-245/82-07 - MAR 18-20: ROUTINE ANNOUNCED EMERGENCY PREPAREDNESS EXERCISE OBSERVATION, EVALUATION, AND INSPECTION. THE INSPECTION INVOLVED 218 HOURS BY A TEAM OF FOURTEEN NRC, REGION I, NRC HEADQUARTERS INSPECTORS AND CONTRACTORS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE PLANT HAS EXPERIENCED PERSISTENT MAIN CONDENSER TUBE LEAKAGE REQUIRING POWER REDUCTIONS ON APRIL 2-3, APRIL 9-10, APRIL 19, AND APRIL 24-25 FOR LEAK DETECTION AND REPAIR.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ FULL POWER OPERATION WITH EXCEPTION OF POWER REDUCTIONS ON APRIL 2-3, APRIL 9-10, APRIL 19, AND APRIL 24-25 FOR MAINTENANCE AND A REACTOR TRIP ON APRIL 13. REPRESENTATIVE STACK GAS RATE IS 210 MICROCURIES PER SECOND AND OFFGAS RATE IS 54,000 MICROCURIES PER SECOND.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-245/82-09 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-007/ 03L	03/15/82	04/02/82	SETPOINT DRIFT; 1 OF 4 ISOLATION CONDENSER HIGH STEAM FLOW PRESSURE SWITCHES
82-008/ 03L	03/18/82	04/16/82	INOPERABLE MAIN STEAM LINE DRAIN VALVE, INBOARD STOP VALVE FOR "B" TORUS SPRAY LINE, AND INBOARD STOP VALVE TO "B" DRYWELL SPRAY DUE TO MOISTURE IN MOTOR OPERATOR BREAKERS

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. PARILLO (203) 447-1791 X4419

4. Licensed Thermal Power (Mwt): 2700

5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 895

8. Maximum Dependable Capacity (Net MWe): 864

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>55,631.0</u>
13. Hours Reactor Critical	<u>680.4</u>	<u>1,164.4</u>	<u>39,751.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,076.9</u>
15. Hrs Generator On-Line	<u>612.4</u>	<u>985.4</u>	<u>37,986.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,570,359</u>	<u>2,379,298</u>	<u>94,795,245</u>
18. Gross Elec Ener (MWH)	<u>515,465</u>	<u>781,115</u>	<u>30,782,612</u>
19. Net Elec Ener (MWH)	<u>493,599</u>	<u>735,458</u>	<u>29,489,135</u>
20. Unit Service Factor	<u>85.2</u>	<u>34.2</u>	<u>68.3</u>
21. Unit Avail Factor	<u>85.2</u>	<u>34.2</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>79.5</u>	<u>29.6</u>	<u>62.9*</u>
23. Unit Cap Factor (DER Net)	<u>78.9</u>	<u>29.4</u>	<u>62.3*</u>
24. Unit Forced Outage Rate	<u>14.8</u>	<u>11.7</u>	<u>20.4</u>
25. Forced Outage Hours	<u>106.6</u>	<u>130.6</u>	<u>8,484.6</u>

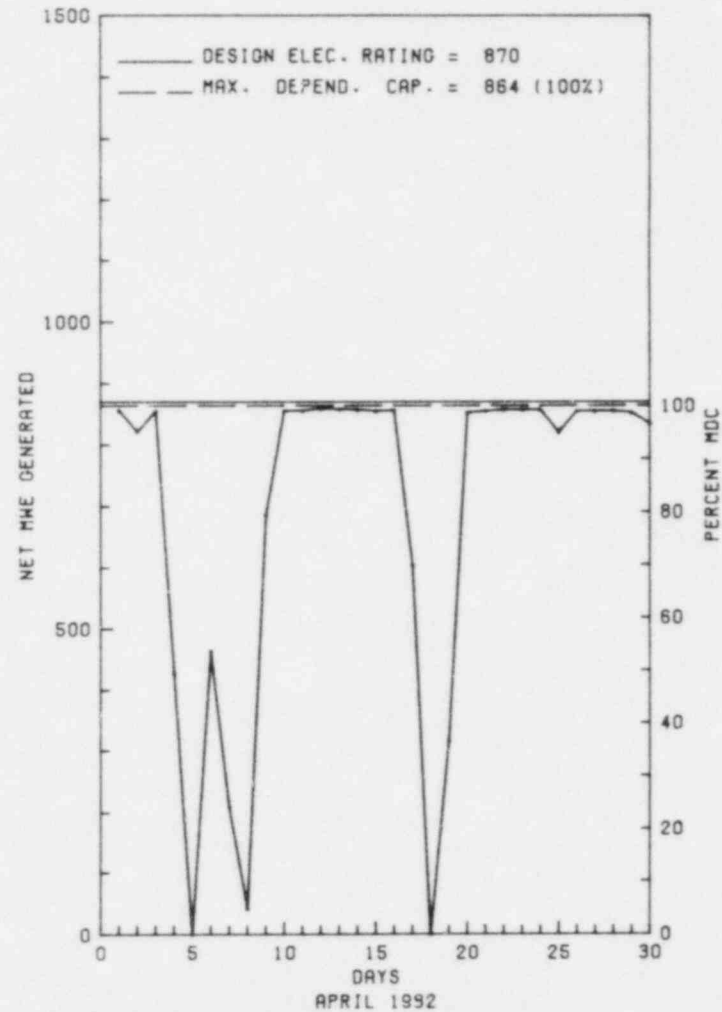
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/02/82	S	0.0	B	5				REDUCED POWER TO 95% TO PUT THIRD SERVICE WATER PUMP ON LINE.
4-5	04/04/82	F	27.7	A	3		HF	FILTER	TRIPPED FROM 100% POWER DUE TO SEAWEED CLOGGING THE WATER INTAKE SCREENS. CLEARED SEAWEED FROM SCREENS AND COMMENCED STARTUP VIA NORMAL OPERATION PROCEDURES. ON RECOVERY FROM 4/4/82 SCRAM, TRIPPED ON STARTUP FROM A TRIP CIRCUIT BREAKER BEING OPEN DESPITE A CLOSED SIGNAL. REPAIRED TCB CLOSURE MECHANISM AND RESUMED STARTUP PROCEDURES.
6	04/05/82	F	7.1	H	3		IA	INSTRU	TRIPPED ON STEAM GENERATOR LOW LEVEL FROM 15% POWER FOLLOWING RECOVERY FROM 4/4/82 TRIP.
7	04/07/82	F	34.0	A	1		HB	HTEXCH	INITIATED MANUAL SHUTDOWN FROM 100% POWER DUE TO PARTIALLY FAILED MANWAY GASKET ON 3B FEEDWATER HEATER. REMOVED AND REPLACED ALL SUCH GASKETS ON ALL FEEDWATER HEATERS CONTAINING SIMILAR GASKET MATERIAL AND COMMENCED NORMAL STARTUP OPERATIONS.
8	04/17/82	F	37.8	A	3		PA	BLOWER	TRIP FROM 100% POWER ON LOSS OF INSTRUMENT AIR. AIR LEAK WAS REPAIRED AND NORMAL STARTUP OPERATIONS WERE COMMENCED.
9	04/29/82	F	0.0	B	5		PA	BLOWER	REDUCED POWER TO 95% POWER TO PLUG CONDENSER TUBE LEAK IN "C" CONDENSER BAY.

 * SUMMARY *

 MILLSTONE 2 OPERATED WITH SEVERAL REDUCTIONS AND OUTAGES DURING APRIL.

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

* MILLSTONE 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ 50-336/82-05 - FEB 1-5: UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (40 HRS) INCLUDED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT, PERSONNEL, RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS (PROTECTED AREA, VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES, VEHICLES); DETECTION AIDS (PROTECTED AREA, VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; FOLLOW-UP ON PREVIOUSLY IDENTIFIED VIOLATIONS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO PROVIDE ASSESSMENT COVERAGE AS REQUIRED BY THE SECURITY PLAN; FAILURE TO CONTROL ACCESS IN ACCORDANCE WITH SECURITY PLAN REQUIREMENTS.

+ 50-336/82-07 - FEB 7 - MAR 27: ROUTINE FACILITY SAFETY INSPECTIONS BY TWO RESIDENT INSPECTORS (169 HRS) INCLUDING: EVALUATIONS OF PLANT OPERATIONS, EQUIPMENT ALIGNMENTS AND READINESS, RADIATION PROTECTION, PHYSICAL SECURITY, FIRE PROTECTION, PLANT OPERATING RECORDS, MAINTENANCE AND MOD-IFICATIONS SURVEILLANCE TESTING AND CALIBRATIONS, AND REPORTING TO THE NRC. NO VIOLATIONS WERE IDENTIFIED.

+ 50-336/82-09 - MAR 18-20: ROUTINE ANNOUNCED EMERGENCY PREPAREDNESS EXERCISE OBSERVATION, EVALUATION, AND INSPECTION. THE INSPECTION INVOLVED 218 HOURS BY A TEAM OF FOURTEEN NRC, REGION I, NRC HEADQUARTERS INSPECTORS & CONTRACTORS. NO VIOLATIONS WERE IDENTIFIED.

Report Period APR 1982

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

* MILLSTONE 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ FULL POWER OPERATION WITH EXCEPTION OF REACTOR TRIPS ON APRIL 4, APRIL 5, AND APRIL 17 AND OF A POWER REDUCTION TO HOT STANDBY ON APRIL 7 DUE TO A CONDENSATE SYSTEM LEAK.

LAST IE SITE INSPECTION DATE: 4/19-22/82 +

INSPECTION REPORT NO: 50-336/82-10 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L	03/04/82	04/02/82	ISOLATION OF 1 OF 2 POWER OPERATED PRIMARY RELIEF VALVE DUE TO VALVE LEAKAGE
82-006/ 03L	03/10/82	04/08/82	FAILURE OF 5 CONTAINMENT ISOLATION VALVES AND THE PERSONNEL ACCESS HATCH TO PASS TYPE B & C CONTAINMENT LEAK RATE TESTS
82-007/ 03L	03/18/82	04/15/82	INOPERABLE TURBINE DRIVEN AUXILIARY FEED PUMP DUE TO INTERNAL PUMP WEAR
82-009/ 01P		04/20/82	OPERATION WITHOUT REQUIRED NUMBER OF INDEPENDENT EMERGENCY CORE COOLING SUBSYSTEMS

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1. Docket: 50-263 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 1670

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

6. Design Electrical Rating (Net MWe): 545

7. Maximum Dependable Capacity (Gross MWe): 553

8. Maximum Dependable Capacity (Net MWe): 525

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>94,968.0</u>
13. Hours Reactor Critical	<u>626.7</u>	<u>2,437.0</u>	<u>77,372.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>599.7</u>	<u>2,359.4</u>	<u>75,569.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>920,071</u>	<u>3,760,459</u>	<u>123,442,801</u>
18. Gross Elec Ener (MWH)	<u>309,615</u>	<u>1,266,280</u>	<u>39,271,657</u>
19. Net Elec Ener (MWH)	<u>296,831</u>	<u>1,216,098</u>	<u>37,559,859</u>
20. Unit Service Factor	<u>83.4</u>	<u>82.0</u>	<u>79.6</u>
21. Unit Avail Factor	<u>83.4</u>	<u>82.0</u>	<u>79.6</u>
22. Unit Cap Factor (MDC Net)	<u>78.6</u>	<u>80.5</u>	<u>75.3</u>
23. Unit Cap Factor (DER Net)	<u>75.8</u>	<u>77.5</u>	<u>72.6</u>
24. Unit Forced Outage Rate	<u>11.8</u>	<u>4.0</u>	<u>6.1</u>
25. Forced Outage Hours	<u>80.0</u>	<u>97.4</u>	<u>1,270.9</u>

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

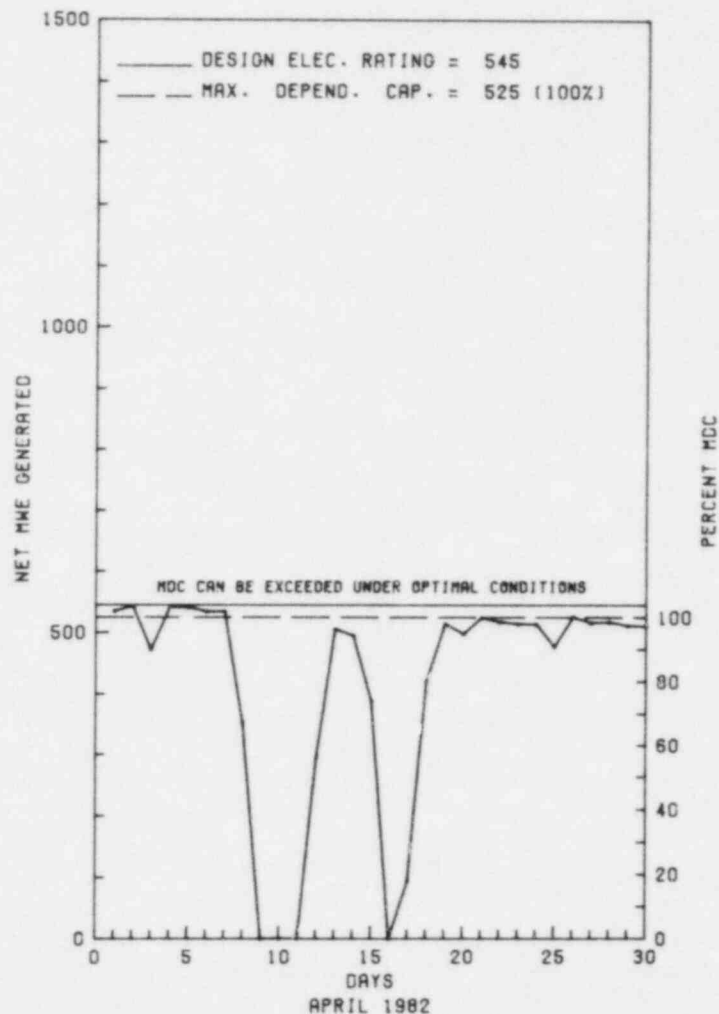
SEPTEMBER 4, 1982 - REFUELING OUTAGE - 42 DAYS

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

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	04/08/82	F	80.0	A	3		HA	GENERA	REACTOR SCRAM AFTER LOSS OF GENERATOR EXCITATION DUE TO FIELD FLASHING CIRCUITRY PROBLEMS.
5	04/15/82	S	39.3	A	1		CC	VALVEX	SCHEDULED ORDERLY SHUTDOWN TO REPAIR LEAKING SAFETY/RELIEF VALVE.

***** MONTICELLO OPERATED WITH 2 OUTAGES DUE TO EQUIPMENT FAILURE DURING APRIL.
 * SUMMARY *

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

* MONTICELLO *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....C. BROWN
LICENSING PROJ MANAGER....H. NICOLARAS
DOCKET NUMBER.....50-263
LICENSE & DATE ISSUANCE...DPR-22, JANUARY 9, 1981
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON DECEMBER 1 THROUGH FEBRUARY 26, (81-26): ROUTINE INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONS DURING MAINTENANCE OUTAGE; IE CIRCULAR AND INFORMATION NOTICE FOLLOWUP; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; AUDIT PROGRAM AND IMPLEMENTATION; FIRE PROTECTION; OFFSITE REVIEW COMMITTEE; EMERGENCY PREPAREDNESS; LOSS OF OFFSITE POWER; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 360 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 131 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 10 OF THE 11 AREAS INSPECTED. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (SURVEILLANCE NOT PERFORMED AT THE REQUIRED FREQUENCY).

INSPECTION ON MARCH 1-3, (82-04): ROUTINE, ANNOUNCED INSPECTION OF THE MONTICELLO NUCLEAR GENERATING PLANT FULL SCALE EMERGENCY EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 117 INSPECTOR-HOURS ON SITE BY SIX NRC INSPECTORS (TWO RESIDENT INSPECTORS) AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

A CRACK FOUND IN THE KEY WAY AREA OF THE 11TH STAGE WHEEL ON THE 'A' ROTOR OF THE LP TURBINE REQUIRED REMOVAL OF THE WHEEL. THE WHEEL WAS REPLACED WITH A PLATE TO PROVIDE THE PRESSURE DROP. WHEEL TO BE REPLACED AT A LATER DATE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 1-3, 1982

INSPECTION REPORT NO: 82-04

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

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NUMBER    DATE OF    DATE OF    SUBJECT
  EVENT    REPORT
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  NONE
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1. Docket: 50-220 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. HALLENBECK (315) 343-2110

4. Licensed Thermal Power (MWt): 1850

5. Nameplate Rating (Gross MWe): 755 X 0.85 = 642

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>109,535.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,874.0</u>	<u>81,309.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,872.5</u>	<u>78,562.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,421,093</u>	<u>129,374,307</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,169,791</u>	<u>42,743,091</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,134,758</u>	<u>41,392,651</u>
20. Unit Service Factor	<u>.0</u>	<u>65.0</u>	<u>71.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>65.0</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>64.6</u>	<u>61.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>63.6</u>	<u>61.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>31.8</u>	<u>9.1</u>
25. Forced Outage Hours	<u>719.0</u>	<u>873.0</u>	<u>3,225.7</u>

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

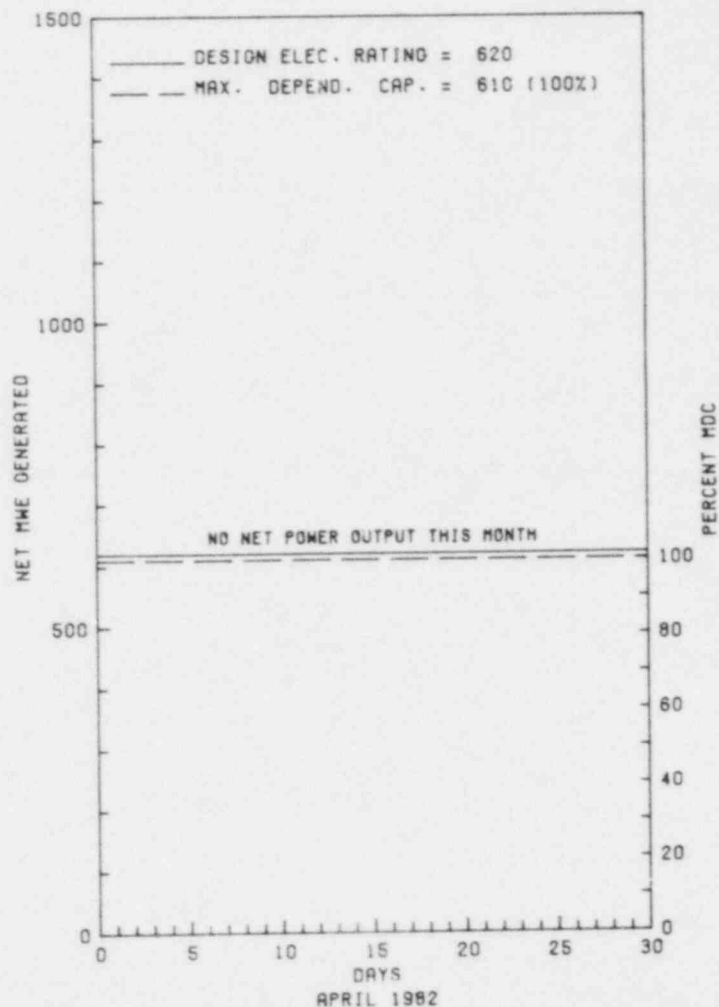
NONE

27. If Currently Shutdown Estimated Startup Date: 03/01/83

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8206	03/23/82	F	719.0	A	4			MAJOR REPAIRS CONTINUE ON RECIRC. PIPING, CORE OFFLOADED TO SFP.

* SUMMARY *

NINE MILE POINT 1 REMAINED SHUTDOWN IN A CONTINUING REPAIR OUTAGE.

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

* NINE MILE POINT 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER
CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202
CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER.....P. POLK
DOCKET NUMBER.....50-220
LICENSE & DATE ISSUANCE...DPR-63, DECEMBER 26, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

+ 50-220/82-03 - MAR 1-5: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (44 HRS) OF MAINTENANCE PROGRAM; IMPLEMENTATION OF MAINTENANCE PROGRAM; CORRECTIVE ACTION ON LICENSEE IDENTIFIED FINDINGS; AND HOUSEKEEPING AND CLEANLINESS PROGRAM. ONE VIOLATION WAS IDENTIFIED: FAILURE TO PROVIDE EFFECTIVE CORRECTIVE ACTION ON LICENSEE IDENTIFIED FINDINGS.

+ 50-220/82-04 - MAR 1 - APR 3: ROUTINE, ONSITE REGULAR AND BACK-SHIFT INSPECTIONS BY THE RESIDENT INSPECTORS (160 HRS). AREAS INSPECTED INCLUDED: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, PHYSICAL SECURITY, PLANT TOURS, SURVEILLANCE TESTS, SAFETY SYSTEM VERIFICATION, MAINTENANCE ACTIVITIES, REFUELING, FOLLOWUP, ON SIGNIFICANT EVENT, LICENSEE EVENT REPORTS, AND PERIODIC REPORTS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO IMPLEMENT CALIBRATION PROCEDURES AND FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

PRIMARY RECIRCULATION SYSTEM IS BEING REPLACED. A ONE YEAR OUTAGE IS ANTICIPATED.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT IS SHUTDOWN FOR REPLACEMENT OF 10 REACTOR VESSEL SAFE ENDS. THE CORE IS OFF LOADED.

LAST IE SITE INSPECTION DATE: 4/26-30/82 +

INSPECTION REPORT NO: 50-220/82-06 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-008/ 01T	03/17/82	03/30/82	POTENTIAL PATH FOR REACTOR STEAM FROM EMERG. CONDENSER STEAM LINE VENTS TO ATMOSPHERE COULD RESULT IF EMERG. CONDENSER TUBE LEAKS OCCUR & OPERATOR ACTION IS NOT TAKEN

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1. Docket: 50-338 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: L. ROGERS (703) 894-5151

4. Licensed Thermal Power (MWc): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWc): 918

8. Maximum Dependable Capacity (Net MWe): 865

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>34,200.0</u>
13. Hours Reactor Critical	<u>701.9</u>	<u>2,840.4</u>	<u>26,668.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>21.5</u>	<u>248.4</u>
15. Hrs Generator On-Line	<u>692.2</u>	<u>2,818.4</u>	<u>26,171.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,721,526</u>	<u>7,477,775</u>	<u>67,792,027</u>
18. Gross Elec Ener (MWH)	<u>547,329</u>	<u>2,352,514</u>	<u>21,638,036</u>
19. Net Elec Ener (MWH)	<u>514,717</u>	<u>2,261,084</u>	<u>20,384,000</u>
20. Unit Service Factor	<u>96.3</u>	<u>97.9</u>	<u>76.5</u>
21. Unit Avail Factor	<u>96.3</u>	<u>97.9</u>	<u>76.5</u>
22. Unit Cap Factor (MDC Net)	<u>82.8</u>	<u>90.8</u>	<u>68.9</u>
23. Unit Cap Factor (DER Net)	<u>78.9</u>	<u>86.6</u>	<u>65.7</u>
24. Unit Forced Outage Rate	<u>3.7</u>	<u>2.1</u>	<u>6.7</u>
25. Forced Outage Hours	<u>26.8</u>	<u>60.6</u>	<u>1,786.0</u>

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

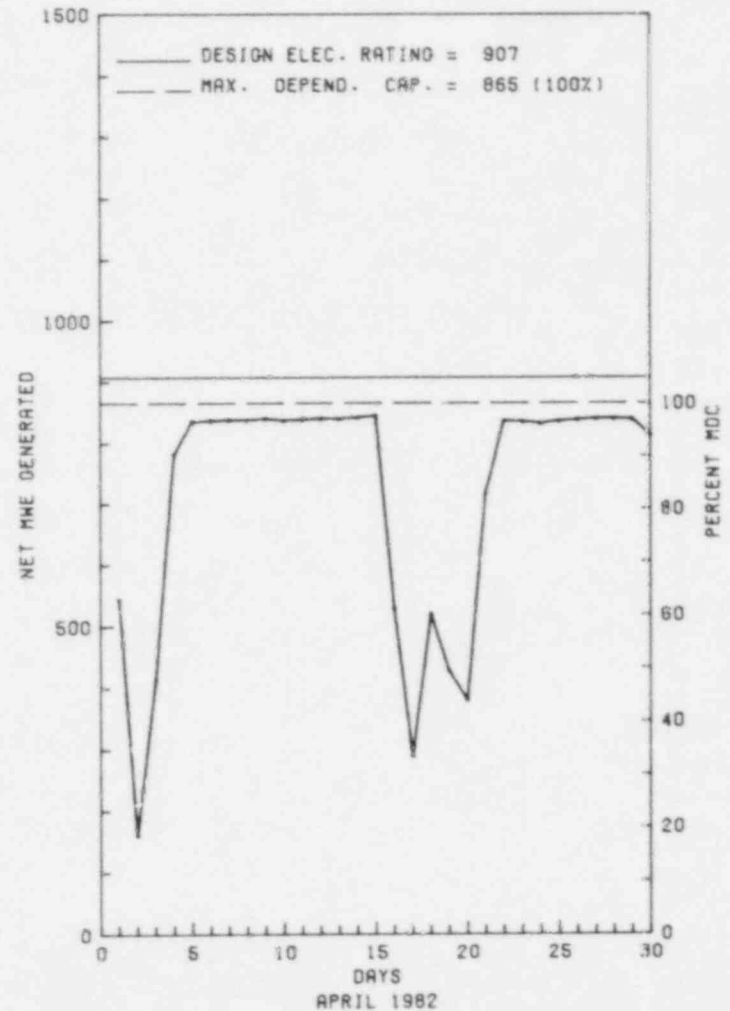
REFUELING OUTAGE 05-21-82 THRU 07-03-82

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

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-05	04/01/82	F	13.5	G	3				REACTOR TRIP DUE TO VOLTAGE SPIKE ON N-41 WITH N-44 IN TRIP.
82-06	04/16/82	F	8.5	G	2				MANUAL REACTOR TRIP DUE TO LOSS OF CIRCULATING WATER PUMPS.
82-07	04/19/82	F	4.8	A	3				REACTOR TRIP DUE TO VOLTAGE SPIKE WHILE ADJUSTING N-43 WITH N-44 IN TRIP.

 * SUMMARY *

 NORTH ANNA 1 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING APRIL.

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

* NORTH ANNA 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6 - MARCH 5 (82-07): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORTS, SURVEILLANCE AND MAINTENANCE ACTIVITIES, AND PLANT OPERATIONS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 22-26 (82-10): THIS INSPECTION INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS, PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE REGION II SECURITY INSPECTOR WAS ACCOMPANIED BY O. S. CHAMBERS AND N. E. ERVIN, PHYSICAL SECURITY SPECIALISTS, OPERATING REACTOR PROGRAM BRANCH, I.E., WHO ACTIVELY PARTICIPATED IN THE INSPECTION. THE INSPECTION INVOLVED 51 INSPECTOR-HOURS ON SITE BY 3 NRC INSPECTORS. TWELVE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN 20 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 6 - MAY 5, 1982 +

INSPECTION REPORT NO: 50-338/82-13 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
80-055/ 01X-1	06/26/80	03/24/81	NONCONSERVATIVE BORON DILUTIONS USED FOR COLD SHUTDOWN CONDITION
82-003/ 03L-0	02/01/82	03/01/82	FIRE DOOR BETWEEN ROD DRIVE ROOM AND OUTSIDE WOULD NOT LATCH
82-007/ 03L-0	02/14/82	03/15/82	FIRE DOOR S71-7 INOPERABLE
82-008/ 01T-0	03/29/82	04/07/82	UNQUALIFIED LATCHES INSTALLED ON SOME OF THE RELAYS IN THE SOLID STATE PROTECTION SYSTEM
82-009/ 03L-0	02/16/82	03/10/82	ELECTRIC FIRE PUMP TAGGED OUT
82-010/ 03L-0	02/23/82	03/17/82	REACTOR COOLANT DOSE EQUIVALENT 1-131 GREATER THAN LIMIT SPECIFIED
82-011/ 03L-0	02/23/82	03/15/82	AXIAL FLUX DIFFERENCE DEVIATED GREATER THAN 5 PERCENT

82-012/ 03L-0	03/23/82	03/16/82	EMERGENCY CONDENSATE STORAGE TANK DROPPED BELOW MINIMUM
82-014/ 03L-0	03/21/82	04/12/82	FLOW PATH FROM BORIC ACID TANKS TO REACTOR COOLANT SYSTEM OUT OF SERVICE
82-015/ 03L-0	03/25/82	04/07/82	HIGH LEAKAGE FROM PACKING ON PRESSURIZER PRESSURE AND LEVEL INSTRUMENT ISOLATION VALVE

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: L. ROGERS (703) 894-5151

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 939

8. Maximum Dependable Capacity (Net MWe): 890

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>12,071.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,481.7</u>	<u>8,896.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>46.4</u>	<u>1,679.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,437.1</u>	<u>8,667.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,727,404</u>	<u>22,519,037</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,233,691</u>	<u>7,570,923</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,171,660</u>	<u>7,174,076</u>
20. Unit Service Factor	<u>.0</u>	<u>49.9</u>	<u>71.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>49.9</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>45.7</u>	<u>66.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>44.9</u>	<u>65.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.1</u>	<u>17.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>109.9</u>	<u>1,785.0</u>

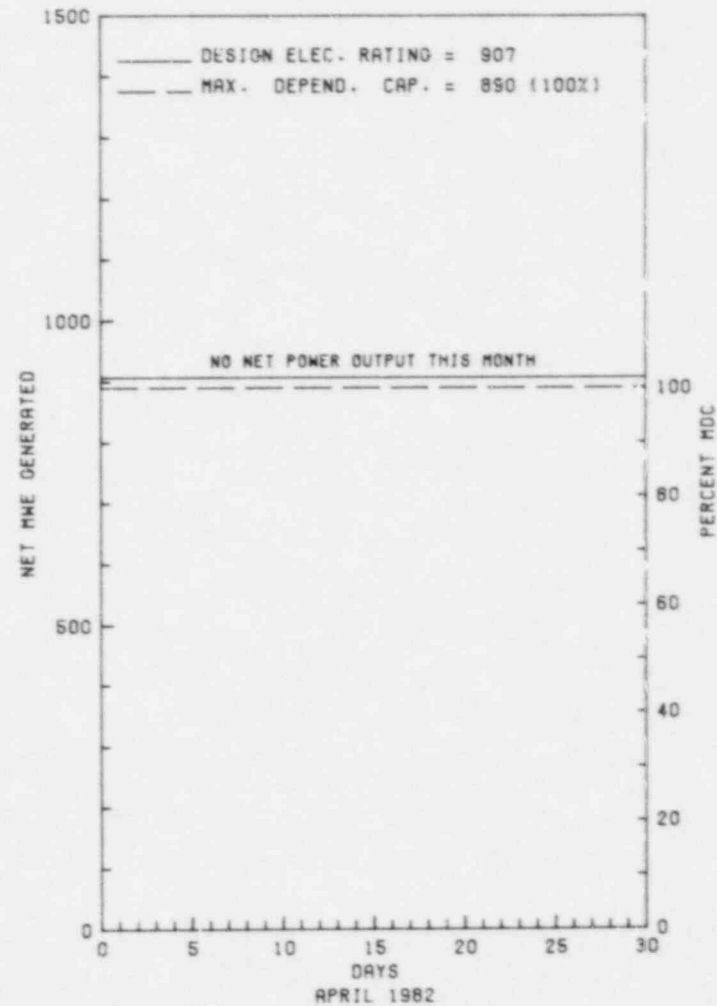
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
FALL MAINTENANCE OUTAGE 10-15-82 THRU 10-25-82

27. If Currently Shutdown Estimated Startup Date: 05/18/82

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
82-09	03/07/82	S	719.0	C	4		RC FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

NORTH ANNA 2 REMAINED SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. JOHNSON
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE...NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6 - MARCH 5 (82-07): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORTS, SURVEILLANCE AND MAINTENANCE ACTIVITIES, AND PLANT OPERATIONS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 22-26 (82-10): THIS INSPECTION INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS, PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE REGION II SECURITY INSPECTOR WAS ACCOMPANIED BY D. S. CHAMBERS AND N. E. ERVIN, PHYSICAL SECURITY SPECIALISTS, OPERATING REACTOR PROGRAM BRANCH, I.E., WHO ACTIVELY PARTICIPATED IN THE INSPECTION. THE INSPECTION INVOLVED 51 INSPECTOR-HOURS ON SITE BY 3 NRC INSPECTORS. TWELVE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN 20 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING ON MARCH 6.

LAST IE SITE INSPECTION DATE: APRIL 6 - MAY 5, 1982 +

INSPECTION REPORT NO: 50-339/82-13 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L-0	02/22/82	03/15/82	2J DIESEL GENERATOR FIRE DOOR 571-6 INOPERABLE
82-007/ 03L-0	03/12/82	03/31/82	BOTH EMERGENCY DIESEL GENERATORS 2H AND 2J WERE INOPERABLE
82-008/ 01T-0	03/07/82	03/17/82	POWER RESTORED TO THREE ACCUMULATORS ISOLATION VALVES AND TRIPPED
82-009 03L-0	03/08/82	03/31/82	PRESSURIZER POWER OPERATED RELIEF VALVES DECLARED INOPERABLE BECAUSE OF LOW NITROGEN PRESSURE
82-012/ 03L-0	03/13/82	03/31/82	FIRE DOOR M80-2 BETWEEN ROD CONTROL ROOM AND THE OUTSIDE WOULD NOT CLOSE
82-014/ 01T-0	03/29/82	04/07/82	UNQUALIFIED LATCHES INSTALLED ON SOME OF THE RELAYS IN THE SOLID STATE PROTECTION SYSTEM
82-016/ 03L-0	03/23/82	04/14/82	LOWER MAIN BEARING N014 FOUND SCORED ON EMERGENCY DIESEL 2-EE-EG-1J

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1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. A. Reavis (704) 373-8552

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>77,064.0</u>
13. Hours Reactor Critical	<u>692.3</u>	<u>1,523.1</u>	<u>52,578.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>673.0</u>	<u>1,317.1</u>	<u>49,560.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,659,499</u>	<u>3,022,979</u>	<u>116,480,751</u>
18. Gross Elec Ener (MWH)	<u>580,720</u>	<u>1,050,340</u>	<u>40,526,690</u>
19. Net Elec Ener (MWH)	<u>553,259</u>	<u>971,184</u>	<u>38,315,360</u>
20. Unit Service Factor	<u>93.6</u>	<u>45.7</u>	<u>64.3</u>
21. Unit Avail Factor	<u>93.6</u>	<u>45.7</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>89.5</u>	<u>39.2</u>	<u>57.6*</u>
23. Unit Cap Factor (DER Net)	<u>86.8</u>	<u>38.0</u>	<u>56.1*</u>
24. Unit Forced Outage Rate	<u>6.4</u>	<u>54.3</u>	<u>19.9</u>
25. Forced Outage Hours	<u>46.0</u>	<u>1,561.9</u>	<u>11,327.8</u>

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

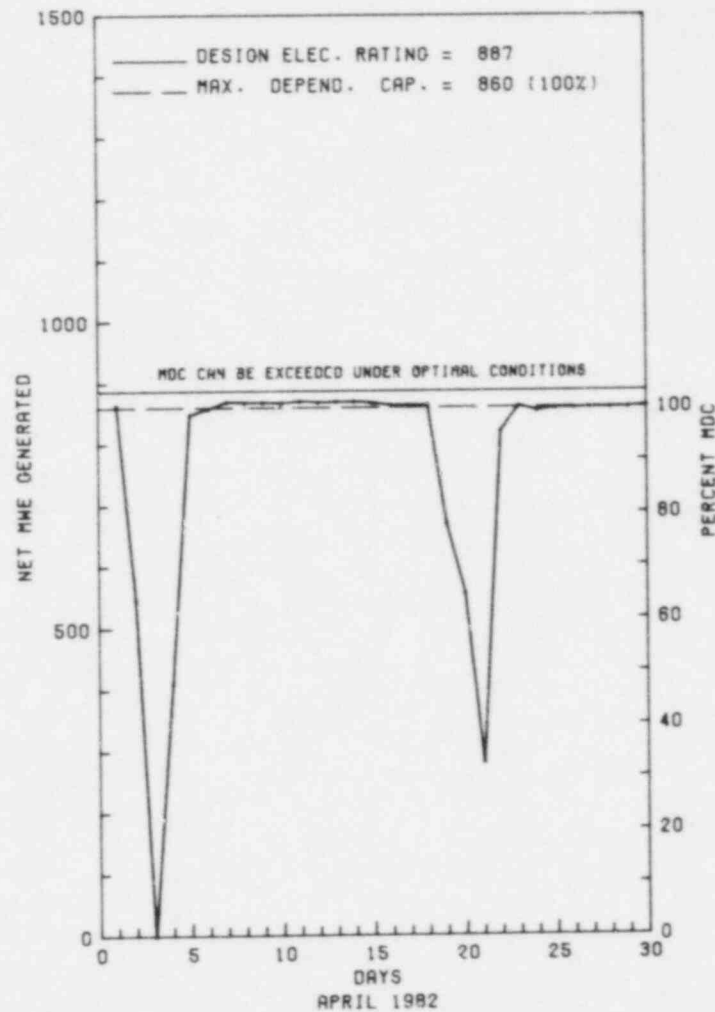
NONE

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

 * OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	04/02/82	F	36.3	A	3		RB	CRDRVE	REACTOR TRIPPED WHEN A CONTROL PROBLEM ALLOWED THE GROUP #6 RODS TO DROP INTO CORE.
4-P	04/19/82	F	0.0	A	5		CB	MOTORX	THE LAL RCP (REACTOR COOLANT PUMP) WAS REMOVED FROM SERVICE DUE TO OIL LEVEL LOW ALARM ON THE MOTOR LOWER BEARING OIL POT.
13	04/20/82	F	9.7	A	1		CB	MOTORX	UNIT WAS REMOVED FROM SERVICE AND REACTOR AT HOT SHUTDOWN TO ADD OIL TO THE LAL RCP MOTOR LOWER OIL POT.

 * SUMMARY *

 OCONEE 1 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DUE TO EQUIPMENT FAILURE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCOHEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE...JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER....P. WAGNER
DOCKET NUMBER.....50-269
LICENSE & DATE ISSUANCE...DPR-38, FEBRUARY 6, 1973
PUBLIC DOCUMENT ROOM.....OCOHEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 10 - MARCH 10 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 58 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND STATION MODIFICATIONS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN ONE AREA (VIOLATION - FAILURE TO FOLLOW PROCEDURE IN CALCULATING RADIOACTIVE DISCHARGE; VIOLATION - OPERATION WITH AXIAL POWER SHAPING RODS IN VIOLATION OF SPECIFICATION POSITION LIMITS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - MARCH 10, 1982

INSPECTION REPORT NO: 50-269/82-09

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 01T-0	02/22/82	03/12/82	GROUP 8 AXIAL POWER SHAPING RODS OPERATED WITHIN THE RESTRICTED REGION
82-009/ 01T-0	03/29/82	04/09/82	REACTOR BUILDING HYDROGEN ANALYZER SYSTEM DIFFERENTIAL PRESSURE REGULATOR RUPTURED DIAPHRAGMS

1. Docket: 50-270 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. A. Reavis (704) 373-8552

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>66,984.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>46,208.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>45,228.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>106,034,811</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>36,076,786</u>
19. Net Elec Ener (MWH)	<u>-4,705</u>	<u>-10,314</u>	<u>34,222,534</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>67.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>67.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>59.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>57.7*</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>17.7</u>
25. Forced Outage Hours	<u>54.0</u>	<u>54.0</u>	<u>8,895.0</u>

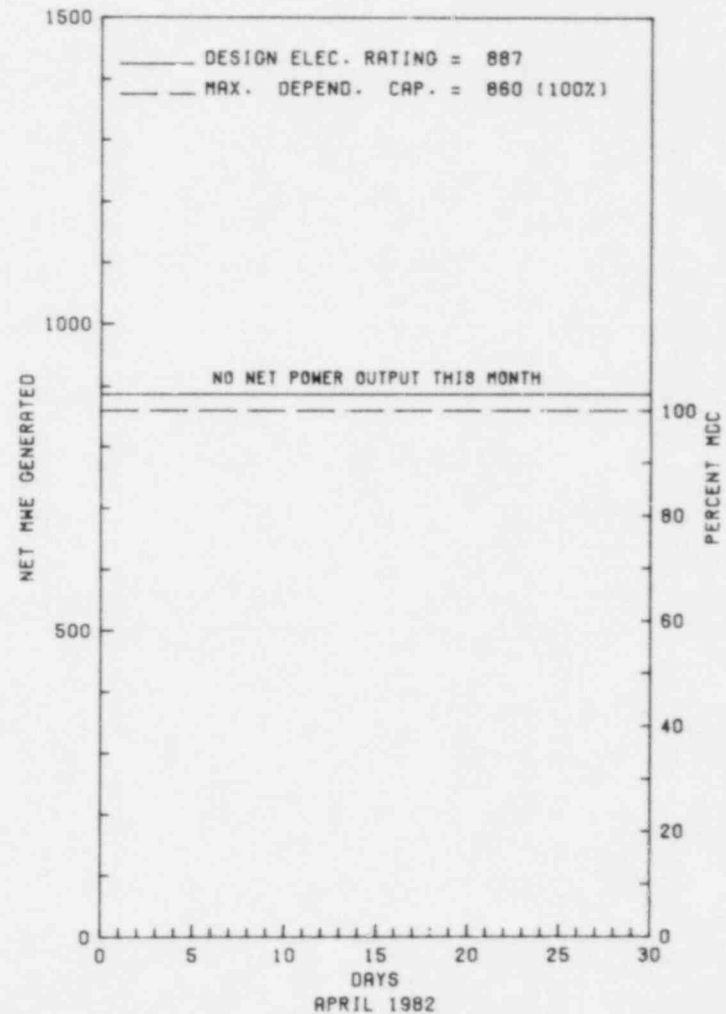
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/20/82

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 2 *

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
1B	12/28/81	S	665.0	C	4		RC	FUELXX	SCHEDULED REFUELING/10 YR. ISI/NRC NSM'S IN PROGRESS. HPI NOZZLE REPAIR IN PROGRESS.
1C	04/28/82	F	54.0	A	9		ZZ	ZZZZZ	CONTAINMENT SECONDARY SHIELDING WALL TENDON REPLACEMENT.

* SUMMARY *

OCONEE 2 REMAINED SHUTDOWN IN AN ONGOING REFUELING/MAINTENANCE OUTAGE.

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

* OCONEE 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 9, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-270
LICENSE & DATE ISSUANCE...DPR-47, OCTOBER 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 10 - MARCH 10 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 59 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND STATION MODIFICATIONS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN ONE AREA (VIOLATION - FAILURE TO FOLLOW PROCEDURE IN CALCULATING RADIOACTIVE DISCHARGE; VIOLATION - OPERATION WITH AXIAL POWER SHAPING RODS IN VIOLATION OF SPECIFICATION POSITION LIMITS).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.8.6 REQUIRES IN PART THAT THE EQUIPMENT HATCH COVER BE IN PLACE WITH MINIMUM OF FOUR BOLTS SECURING THE COVER TO THE SEALING SURFACE DURING THE HANDLING OF IRRADIATED FUEL. CONTRARY TO THAT REQUIREMENT, ON JANUARY 17, 1982, FOR A PERIOD OF 14 HOURS, FUEL HANDLING TRANSPIRED ON OCONEE UNIT TWO WITH THE EQUIPMENT HATCH UNSECURED.
(8204 5)

OTHER ITEMS

Report Period APR 1982

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

* OCONEE 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - MARCH 10, 1982

INSPECTION REPORT NO: 50-270/82-09

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

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1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. A. Reavis (704) 373-8552

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 849

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period hrs	<u>719.0</u>	<u>2,879.0</u>	<u>64,631.0</u>
13. Hours Reactor Critical	<u>556.2</u>	<u>1,709.6</u>	<u>47,023.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>555.3</u>	<u>1,702.4</u>	<u>46,019.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,412,675</u>	<u>4,322,647</u>	<u>111,841,385</u>
18. Gross Elec Ener (MWH)	<u>489,550</u>	<u>1,494,110</u>	<u>38,640,924</u>
19. Net Elec Ener (MWH)	<u>467,902</u>	<u>1,423,652</u>	<u>36,775,128</u>
20. Unit Service Factor	<u>77.2</u>	<u>59.1</u>	<u>71.2</u>
21. Unit Avail Factor	<u>77.2</u>	<u>59.1</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>75.7</u>	<u>57.5</u>	<u>65.9*</u>
23. Unit Cap Factor (DER Net)	<u>73.4</u>	<u>55.7</u>	<u>64.2*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>37.3</u>	<u>16.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,012.9</u>	<u>8,997.2</u>

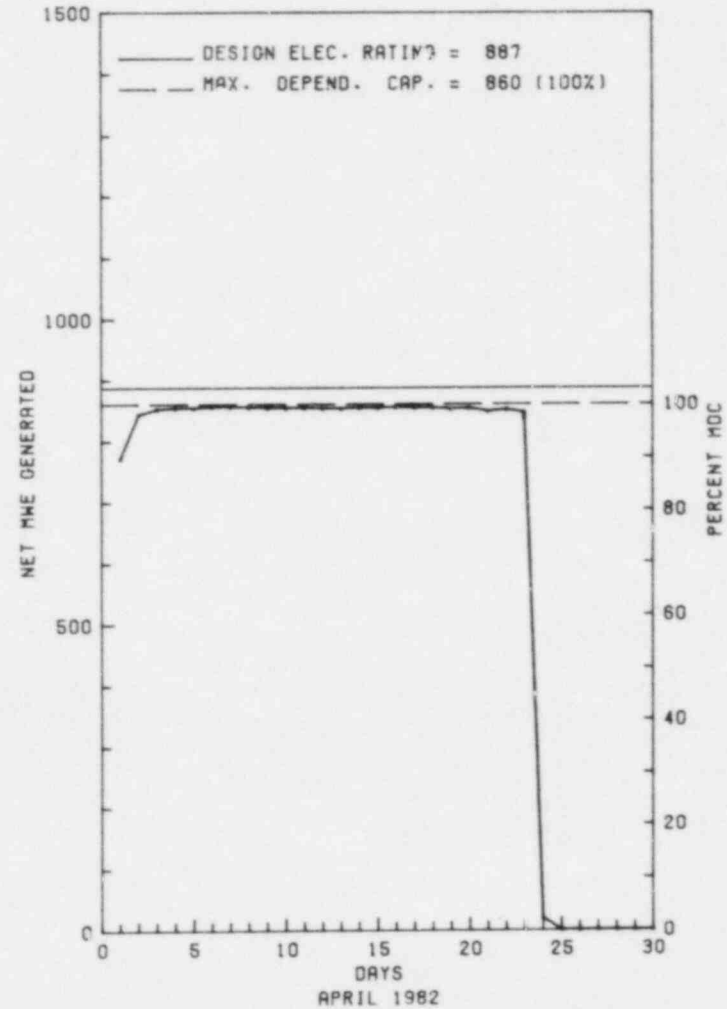
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/01/82

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/24/82	S	163.7	C	1		RC	FUELXX	SCHEDULED REFUELING/10 YR. ISI/NRC NSM'S. STEAM GENERATOR AUXILIARY FEED RING INSPECTION IS ALSO IN PROGRESS.

* SUMMARY *

OCONEE 3 SHUTDOWN APRIL 24TH FOR A REFUELING/MAINTENANCE OUTAGE.

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

* OCONEE 3 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-287
LICENSE & DATE ISSUANCE...DPR-55, JULY 19, 1974
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 10 - MARCH 10 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 59 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND STATION MODIFICATIONS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN ONE AREA (VIOLATION - FAILURE TO FOLLOW PROCEDURE IN CALCULATING RADIOACTIVE DISCHARGE; VIOLATION - OPERATION WITH AXIAL POWER SHAPING RODS IN VIOLATION OF SPECIFICATION POSITION LIMITS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - MARCH 10, 1982

INSPECTION REPORT NO: 50-287/82-09

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-004/ 03L-0	02/26/82	03/12/82	3A2 HIGH PRESSURE INJECTION NORMAL MAKEUP NOZZLE THERMAL SLEEVE TACK WELD BROKEN

=====

1. Docket: 50-219 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: JOHN B. SKLAR (609)693-6013

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 687.5 X 0.9 = 619

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

10. Power Level To Which Restricted, If Any (Net MWe): 400

11. Reasons for Restrictions, If Any:
CONDENSATE PUMP AVAILABILITY

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>108,287.0</u>
13. Hours Reactor Critical	<u>396.1</u>	<u>396.1</u>	<u>78,372.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
15. Hrs Generator On-Line	<u>340.6</u>	<u>340.6</u>	<u>76,550.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>428,300</u>	<u>428,300</u>	<u>129,019,329</u>
18. Gross Elec Ener (MWH)	<u>132,460</u>	<u>132,460</u>	<u>43,818,435</u>
19. Net Elec Ener (MWH)	<u>124,290</u>	<u>124,290</u>	<u>42,191,728</u>
20. Unit Service Factor	<u>47.4</u>	<u>11.8</u>	<u>70.7</u>
21. Unit Avail Factor	<u>47.4</u>	<u>11.8</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>27.9</u>	<u>7.0</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>26.6</u>	<u>6.6</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>52.6</u>	<u>88.2</u>	<u>11.7</u>
25. Forced Outage Hours	<u>378.4</u>	<u>2,538.4</u>	<u>8,171.0</u>

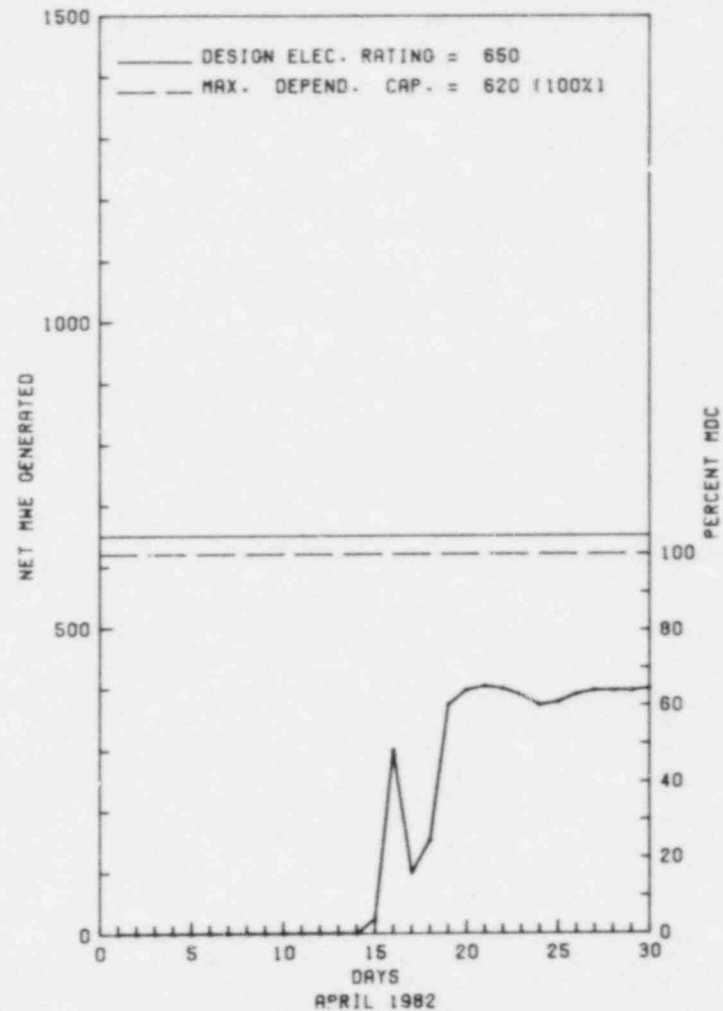
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
22	12/09/81	F	353.4	B	4		ZZ	ZZZZZZ	COMPLETE MAINTENANCE AND TESTING.
23	04/17/82	F	25.0	G	3		ZZ	ZZZZZZ	THE OFF GAS SYSTEM ABSOLUTE FILTER BECAME SATURATED CAUSING A CONDENSER LOW VACUUM SCRAM.

* SUMMARY *

OYSTER CREEK 1 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 3, 1969

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

DATE COMMERCIAL OPERATE...DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...BARNEGAT BAY

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION

CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. THOMAS

LICENSING PROJ MANAGER.....J. LOMBARDO
DOCKET NUMBER.....50-219

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

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
15 HOOPER AVENUE
TOMS RIVER, NEW JERSEY 08753

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

INSPECTION SUMMARY

- + 50-219/80-17 - MAY 12-23, 1980: SPECIAL HEALTH PHYSICS APPRAISAL BY FOUR REGION-BASED INSPECTORS TO EVALUATE THE OVERALL ADEQUACY AND EFFECTIVENESS OF RADIATION PROTECTION. THE EVALUATION INCLUDED OBSERVATIONS OF WORK PRACTICES, REVIEWS OF SELECTED PROCEDURES AND RECORDS, AND INTERVIEWS WITH STATION, CORPORATE AND CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.
- + 50-219/81-21 - NOV 3 - DEC 31: ROUTINE INSPECTION BY THE RESIDENT INSPECTOR (85 HRS) AND ONE REGION-BASED INSPECTOR (15 HRS) OF: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF PLANT OPERATIONS, LOG AND RECORD REVIEW, SURVEILLANCE TESTING, REVIEW OF LICENSEE ACTION ON ISOLATION CONDENSER VALVE FAILURES. NO VIOLATIONS WERE IDENTIFIED.
- + 50-219/82-05 - FEB 8-12 - 16-19: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION-BASED INSPECTOR (46 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND PERFORMANCE OF DESIGN CHANGES AND MODIFICATIONS. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO ESTABLISH ADMINISTRATIVE PROCEDURES; FAILURE TO REPORT FACILITY CHANGES TO THE NRC; FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION ON AUDIT FINDING.
- + 50-219/82-08 - MAR 2-17: ROUTINE INSPECTION BY THE RESIDENT INSPECTOR (22 HRS) OF THE CIRCUMSTANCES SURROUNDING THE IMPROPER ASSEMBLY OF ONE REACTOR BUILDING TO SUPPRESSION CHAMBER AIR OPERATED VACUUM BREAKER. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT WAS STARTED UP ON APRIL 12 AFTER BEING SHUTDOWN FOR FOUR MONTHS FOR MAINTENANCE. THE PLANT TRIPPED ON APRIL 13 DUE TO INADVERTENT CLOSURE OF THE MAIN STEAM ISOLATION VALVES AND WAS RESTARTED THE SAME DAY. A CONTROLLED SHUTDOWN WAS CONDUCTED APRIL 14 TO REPAIR STEAM LEAKS AND RESTART WAS ACCOMPLISHED THE FOLLOWING DAY. THE PLANT TRIPPED ON APRIL 17 DUE TO LOSS OF CONDENSER VACUUM CAUSED BY FLOODING OF THE OFFGAS LINE. THE PLANT WAS RESTARTED APRIL 18 AND REMAINED AT A NOMINAL 67 PERCENT POWER. POWER IS LIMITED BY THE UNAVAILABILITY OF ONE OF THREE CONDENSATE PUMPS.

LAST IE SITE INSPECTION DATE: 4/8-14/82 +

INSPECTION REPORT NO: 50-219/82-11 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-013/ 03L	01/28/82	03/29/82	LOW VOLTAGE ANNUNCIATOR RELAY SETTINGS FOR THE MAIN STATION AND DIESEL GENERATOR BATTERIES WERE LOWER THAN SPECIFIED
82-015/ 03L	03/15/82	04/14/82	DELAY TIME FOR AIR EJECTOR ISOLATION VALVE CLOSURE FOUND TO BE GREATER THAN VALUE GIVEN IN TECH SPEC

1. Docket: 50-255 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DOROTHY PETERSON (616) 764-8913

4. Licensed Thermal Power (MWt): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>90,854.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,223.8</u>	<u>49,947.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>891.6</u>	<u>47,096.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,798,560</u>	<u>93,205,824</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>558,890</u>	<u>28,786,840</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>522,105</u>	<u>27,035,038</u>
20. Unit Service Factor	<u>.0</u>	<u>31.0</u>	<u>51.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>31.0</u>	<u>51.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>28.6</u>	<u>46.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>22.5</u>	<u>37.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>69.0</u>	<u>74.2</u>
25. Forced Outage Hours	<u>719.0</u>	<u>1,987.4</u>	<u>10,453.7</u>

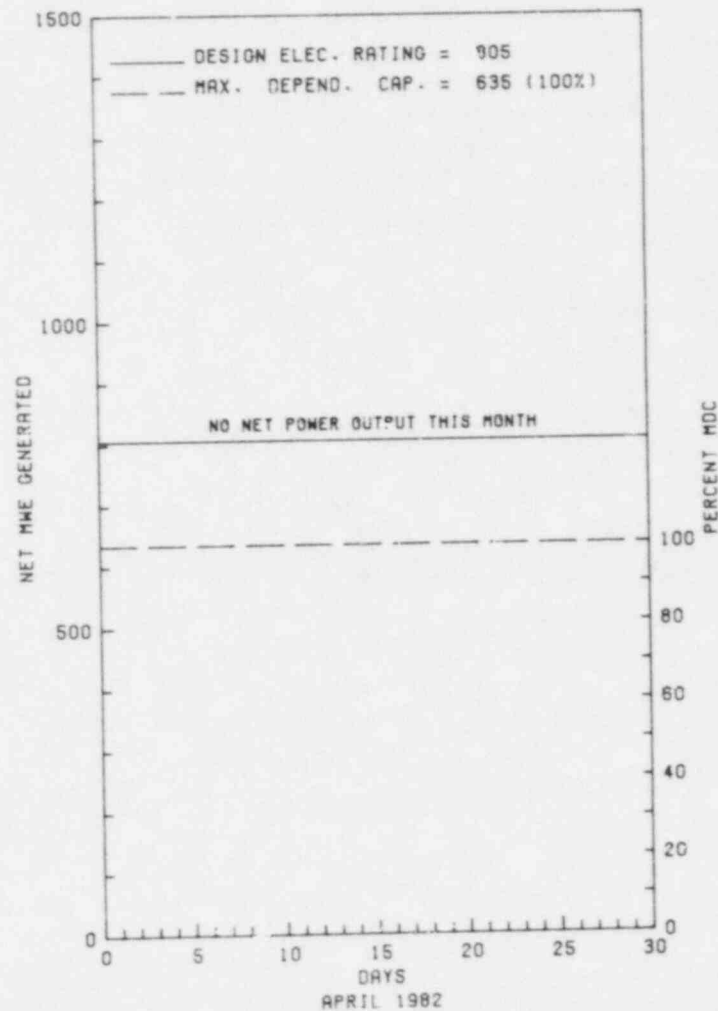
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/09/82

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8	03/23/82	F	719.0	A	4	82-12		STEAM GENERATOR TUBE LEAKAGE CONTINUES.

* SUMMARY *

PALISADES REMAINED SHUTDOWN IN A CONTINUING REPAIR OUTAGE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....VANBUREN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 24, 1971
DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971
DATE COMMERCIAL OPERATE...DECEMBER 31, 1971
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....B. JORGENSEN
LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255
LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972
PUBLIC DOCUMENT ROOM.....KALAMAZOO PUBLIC LIBRARY
315 SOUTH ROSE STREET
REFERENCE DEPARTMENT
KALAMAZOO, MICHIGAN 49006

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 22-23 AND MARCH 5, (82-03): ROUTINE, ANNOUNCED INSPECTION AND OBSERVATION OF AN EMERGENCY EXERCISE INVOLVING AN INTEGRATED RESPONSE FROM THE STATE OF MICHIGAN (SMALL SCALE) AND VARIOUS LOCAL COUNTIES. AREAS OBSERVED INCLUDED: COMMAND AND CONTROL OF THE CONTROL ROOM; TECHNICAL SUPPORT CENTER; OPERATIONS SUPPORT CENTER; INTERIM AND NEAR-SITE EMERGENCY OPERATIONS FACILITY; AND POST-ACCIDENT SAMPLING AND SURVEYS. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS. SIGNIFICANT PROBLEMS REGARDING: SCENARIO DEVELOPMENT, APPROVAL AND IMPLEMENTATION; MANAGEMENT CONTROL OF THE OSC; TIMELY ACTIVATION OF THE EOF; AND TRAINING OF THE EMERGENCY ORGANIZATION WERE IDENTIFIED.

INSPECTION ON MARCH 15-19, (82-07): THE INSPECTOR REVIEWED SURVEILLANCE PROCEDURES; SURVEILLANCE TEST RESULTS; PROCEDURES FOR INSERVICE TESTING OF PUMPS AND VALVES; INSERVICE TEST RESULTS; OTHER REQUIRED DOCUMENTATION FOR THE INSERVICE TESTING PROGRAM; AND DOCUMENTATION USED FOR INSERVICE TEST MEASUREMENTS. THE INSPECTION CONSISTED OF 36 INSPECTOR-HOURS BY ONE NRC INSPECTOR. OF SEAS INSPECTED, ONE ITEM OF NONCOMPLIANCE AND TWO OPEN ITEMS WERE IDENTIFIED: FAILURE TO PERIODICALLY CALIBRATE HYDROMETERS TO MEASURE SPECIFIC GRAVITY OF ELECTROLYTE IN STATION BATTERY CELLS; APPLICATION OF ASME CODE, SECTION XI, 1977 EDITION AND ADDENDA THROUGH SUMMER OF 1979 FOR INSERVICE TESTING OF PUMPS AND VALVES; IMPLEMENTATION OF REVISED INSERVICE TEST PROGRAM WITHOUT WRITTEN NRC APPROVAL OF REQUESTS FOR RELIEF FROM THE REQUIREMENTS OF 10 CFR 50.55A(G).

INSPECTION ON APRIL 6, (82-09): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF NINE INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

THE TECHNICAL SUPPORT CENTER WAS DETERMINED TO BE INADEQUATE AS A RESULT OF THE EXERCISE (82-03). A NEW TSC NEAR THE CONTROL ROOM IS BEING PROPOSED BY THE LICENSEE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS SHUT DOWN. STARTUP IS IMMINENT.

LAST IE SITE INSPECTION DATE: APRIL 6, 1982

INSPECTION REPORT NO: 82-09

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-11/ 01T-0	04/12/82	04/26/82	MATERIAL AND TESTING CERTIFICATIONS COULD NOT BE LOCATED FOR FOUR PIECES OF PIPE.

=====

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>68,567.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,182.0</u>	<u>50,925.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,167.1</u>	<u>49,623.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,143,292</u>	<u>144,366,608</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,009,650</u>	<u>47,513,420</u>
19. Net Elec Ener (MWH)	<u>-4,056</u>	<u>961,361</u>	<u>45,552,096</u>
20. Unit Service Factor	<u>.0</u>	<u>40.5</u>	<u>72.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>40.5</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>31.8</u>	<u>63.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>31.4</u>	<u>62.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.7</u>	<u>8.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>32.8</u>	<u>4,299.3</u>

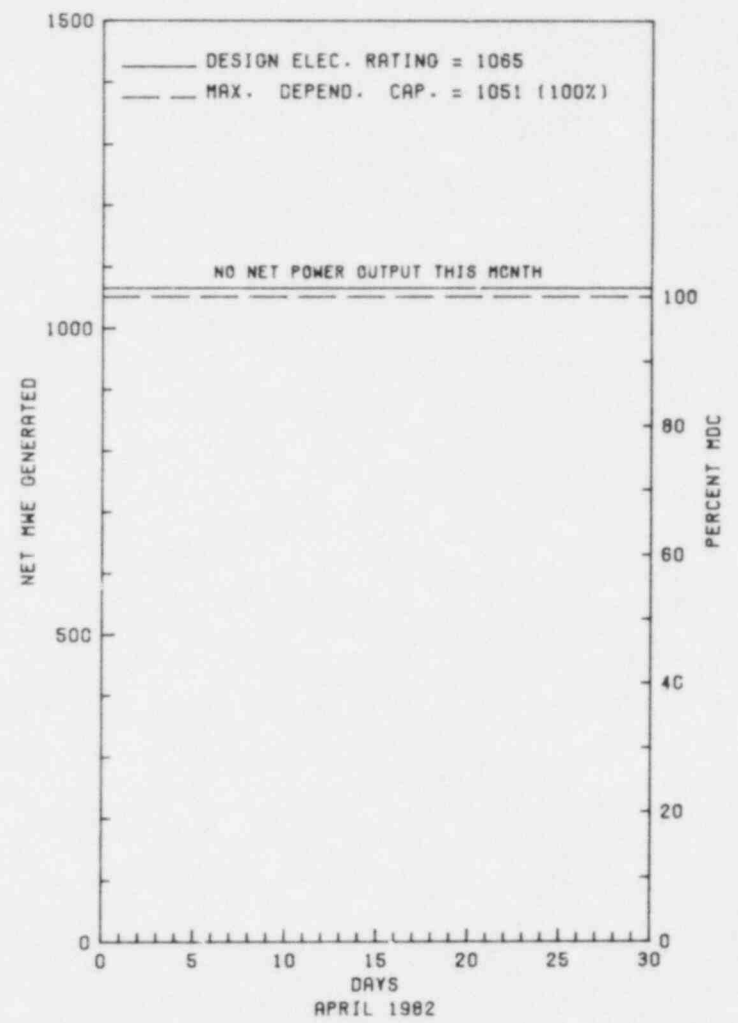
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/04/82

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/19/82	S	719.0	C	4		RC	FUELXX	CONTINUING REFUELING OUTAGE.

* SUMMARY *

PEACH BOTTOM 2 REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC EMER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE...JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. COWGILL
LICENSING PROJ MANAGER....M. FAIRTILE
DOCKET NUMBER.....50-277
LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
EDUCATION BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17126

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

INSPECTION SUMMARY

+ 50-277/81-28 - DEC 7-17: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL OF ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM DEVELOPMENT, EMERGENCY ORGANIZATION, EMERGENCY TRAINING, EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES, COORDINATION W.™ OFFSITE AGENCIES, AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM FROM REGION I, NRC HEADQUARTERS, AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.

+ 50-277/82-04 - MAR 8-12: ROUTINE UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION-BASED INSPECTORS (34 HRS) INCLUDED: SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREAS; VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; PACKAGES; VEHICLES; DETECTION AIDS-PROTECTED AREAS; VITAL AREA; ALARM STATIONS; COMMUNICATIONS; AND INDEPENDENT INSPECTION EFFORT (ACCIDENTAL DISCHARGE OF A FIREARM). ONE VIOLATION WAS IDENTIFIED: FAILURE TO MEET ACCESS CONTROL REQUIREMENTS.

+ 50-277/82-06 - MAR 10 - APR 20: ROUTINE, ON-SITE REGULAR AND BACKSHIFT RESIDENT INSPECTION (97 HRS) OF ACCESSIBLE PORTIONS OF THE FACILITY, OPERATIONAL SAFETY, RADIATION PROTECTION, PHYSICAL SECURITY, CONTROL ROOM, LER REVIEW, RESPIRATORY PROTECTION, MAINTENANCE, TRAINING, PERIODIC REPORTS, AND OUTSTANDING ITEMS. SIX VIOLATIONS WERE IDENTIFIED: FAILURE TO LOCK VALVES AS REQUIRED, FAILURE TO HAVE CONTINUOUS FIRE WATCH WHEN CABLE SPREADING ROOM CARDOX SYSTEM WAS INOPERABLE, FAILURE TO PROVIDE ADEQUATE BLOCKING (TAGOUT) CONTROLS FOR MAINTENANCE, FAILURE TO FOLLOW PROCEDURES FOR THE REACTOR CORE ISOLATION COOLING SYSTEM, FAILURE TO FOLLOW PROCEDURES FOR HYDRAULIC SNUBBER TESTING, FAILURE TO CONTROL RESPIRATOR AIR PURIFYING FILTER AND CAMISTER SHELF

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-006/ 03L	03/13/82	04/12/82	DURING TESTING OF THE FIRE PROTECTION SYSTEM, THE DIESEL FIRE PUMP TRIPPED OFF ON OVERSPEED CONDITION. THE REDUNDANT FIRE PUMP WAS VERIFIED OPERABLE
82-007/ 03L	03/21/82	04/20/82	REFUELING FLOOR OUTBOARD ISOLATION VALVE FAILED TO CLOSE
82-008/ 01X	03/28/82	04/15/82	DIFFICULTIES WITH AUX. BOILERS RESULTED IN OPERATING ONE BOILER ON #2 DIESEL INSTEAD OF #6. DIESEL STORAGE TANK INVENTORY DECREASED MORE RAPIDLY THAN ANTICIPATED
82-009/ 01P	03/29/82	03/30/82	CRACK IDENTIFIED IN 'B' CORE SPRAY SPARGER
82-010/ 01P	04/13/82	04/16/82	POSSIBLE OVEREXPOSURE IDENTIFIED ON EBERLINE TLD FOR MONTH OF MARCH

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1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>64,463.0</u>
13. Hours Reactor Critical	<u>537.1</u>	<u>2,608.4</u>	<u>48,096.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>512.5</u>	<u>2,562.1</u>	<u>46,788.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,607,798</u>	<u>8,197,449</u>	<u>134,888,971</u>
18. Gross Elec Ener (MWH)	<u>538,920</u>	<u>2,761,480</u>	<u>44,150,400</u>
19. Net Elec Ener (MWH)	<u>520,979</u>	<u>2,676,397</u>	<u>42,386,870</u>
20. Unit Service Factor	<u>71.3</u>	<u>89.0</u>	<u>72.6</u>
21. Unit Avail Factor	<u>71.3</u>	<u>89.0</u>	<u>72.6</u>
22. Unit Cap Factor (MDC Net)	<u>70.0</u>	<u>89.8</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>68.0</u>	<u>87.3</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>28.7</u>	<u>11.0</u>	<u>8.1</u>
25. Forced Outage Hours	<u>206.5</u>	<u>316.9</u>	<u>4,120.7</u>

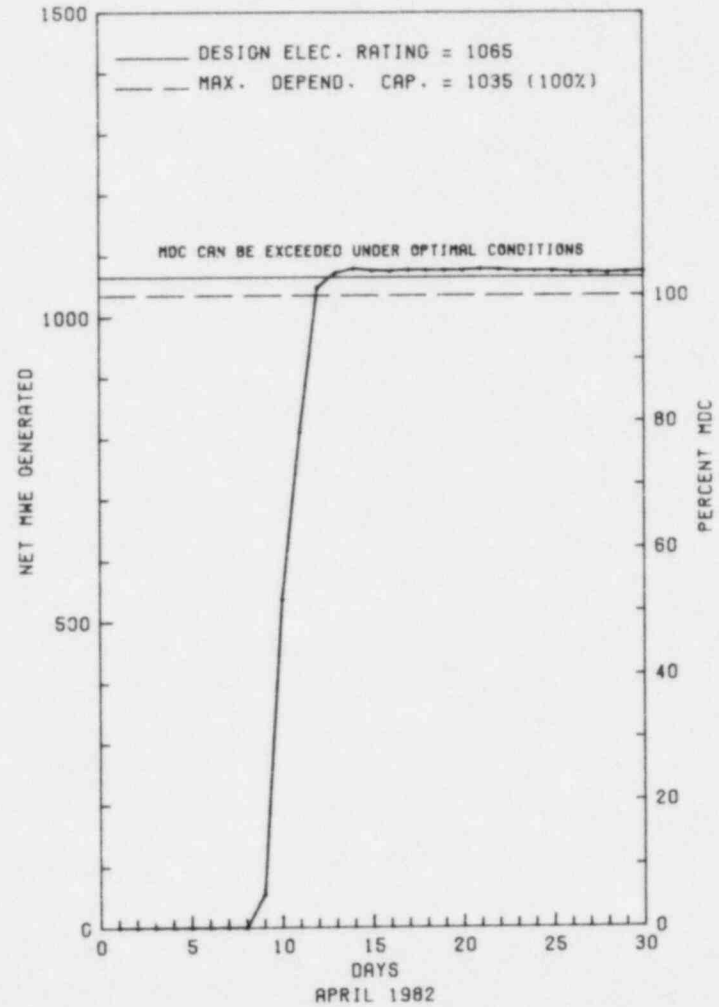
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/30/82	F	206.5	A	4		HA	GENERA	CONTINUING MAINTENANCE SHUTDOWN PROMPTED BY VIBRATION OF THE MAIN GENERATOR EXCITER.

 * SUMMARY *

 PEACH BOTTOM 3 RETURNED ONLINE APRIL 9TH FROM A CONTINUING MAINTENANCE OUTAGE AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 7, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974
DATE COMMERCIAL OPERATE...DECEMBER 23, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. COWGILL
LICENSING PROJ MANAGER....M. FAIRTILE
DOCKET NUMBER.....50-278
LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
EDUCATION BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17126

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

INSPECTION SUMMARY

+ 50-278/81-31 - DEC 7-17: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL OF ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM DEVELOPMENT, EMERGENCY ORGANIZATION, EMERGENCY TRAINING, EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES, COORDINATION WITH OFFSITE AGENCIES, AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM FROM REGION I, NRC HEADQUARTERS, AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.

+ 50-278/82-04 - MAR 8-12: ROUTINE UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION-BASED INSPECTORS (34 HRS) INCLUDED: SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREAS; VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; PACKAGES; VEHICLES; DETECTION AIDS-PROTECTED AREAS; VITAL AREA; ALARM STATIONS; COMMUNICATIONS; AND INDEPENDENT INSPECTION EFFORT (ACCIDENTAL DISCHARGE OF A FIREARM). ONE VIOLATION WAS IDENTIFIED: FAILURE TO MEET SECURITY REQUIREMENTS REGARDING ACCESS CONTROL.

+ 50-278/82-06 - MAR 10 - APR 20: ROUTINE, ON-SITE REGULAR AND BACKSHIFT RESIDENT INSPECTION (93 HRS) OF: ACCESSIBLE PORTIONS OF THE FACILITY OPERATIONAL SAFETY; RADIATION PROTECTION; PHYSICAL SECURITY; CONTROL ROOM OBSERVATIONS; LER REVIEW; RESPIRATORY PROTECTION; MAINTENANCE; TRAINING; PERIODIC REPORTS, AND OUTSTANDING ITEMS. SIX VIOLATIONS WERE IDENTIFIED: FAILURE TO LOCK VALVES AS REQUIRED, FAILURE TO HAVE CONTINUOUS FIRE WATCH WHEN CABLE SPREADING ROOM CARDOX SYSTEM WAS INOPERABLE, FAILURE TO PROVIDE ADEQUATE BLOCKING (TAGOUT) CONTROLS FOR MAINTENANCE, FAILURE TO FOLLOW PROCEDURES FOR THE REACTOR CORE ISOLATION COOLING SYSTEM, FAILURE TO FOLLOW PROCEDURES FOR HYDRAULIC SNUDDER TESTING, FAILURE TO CONTROL RESPIRATOR AIR PURIFYING FILTER AND

INSPECTION SUMMARY

CANISTER SHELF LIFE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT WAS STARTED UP ON APRIL 9 AFTER REPLACEMENT OF A RECIRCULATION PUMP SHAFT SEAL. THE PLANT OPERATED NOMINALLY AT FULL POWER THE REMAINDER OF THE MONTH. REPRESENTATIVE OFFGAS RATE WAS 1946 MICROCURIES PER SECOND. STACK GAS RELEASE RATE WAS 100 MICROCURIES PER SECOND.

LAST IE SITE INSPECTION DATE: 4/21 - 5/18/82 +

INSPECTION REPORT NO: 50-278/82-09 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 79.0

3. Utility Contact: G. G. Whitney (617) 746-7900

4. Licensed Thermal Power (MWt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>82,319.0</u>
13. Hours Reactor Critical	<u>572.3</u>	<u>646.5</u>	<u>56,679.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>449.0</u>	<u>449.0</u>	<u>54,726.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>651,048</u>	<u>651,048</u>	<u>93,468,936</u>
18. Gross Elec Ener (MWH)	<u>221,410</u>	<u>221,410</u>	<u>31,132,644</u>
19. Net Elec Ener (MWH)	<u>212,585</u>	<u>212,585</u>	<u>29,907,069</u>
20. Unit Service Factor	<u>62.4</u>	<u>15.6</u>	<u>66.5</u>
21. Unit Avail Factor	<u>62.4</u>	<u>15.6</u>	<u>66.5</u>
22. Unit Cap Factor (MDC Net)	<u>44.1</u>	<u>11.0</u>	<u>54.2</u>
23. Unit Cap Factor (DER Net)	<u>45.1</u>	<u>11.3</u>	<u>55.5</u>
24. Unit Forced Outage Rate	<u>17.8</u>	<u>17.8</u>	<u>10.1</u>
25. Forced Outage Hours	<u>97.4</u>	<u>97.4</u>	<u>6,111.9</u>

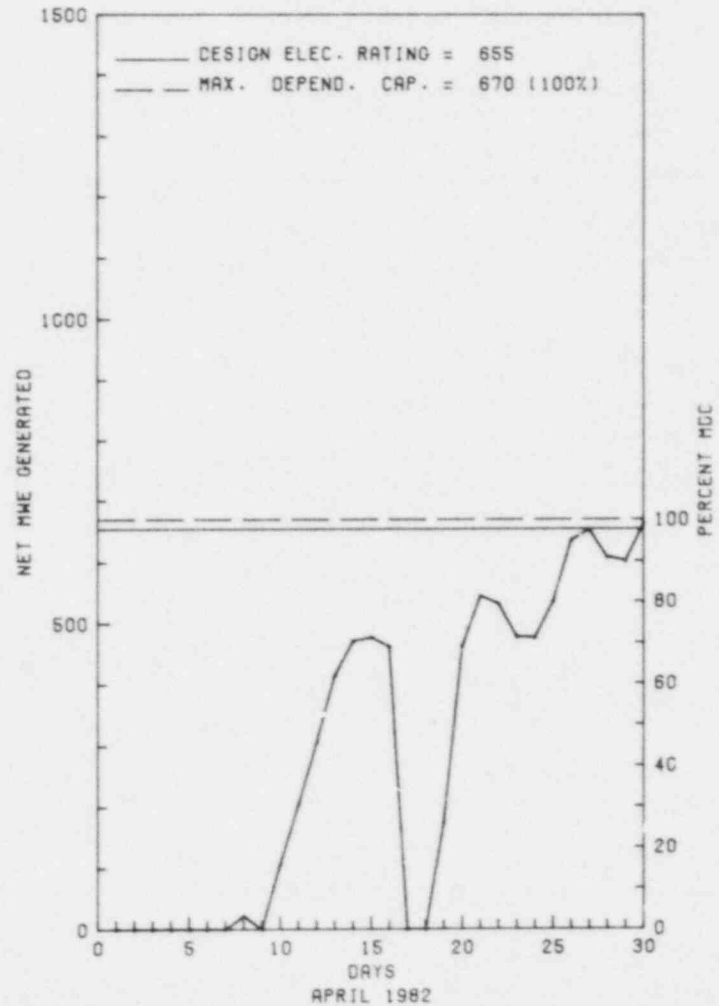
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	09/26/81	S	172.6	C	4		RC	FUELXX	REFUEL/MODIFICATION OUTAGE ENDED.
19	04/08/82	F	36.8	B	3		HA	XXXXXX	TURBINE TESTING CAUSED HIGH RX.PRESSURE.
20	04/16/82	F	60.6	A	1		HA	XXXXXX	HYDROGEN SEAL OIL LEAK. RX. TO REDUCED PRESSURE, THEN STANDBY FOR REPAIRS.

 * SUMMARY *

 PILGRIM 1 RETURNED ONLINE FROM AN EXTENDED REFUELING/MODIFICATION OUTAGE APRIL 8TH AND INCURRED 2 ADDITIONAL OUTAGES FOR MAINTENANCE/TESTING AND EQUIPMENT FAILURE.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....PLYMOUTH

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 16, 1972

DATE ELEC ENER 1ST GENER...JULY 19, 1972

DATE COMMERCIAL OPERATE...DECEMBER 1, 1972

CONDENSER COCLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE COD BAY

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON

CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. JOHNSON

LICENSING PROJ MANAGER....K. ECCLESTON
DOCKET NUMBER.....50-293

LICENSE & DATE ISSUANCE...DPR-35, SEPTEMBER 15, 1972

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

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

INSPECTION SUMMARY

+ 50-293/82-02 - JAN 11-15: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (68 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ADMINISTRATIVE CONTROLS FOR SAFETY RELATED CALIBRATIONS AND SURVEILLANCE; PROGRAM AND IMPLEMENTATION FOR TECHNICAL SPECIFICATIONS SURVEILLANCE CALIBRATIONS AND FUNCTIONAL TESTS; PROGRAM AND IMPLEMENTATION FOR CALIBRATION OF PLANT INSTRUMENTS WHICH VERIFY TECHNICAL SPECIFICATION SURVEILLANCE TESTS AND INSERVICE INSPECTION TESTS; PROGRAM AND IMPLEMENTATION FOR CALIBRATION OF TEST AND MEASUREMENT EQUIPMENT; PROGRAM AND IMPLEMENTATION FOR TECHNICAL SPECIFICATION SURVEILLANCE TESTING; MAINTENANCE PROGRAM AND VITAL AREA ACCESS CONTROL. FOUR VIOLATIONS WERE IDENTIFIED: FAILURE TO USE CALIBRATED TEST EQUIPMENT; FAILURE TO IMPLEMENT STATION PROCEDURE; FAILURE TO USE APPROVED PROCEDURES FOR SAFETY RELATED MAINTENANCE; FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO VITAL AREAS.

+ 50-293/82-03 - JAN 25-29: SPECIAL PHYSICAL PROTECTION INSPECTION CONDUCTED BY ONE REGION BASED INSPECTOR (30 HRS) TO REVIEW THE CIRCUMSTANCES INVOLVED IN THE SECURITY VIOLATION WHICH OCCURRED ON JANUARY 13, 1982 CONCERNING INADEQUATE ACCESS CONTROL. THE INSPECTION ALSO INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT-PERSONNEL); AND ACCESS CONTROL (PERSONNEL); AND FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS RELATIVE TO BACKGROUND SCREENING OF CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

+ 50-293/82-11 - FEB 25-28: ROUTINE, UNANNOUNCED INSPECTION BY ONE RESIDENT AND A REGION BASED INSPECTOR (45 HRS) OF PRIMARY CONTAINMENT INTEGRATED LEAK RATE TESTING. ONE VIOLATION WAS IDENTIFIED: FAILURE TO CONDUCT PCILRT IN ACCORDANCE WITH 10 CFR 50, APPENDIX J DUE TO CONDUCT OF UNAUTHORIZED MAINTENANCE WORK.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 19.12, WORKERS ENTERING THE STANDBY GAS TREATMENT ROOM WERE NOT KEPT INFORMED OF THE STORAGE AND TRANSFER OF ABOUT 100 GALLONS OF DRY RADIOACTIVE RESIN. CONTRARY TO TS 6.8.D, PROCEDURES TO IMPLEMENT THE FIRE PROTECTION PROGRAM WERE NOT ADEQUATELY ESTABLISHED & IMPLEMENTED. ON 1/28/82, ONLY 4 OF THE REQUIRED 10 SCBA UNITS WERE CAPABLE OF BEING REFILLED, & ONLY 3 OF THE REQUIRED 20 SPARE BOTTLES WERE CAPABLE OF BEING REFILLED. IN ADDITION, PROCEDURES WERE NOT ADEQUATELY ESTABLISHED TO MEET THE REQUIREMENTS OF THE FIRE PROTECTION PLAN SECTION IV.6 IN THE AREAS OF INVENTORY, INSPECTION, TESTING & VERIFICATION THAT FIRE EMERGENCY EQUIPMENT IS OPERABLE.
(8201 5)

FAILURE TO CONDUCT PCILRT IN ACCORDANCE WITH APPENDIX J, 10 CFR 50; CONDUCT UNAUTHORIZED, MAINTENANCE WORK WITHOUT MR. A LEAKY FLANGE ON 8 INCH R CIC EXHAUST LINE WAS ADJUSTED DURING PCILT W/O AUTHORIZED MR.
(8211 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

+ THE INDEPENDENT REVIEW OF MANAGEMENT/ORGANIZATION (REQUIRED BY NRC ORDER) HAS BEEN INITIATED BY MANAGEMENT ANALYSIS CORP. AND AN INDUSTRY PEER GROUP.

PLANT STATUS:

+ THE PLANT HAS RETURNED TO POWER FOLLOWING A SIX MONTH OUTAGE. AS OF 4/30/82, THE REACTOR POWER WAS ABOUT 96% WITH MAIN STACK AND OFFGAS ACTIVITY RATES OF ABOUT 20 AND 9,640 MICROCURIES/SEC RESPECTIVELY.

LAST IE SITE INSPECTION DATE: 4/5 - 5/9/82 +

INSPECTION REPORT NO: 50-293/82-12 +

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-009/ 03L	03/10/82	04/09/82	SWITCH DRIFT HPCI HIGH TEMP
82-010/ 03L	03/26/82	04/23/82	PROCEDURE CONTROL REVIEW OF SURVEILLANCE TEST "STANDBY LIQUID CONTROL SYSTEM" HAD NOT BEEN VERIFIED
82-011/ 01X	04/27/82	04/27/82	REACTOR WATER LEVEL DIVERGENCE DURING STARTUP TESTING. T.S. L.C.D. ACTION NOT FOLLOWED FOR RPS INSTRUMENTATION

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1. Docket: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: C.W. FAY (414) 277-2811

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 495

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

10. Power Level To Which Restricted, If Any (Net MWe): 445

11. Reasons for Restrictions, If Any:
SELF-IMPOSED H.L. TEMP LIMIT - S/G TUBE CORROSION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>100,655.0</u>
13. Hours Reactor Critical	<u>446.1</u>	<u>2,455.1</u>	<u>82,808.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.9</u>	<u>11.4</u>	<u>618.7</u>
15. Hrs Generator On-Line	<u>438.4</u>	<u>2,424.5</u>	<u>80,396.7</u>
16. Unit Reserve Shtdwn Hrs	<u>5.8</u>	<u>27.4</u>	<u>791.7</u>
17. Gross Therm Ener (MWH)	<u>510,547</u>	<u>3,103,250</u>	<u>110,456,090</u>
18. Gross Elec Ener (MWH)	<u>169,870</u>	<u>1,039,180</u>	<u>37,060,460</u>
19. Net Elec Ener (MWH)	<u>159,961</u>	<u>987,831</u>	<u>35,269,039</u>
20. Unit Service Factor	<u>61.0</u>	<u>84.2</u>	<u>79.9</u>
21. Unit Avail Factor	<u>61.8</u>	<u>85.2</u>	<u>80.7</u>
22. Unit Cap Factor (MDC Net)	<u>44.9</u>	<u>69.3</u>	<u>71.8*</u>
23. Unit Cap Factor (DER Net)	<u>44.8</u>	<u>69.0</u>	<u>70.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>3.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>12.8</u>	<u>2,399.3</u>

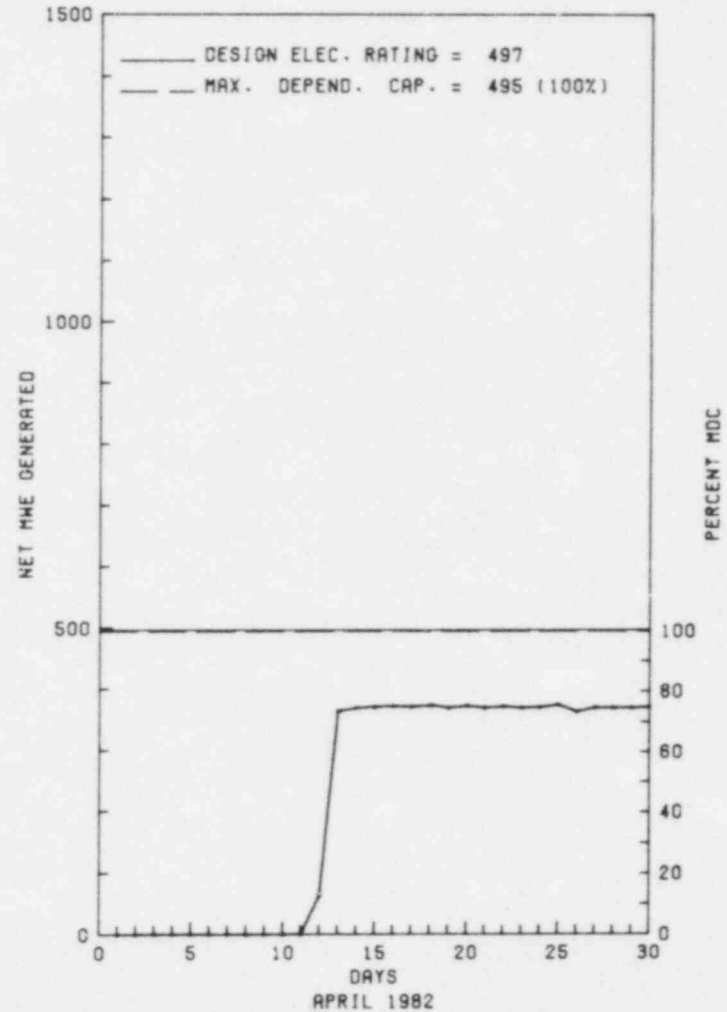
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/26/82	S	280.6	B	4	82-00		CB	THE UNIT WAS TAKEN OFF LINE ON 03/26/82 FOR A SCHEDULED STEAM GENERATOR INSPECTION. THE UNIT WAS RETURNED TO SERVICE ON 04/12/82 FOLLOWING THE SUCCESSFUL COMPLETION OF STEAM GENERATOR INSPECTIONS AND REPAIRS.

 * SUMMARY *

 POINT BEACH 1 RETURNED ONLINE APRIL 12TH FROM A MAINTENANCE OUTAGE AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

* POINT BEACH 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
TWO RIVERS, WISCONSIN
MANITOWOC PUBLIC LIBRARY
(TEMPORAR: LPDR FOR SPENT FUEL
POOL CAPACITY INCREASE
AMENDMENT ONLY)

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

INSPECTION SUMMARY

MANAGEMENT MEETING ON FEBRUARY 25, (82-03): A MANAGEMENT MEETING REQUESTED BY REGION III WAS HELD AT THE SITE TO DISCUSS REGION III CONCERNS ABOUT INDICATIONS OF DETERIORATION IN THE LEVEL OF LICENSEE PERFORMANCE. THE MEETING INVOLVED A TOTAL OF 16 MANHOURS ONSITE BY FOUR NRC REPRESENTATIVES.

INSPECTION ON MARCH 22-24, (82-05): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING COLLECTION OF SAMPLES, ANALYSES ONSITE WITH THE REGION III MEASUREMENTS VAN AND DISCUSSION OF RESULTS. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED DURING THE INSPECTION.

INSPECTION ON MARCH 30, (82-09): QA/QC PROGRAMS, IMPLEMENTING PROCEDURES, WORK ACTIVITIES AND RECORDS RELATIVE TO THE STEAM GENERATORS (SG) TUBE EXAMINATIONS. THIS INSPECTION INVOLVED A TOTAL OF SIX ONSITE INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER LIMITED TO 78 PERCENT DUE TO LOWERED T-AVE FOR S/G CONSERVATION.

LAST IE SITE INSPECTION DATE: MARCH 30, 1982

INSPECTION REPORT NO: 82-09

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-07/ 01T-0	03/29/82	04/16/82	THE 800 PSID SECONDARY-TO-PRIMARY LEAK CHECK REVEALED TWO LEAKING TUBES IN THE 'A' STEAM GENERATOR.
82-08/ 03L-0	03/23/82	04/23/82	MINOR INSTALLATION DEFECTS WERE NOTED ON FOUR OF SIX CONTAINMENT PRESSURE TRANSMITTERS.

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: C.W. FAY (414) 277-2811

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 495

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>85,440.0</u>
13. Hours Reactor Critical	<u>365.7</u>	<u>2,525.7</u>	<u>76,916.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>193.0</u>
15. Hrs Generator On-Line	<u>362.6</u>	<u>2,522.6</u>	<u>75,581.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>178.0</u>
17. Gross Therm Ener (MWH)	<u>528,202</u>	<u>3,731,768</u>	<u>103,988,612</u>
18. Gross Elec Ener (MWH)	<u>168,270</u>	<u>1,253,540</u>	<u>35,276,550</u>
19. Net Elec Ener (MWH)	<u>159,327</u>	<u>1,198,320</u>	<u>33,581,786</u>
20. Unit Service Factor	<u>50.4</u>	<u>87.6</u>	<u>88.5</u>
21. Unit Avail Factor	<u>50.4</u>	<u>87.6</u>	<u>88.7</u>
22. Unit Cap Factor (MDC Net)	<u>44.8</u>	<u>84.1</u>	<u>80.0*</u>
23. Unit Cap Factor (DER Net)	<u>44.6</u>	<u>83.7</u>	<u>79.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>652.5</u>

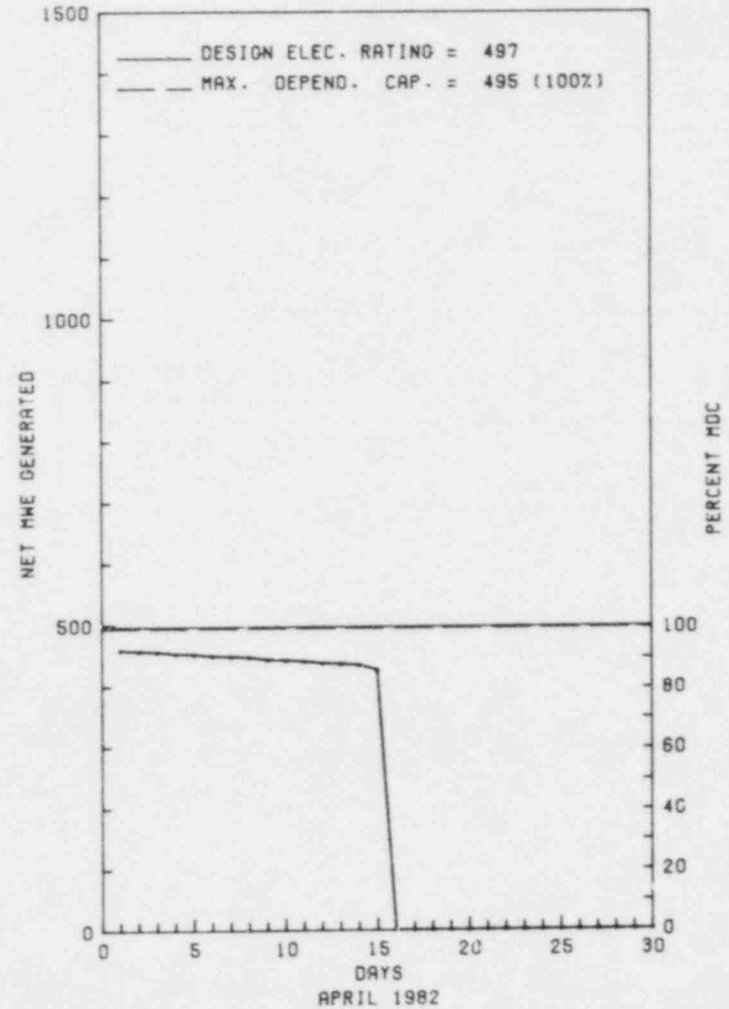
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/29/82

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	04/16/82	S	356.4	C	1		RC	FUELXX	UNIT 2 WAS SHUT DOWN FOR ITS EIGHTH REFUELING OUTAGE. MAJOR WORK ITEMS SCHEDULED TO BE PERFORMED THIS OUTAGE INCLUDE CONTAINMENT INTEGRATED LEAKAGE RATE TESTING, EDDY CURRENT INSPECTION OF THE STEAM GENERATOR TUBES, VARIOUS SECTION XI MATERIAL TESTING, "A" REACTOR COOLANT PUMP MOTOR REPLACEMENT, REPLACEMENT OF VARIOUS SAFETY GRADE PRESSURE TRANSMITTERS, AND TMI WORK PACKAGES. THE UNIT IS SCHEDULED TO RETURN TO SERVICE ON 05/29/82.

 * SUMMARY *

 POINT BEACH 2 SHUTDOWN ON APRIL 16TH FOR A SCHEDULED REFUELING OUTAGE.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
TWO RIVERS, WISCONSIN
MANITOWOC PUBLIC LIBRARY
(TEMPORARY LPDR FOR SPENT FUEL
POOL CAPACITY INCREASE
AMENDMENT ONLY)

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

INSPECTION SUMMARY

MANAGEMENT MEETING ON FEBRUARY 25, (82-03): A MANAGEMENT MEETING REQUESTED BY REGION III WAS HELD AT THE SITE TO DISCUSS REGION III CONCERNS ABOUT INDICATIONS OF DETERIORATION IN THE LEVEL OF LICENSEE PERFORMANCE. THE MEETING INVOLVED A TOTAL OF 16 MANHOURS ONSITE BY FOUR NRC REPRESENTATIVES.

INSPECTION ON MARCH 22-24, (82-05): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING COLLECTION OF SAMPLES, ANALYSES ONSITE WITH THE REGION III MEASUREMENTS VAN AND DISCUSSION OF RESULTS. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 22-24, 1982

INSPECTION REPORT NO: 82-05

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>73,391.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,879.0</u>	<u>58,900.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,556.9</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,879.0</u>	<u>57,673.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,151,592</u>	<u>4,669,460</u>	<u>89,887,483</u>
18. Gross Elec Ener (MWH)	<u>376,610</u>	<u>1,537,850</u>	<u>29,117,950</u>
19. Net Elec Ener (MWH)	<u>353,902</u>	<u>1,447,125</u>	<u>27,231,524</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>78.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.9</u>	<u>99.9</u>	<u>73.8</u>
23. Unit Cap Factor (DER Net)	<u>92.9</u>	<u>94.8</u>	<u>70.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,864.6</u>

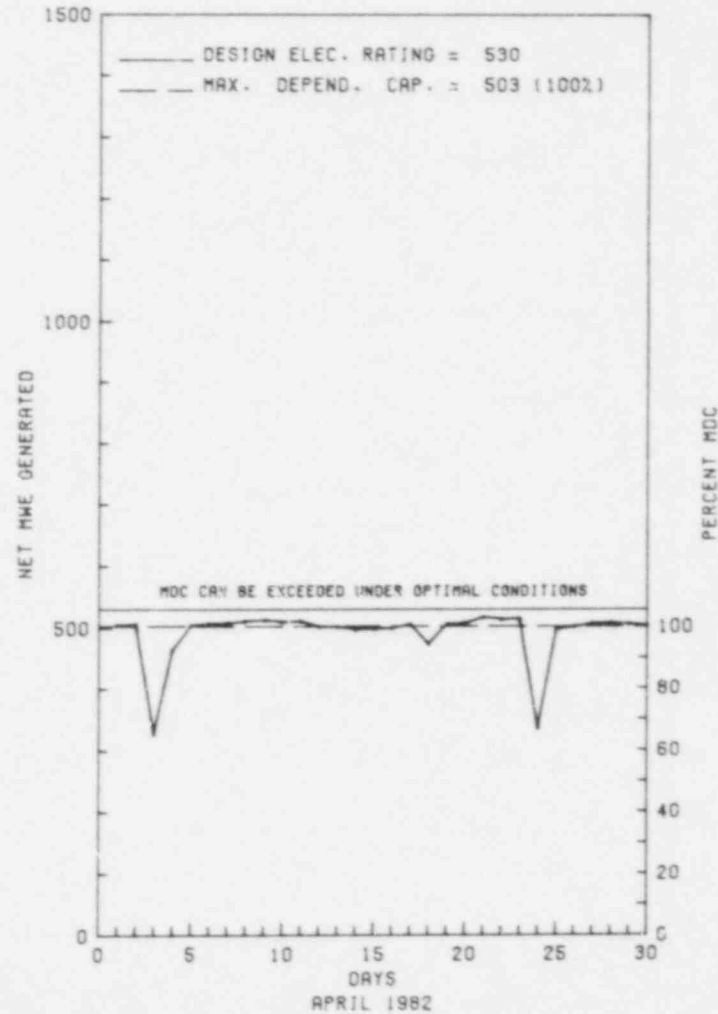
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, FALL OF 1982, 6 WEEKS

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	04/03/82	S	0.0	B	5			TURBINE OVERSPEED TRIP TEST.
	04/24/82	S	0.0	B	5			POST LOCA VALVE TEST, TURBINE STOP, GOVERNOR AND INTERCEPT VALVE TEST.

 * SUMMARY *

 PRAIRIE ISLAND 1 OPERATED WITH 2 REDUCTIONS AND NO OUTAGES DURING APRIL.

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

* PRAIRIE ISLAND 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOUDHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 1, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....C. FEIERABEND
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282
LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1-28, (82-04): ROUTINE RESIDENT INSPECTION OF PLANT OPERATION, MAINTENANCE, SURVEILLANCE, SECURITY, TRAINING, RADIATION PROTECTION, FOLLOWUP OF TMI-2 ITEMS, REVIEW OF PLANT TRIP, SHIPMENT OF RADIOACTIVE WASTE AND DESIGN CHANGE CONTROL. THE INSPECTION INVOLVED A TOTAL OF 121 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 34 INSPECTOR HOURS ONSITE DURING OFF SHIFTS. OF THE TEN AREAS INSPECTED, NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS, AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF DESIGN CHANGE CONTROL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 82-04

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

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NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT        REPORT
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82-05      03/22/82    04/21/82    MISSED SAMPLES OF NO. 1 BORIC ACID TANK.
03L-0
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1. Docket: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>64,509.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,866.7</u>	<u>55,601.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,860.4</u>	<u>54,726.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Thermo Ener (MWH)	<u>1,174,104</u>	<u>4,621,330</u>	<u>85,868,515</u>
18. Gross Elec Ener (MWH)	<u>381,830</u>	<u>1,510,260</u>	<u>27,571,670</u>
19. Net Elec Ener (MWH)	<u>359,105</u>	<u>1,420,060</u>	<u>25,820,774</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.4</u>	<u>84.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.4</u>	<u>84.8</u>
22. Unit Cap Factor (MDC Net)	<u>99.9</u>	<u>98.6</u>	<u>80.1</u>
23. Unit Cap Factor (DER Net)	<u>94.2</u>	<u>93.1</u>	<u>75.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>18.6</u>	<u>3,275.4</u>

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

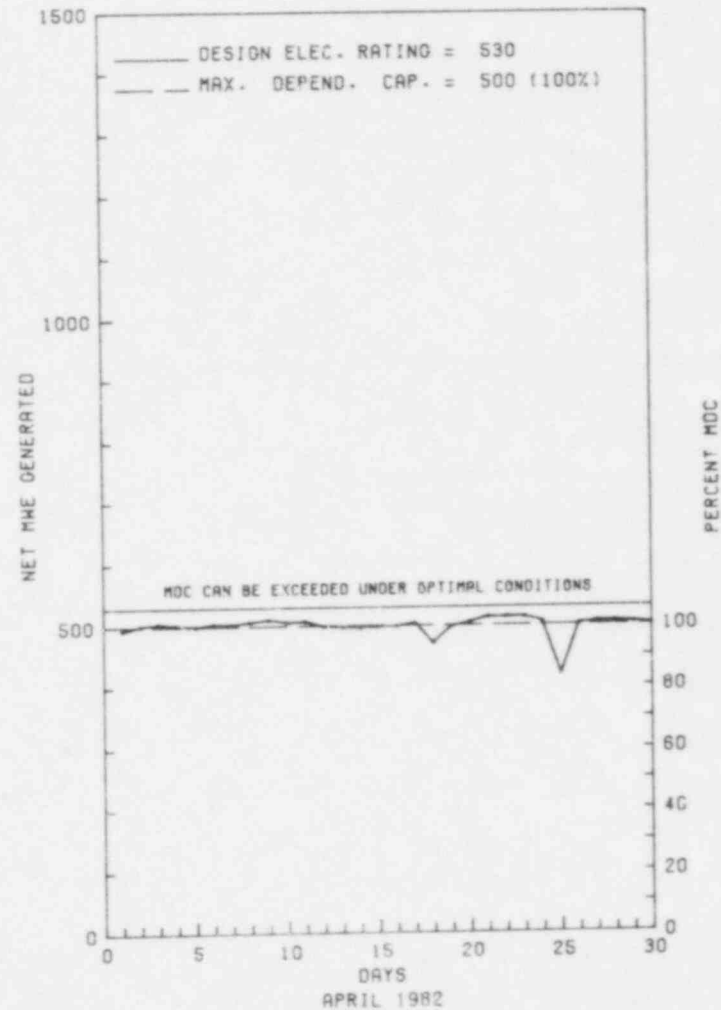
REFUELING, SUMMER OF 1982, 6 WEEKS

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

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	04/25/82	S	0.0	B	5				TURBINE STOP, GOVERNOR AND INTERCEPT VALVE TEST.

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED WITH 1 REDUCTION AND NO OUTAGES DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 17, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974
DATE COMMERCIAL OPERATE...DECEMBER 21, 1974
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 1-28, (82-04): ROUTINE RESIDENT INSPECTION OF PLANT OPERATION, MAINTENANCE, SURVEILLANCE, SECURITY, TRAINING, RADIATION PROTECTION, FOLLOWUP OF TMI-2 ITEMS, REVIEW OF PLANT TRIP, SHIPMENT OF RADIOACTIVE WASTE, AND DESIGN CHANGE CONTROL. THE INSPECTION INVOLVED A TOTAL OF 121 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 34 INSPECTOR HOURS ONSITE DURING OFF SHIFTS. OF THE TEN AREAS INSPECTED, NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS, AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF DESIGN CHANGE CONTROL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 82-04

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
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NONE
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1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ERICH WEINFURTER (309) 654-2241

4. Licensed Thermal Power (Mwt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>87,383.0</u>
13. Hours Reactor Critical	<u>701.2</u>	<u>2,845.6</u>	<u>71,944.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>690.5</u>	<u>2,825.2</u>	<u>68,956.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,426,135</u>	<u>6,432,653</u>	<u>141,491,012</u>
18. Gross Elec Ener (MWH)	<u>464,938</u>	<u>2,104,478</u>	<u>45,633,411</u>
19. Net Elec Ener (MWH)	<u>425,336</u>	<u>1,946,569</u>	<u>42,530,653</u>
20. Unit Service Factor	<u>96.0</u>	<u>98.1</u>	<u>78.9</u>
21. Unit Avail Factor	<u>96.0</u>	<u>98.1</u>	<u>80.0</u>
22. Unit Cap Factor (MDC Net)	<u>76.9</u>	<u>87.9</u>	<u>63.3</u>
23. Unit Cap Factor (DER Net)	<u>75.0</u>	<u>85.7</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>1.9</u>	<u>6.7</u>
25. Forced Outage Hours	<u>28.5</u>	<u>53.8</u>	<u>2,552.2</u>

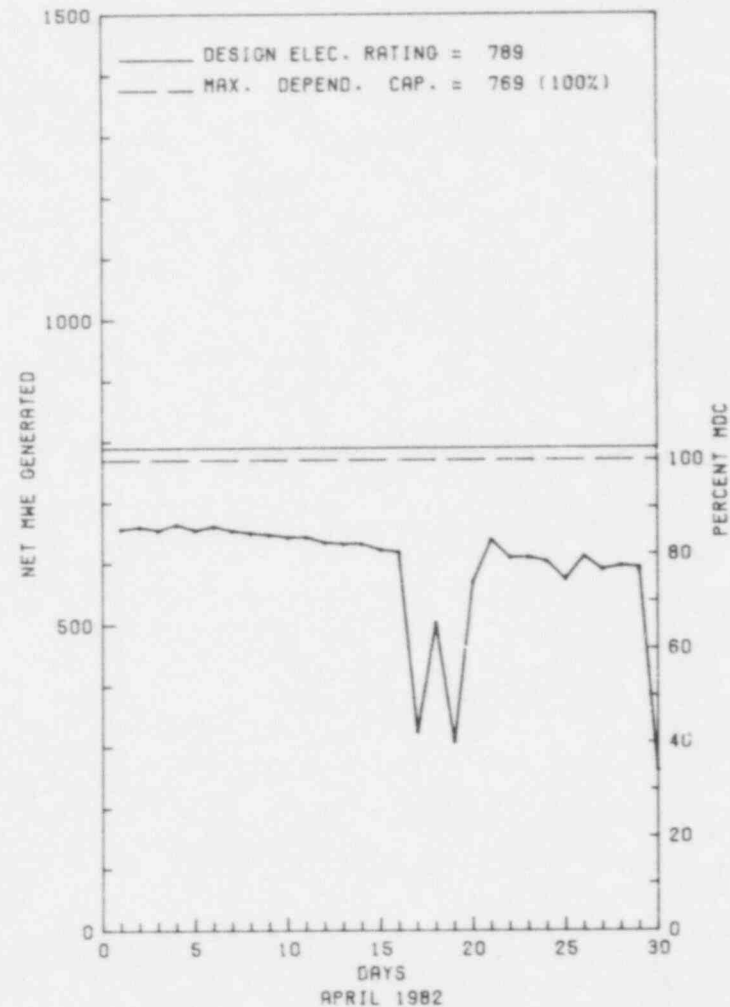
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-12	04/03/82	S	0.0	B	5		HA	ZZZZZ	REDUCED LOAD FOR WEEKLY TURBINE TEST.
82-13	04/17/82	F	10.3	A	3		HG	VALVEX	REACTOR SCRAM ON LOW CONDENSER VACUUM DUE TO CONDENSATE DEMINERALIZER VALVE FAILURE.
82-14	04/19/82	F	8.7	H	3		ZZ	ZZZZZ	REACTOR SCRAM ON HIGH MAIN STEAM LINE FLOW, WHEN CRAFTS HIT INSTRUMENT RACK WITH HAMMER CAUSING SPURIOUS TRIP SIGNAL.
82-15	04/30/82	F	9.5	A	3		CH	VALVOP	REACTOR SCRAM ON REACTOR LOW WATER LEVEL CAUSED BY "B" REACTOR FEED PUMP DISCHARGE VALVE GOING CLOSED.

 * SUMMARY *

 QUAD CITIES 1 OPERATED WITH 3 OUTAGES AND 1 REDUCTION DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 18, 1971
DATE ELEC ENER 1ST GENER...APRIL 12, 1972
DATE COMMERCIAL OPERATE...FEBRUARY 18, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 26 AND FEBRUARY 8, (82-04): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED SEVEN INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 23-26, (82-05): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS TAKEN IN RESPONSE TO POST-TMI REQUIREMENTS; RADIATION PROTECTION ASPECTS AND APPLICATION OF ALARA PRINCIPLES ASSOCIATED WITH THE UNIT 2 TEMPORARY REPAIR OF NON-ISOLABLE PIPING ON THE REACTOR WATER CLEANUP SYSTEM, A LEAKING XENON-133 CALIBRATION SOURCE; AND A RADWASTE SHIPMENT WHICH CONTAINED FREE WATER. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON MARCH 11, (82-07): LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNRESOLVED ITEMS AND NONCOMPLIANCES. THE INSPECTION INVOLVED A TOTAL OF SIX INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE AREAS INSPECTED, ONE NONCOMPLIANCE WAS IDENTIFIED (INADEQUATE PROTECTION OF QA RECORDS FROM FIRE).

ENFORCEMENT SUMMARY

NONE

Report Period APR 1982

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

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

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT 75 PERCENT POWER.

LAST IE SITE INSPECTION DATE: MARCH 11, 1982

INSPECTION REPORT NO: 82-07

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04/ 03L-0	03/07/82	03/25/82	RCIC SYSTEM DECLARED INOPERABLE.
82-05/ 03L-0	03/25/82	04/22/82	RCIC SYSTEM DECLARED INOPERABLE.

=====

1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ERICH WEINFURTER (309) 654-2241

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>86,493.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>1,818.7</u>	<u>66,670.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>1,798.8</u>	<u>64,039.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,766,671</u>	<u>4,144,964</u>	<u>132,032,047</u>
18. Gross Elec Ener (MWH)	<u>573,438</u>	<u>1,339,615</u>	<u>42,045,855</u>
19. Net Elec Ener (MWH)	<u>548,632</u>	<u>1,271,392</u>	<u>39,395,976</u>
20. Unit Service Factor	<u>100.0</u>	<u>62.5</u>	<u>74.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>62.5</u>	<u>74.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>57.4</u>	<u>59.2</u>
23. Unit Cap Factor (DER Net)	<u>96.7</u>	<u>56.0</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>37.5</u>	<u>9.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,080.2</u>	<u>2,984.7</u>

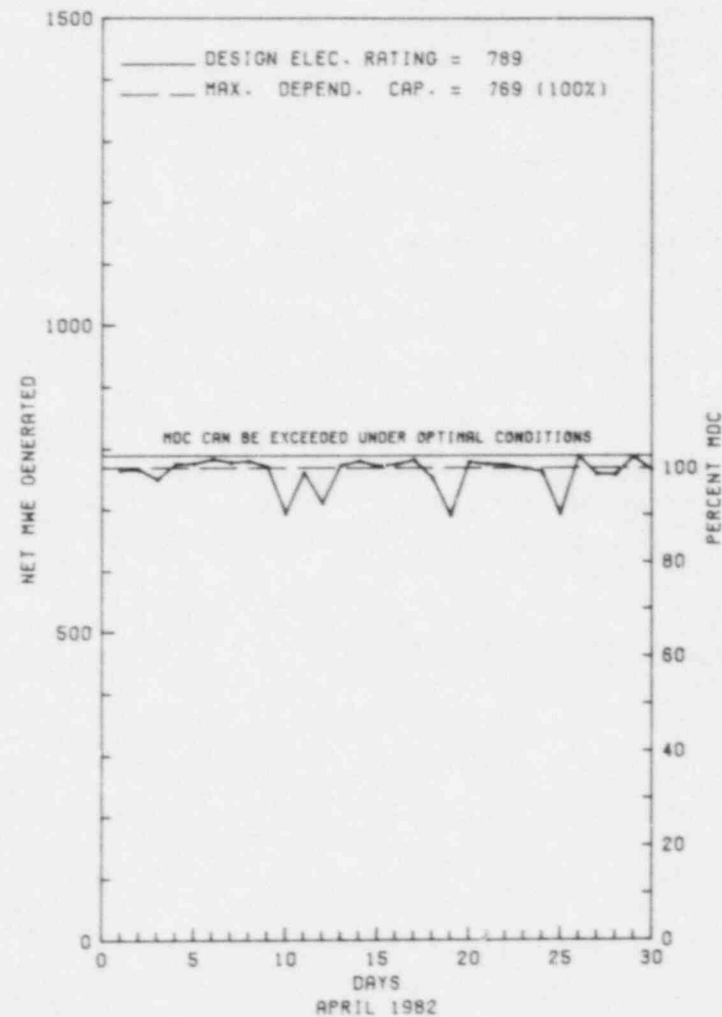
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* Q U A D C I T I E S 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-10	04/03/82	S	0.0	B	5		HA	ZZZZZZ	REDUCED LOAD FOR WEEKLY TURBINE TEST.
82-11	04/10/82	S	0.0	B	5		HA	ZZZZZZ	REDUCED LOAD FOR WEEKLY TURBINE TEST.
82-12	04/11/82	F	0.0	A	5		HG	DEMINX	REDUCED LOAD DUE TO PROBLEMS WITH A CONDENSATE DEMINERALIZER
82-13	04/18/82	S	0.0	B	5		HA	ZZZZZZ	REDUCED LOAD FOR WEEKLY TURBINE TEST.
82-14	04/18/82	F	0.0	A	5		HG	DEMINX	REDUCED LOAD DUE TO PROBLEMS WITH A CONDENSATE DEMINERALIZER.
82-15	04/25/82	S	0.0	B	5		HA	ZZZZZZ	REDUCED LOAD FOR WEEKLY TURBINE TEST.

***** QUAD CITIES 2 OPERATED NORMALLY WITH NUMEROUS REDUCTIONS AND NO OUTAGES DURING APRIL.
 * SUMMARY *

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

* QUAD CITIES 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...APRIL 26, 1972
DATE ELEC ENER 1ST GENER...MAY 23, 1972
DATE COMMERCIAL OPERATE...MARCH 10, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 26 AND FEBRUARY 8, (82-05): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED SEVEN INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 23-26, (82-06): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS TAKEN IN RESPONSE TO POST-TMI REQUIREMENTS; RADIATION PROTECTION ASPECTS AND APPLICATION OF ALARA PRINCIPLES ASSOCIATED WITH THE UNIT 2 TEMPORARY REPAIR OF NON-ISOLABLE PIPING ON THE REACTOR WATER CLEANUP SYSTEM, A LEAKING XENON-133 CALIBRATION SOURCE; AND A RADWASTE SHIPMENT WHICH CONTAINED FREE WATER. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON MARCH 11, (82-08): LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNRESOLVED ITEMS AND NONCOMPLIANCES. THE INSPECTION INVOLVED A TOTAL OF SIX INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE AREAS INSPECTED, ONE NONCOMPLIANCE WAS IDENTIFIED (INADEQUATE PROTECTION OF QA RECORDS FROM FIRE).

ENFORCEMENT SUMMARY

NONE

Report Period APR 1982

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

* QUAD CITIES 2 *

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT 99 PERCENT POWER.

LAST IE SITE INSPECTION DATE: MARCH 11, 1982

INSPECTION REPORT NO: 82-08

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-03/ 01T-0	02/23/82	03/03/82	A LEAK OF .25 GPM WAS FOUND IN CONTROL ROD DRIVE 42-07 WITHDRAWAL LINE.
82-04/ 03L-0	02/24/82	03/11/82	RWCU SUCTION LINE.

=====

1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: JACK EDWARDS (916) 452-3211 X4137

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>61,680.0</u>
13. Hours Reactor Critical	<u>65.7</u>	<u>2,218.3</u>	<u>37,454.9</u>
14. Rx Reserve Shtdwn Hrs	<u>196.0</u>	<u>196.0</u>	<u>6,654.6</u>
15. Hrs Generator On-Line	<u>48.2</u>	<u>2,152.9</u>	<u>35,923.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>80,698</u>	<u>4,702,938</u>	<u>90,598,050</u>
18. Gross Elec Ener (MWH)	<u>26,765</u>	<u>1,576,517</u>	<u>30,337,946</u>
19. Net Elec Ener (MWH)	<u>21,161</u>	<u>1,479,078</u>	<u>28,636,196</u>
20. Unit Service Factor	<u>6.7</u>	<u>74.8</u>	<u>58.2</u>
21. Unit Avail Factor	<u>6.7</u>	<u>74.8</u>	<u>60.2</u>
22. Unit Cap Factor (MDC Net)	<u>3.4</u>	<u>58.8</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>3.2</u>	<u>56.0</u>	<u>50.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>29.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>14.2</u>	<u>15,216.9</u>

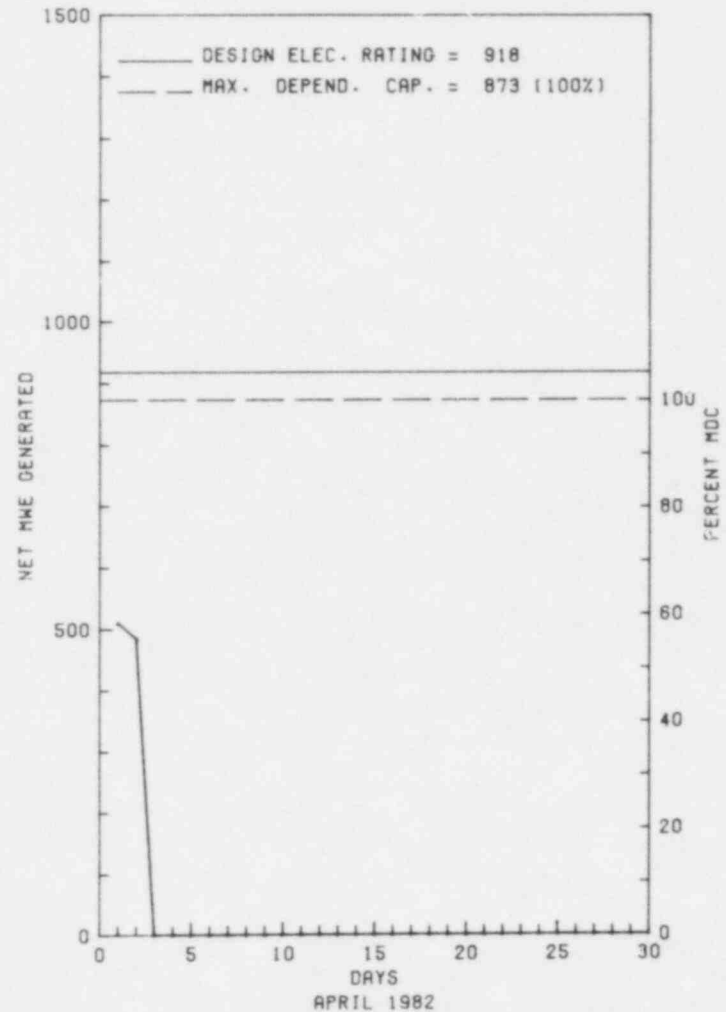
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 08/15/82

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
07	04/03/82	S	670.8	B	1	82-009	SF	PIPEXX	INSPECT AND REPAIR HPI NOZZLES AND OTSG HEADER RINGS.

***** RANCHO SECO 1 INCURRED A REPAIR OUTAGE ON APRIL 3RD AND REMAINED SHUTDOWN THE REMAINDER OF THE MONTH.
* SUMMARY *

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

* RANCHO SECO 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SACRAMENTO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974

DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974

DATE COMMERCIAL OPERATE...APRIL 17, 1975

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...FOLSOM CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT

CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....H. CANTER

LICENSING PROJ MANAGER....M. PADOVAN
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974

PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ MEETING ON MARCH 23, 1982 (REPORT NO. 50-312/82-03) THE PURPOSE OF THE MEETING HELD AT SACRAMENTO MUNICIPAL UTILITY DISTRICT OFFICES IN SACRAMENTO, CALIFORNIA, WAS TO DISCUSS THE RESULTS OF NRC'S REGIONAL EVALUATION OF LICENSEE PERFORMANCE FOR THOSE ACTIVITIES AUTHORIZED BY NRC LICENSE NO. DPR-54.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 11 - MARCH 10, 1982 (REPORT NO. 50-312/82-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 26, 1982 (REPORT NO. 50-312/82-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 03-04 AND 07-08, 1982 (REPORT NO. 50-312/82-13) AREAS INSPECTED: A SPECIAL INSPECTION BY REGIONALLY BASED INSPECTORS OF LICENSEE NONDESTRUCTIVE EXAMINATION ACTIVITIES ON FOUR ELBOW TO SAFE-END NOZZLES OF THE HIGH PRESSURE INJECTION SYSTEM. THE EXAMINATION WAS PERFORMED IN RESPONSE TO INDICATIONS FOUND AT FLORIDA POWER CORPORATION'S CRYSTAL RIVER PLANT AND AS DESCRIBED IN IE INFORMATION NOTICE NO. 82-09. ADDITIONALLY, LICENSEE ACTION ON A PREVIOUSLY IDENTIFIED INSPECTION ITEM WAS EXAMINED. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON APRIL 19-22, 1982 (REPORT NO. 50-312/82-14) AREAS INSPECTED: ENVIRONMENTAL PROTECTION INCLUDING MANAGEMENT CONTROLS; QUALITY CONTROL; QA AUDITS; SURVEILLANCE RECORDS; TOUR OF SAMPLING LOCATION; CONTRACTOR ANALYTICAL AND LICENSEE ANNUAL REPORTS; AND TOUR OF CONTAINMENT. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 25 - APRIL 20, 1982 (REPORT NO. 50-312/82-15) AREAS INSPECTED: AN ANNOUNCED FOLLOW-UP INSPECTION TO THE EMERGENCY PREPAREDNESS APPRAISAL INCLUDING METEOROLOGICAL CALIBRATION RECORDS; METEOROLOGICAL MAINTENANCE ACTIVITIES; OBSERVATION OF A LICENSEE CALIBRATION OF METEOROLOGICAL INSTRUMENTATION; AND ALTERNATE METEOROLOGICAL DATA FOR USE IN OFFSITE DOSE CALCULATION PROCEDURES. THE INSPECTION INVOLVED SIX INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 01 - MAY 02, 1982 (REPORT NO. 50-312/82-16) AREAS INSPECTED: OPERATIONAL SAFETY VERIFICATION; LONG TERM SHUTDOWN ACTIVITIES; MAINTENANCE OBSERVATIONS; SURVEILLANCE OBSERVATIONS; FOLLOW-UP ON REGIONAL REQUESTS; FOLLOW-UP ON HEADQUARTERS' REQUESTS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 160 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 05-09, 1982 (REPORT NO. 50-312/82-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 21, 1982 (REPORT NO. 50-312/82-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE LICENSEE IS PLANNING TO REPAIR THE AUXILIARY FEEDWATER SPARGERS WHICH WERE DISCOVERED TO BE COLLAPSED. THIS WORK IS EXPECTED TO TAKE ABOUT TWO MONTHS AND IS CURRENTLY BEING DISCUSSED WITH NRR.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NEXT REFUELING OUTAGE SCHEDULED IS BEING DEVELOPED. THE LICENSEE EXPECTS TO RESTART IN JULY OR AUGUST, OPERATE FOR 3-4 MONTHS, THEN SHUT DOWN TO CONTINUE TMI MODIFICATIONS. REFUELING WILL MOST LIKELY BE DELAYED UNTIL MID 1983.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ PLANT SHUT DOWN AND DRAINED TO MIDPOINT OF RCS LOOPS. LICENSEE SHUT THE PLANT DOWN APRIL 2, 1982, TO INSPECT HPI NOZZLES. ONE

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: M. L. Watford (803) 383-4524

4. Licensed Thermal Power (MWt): 2300

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

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

10. Power Level To Which Restricted, If Any (Net MWe): 535

11. Reasons for Restrictions, If Any: POWER LEVEL REDUCED FOR S/G CONSIDERATIONS.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>97,805.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,367.1</u>	<u>73,712.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,085.3</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,367.1</u>	<u>71,922.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,501,310</u>	<u>145,596,684</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>798,330</u>	<u>46,876,300</u>
19. Net Elec Ener (MWH)	<u>-1,381</u>	<u>747,157</u>	<u>44,367,408</u>
20. Unit Service Factor	<u>.0</u>	<u>47.5</u>	<u>73.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>47.5</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.0</u>	<u>68.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>37.1</u>	<u>64.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,309.8</u>

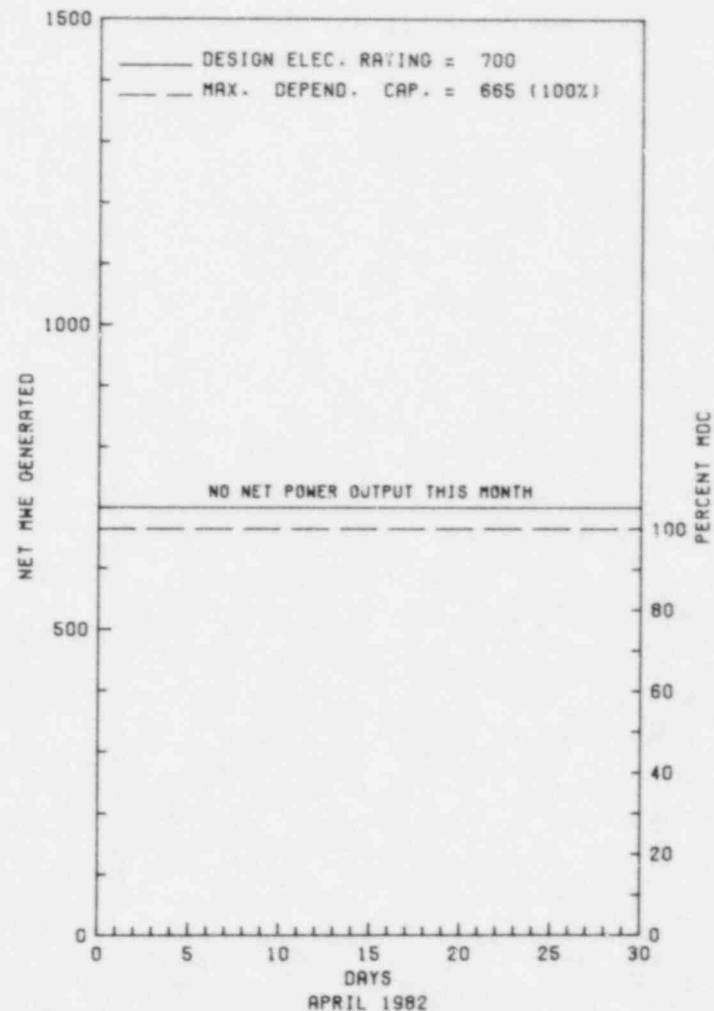
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/01/82

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02-01	02/26/82	S	719.0	C	4		ZZ	ZZZZZ	SHUTDOWN FOR MAINTENANCE/REFUELING OUTAGE CONTINUES.

***** ROBINSON 2 REMAINED SHUTDOWN IN AN ONGOING REFUELING/MAINTENANCE OUTAGE.
* SUMMARY *

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

* ROBINSON 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....S. WEISE
LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261
LICENSE & DATE ISSUANCE...DPR-23, SEPTFMBER 23, 1970
PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
HOMI" AND FIFTH AVENUE
HARTSVILLE, SOUTH CAROLINA 29550

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 11 - MARCH 10 (82-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 158 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, TMI ACTION ITEM REVIEW, CONTAINMENT INTEGRATED LEAK RATE TEST, REFUELING SURVEILLANCE, AND REFUELING PREPARATION. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 13 AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO CONDUCT SURVEILLANCE; AND FAILURE TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES).

INSPECTION MARCH 1-7 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 138 INSPECTOR-HOURS ON SITE IN THE AREA OF CONTAINMENT INTEGRATED LEAK RATE TESTING. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 11 - APRIL 10 (82-11): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 141 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, CIRCULAR, NOTICE FOLLOWUP, TMI ACTION ITEM REVIEW, AND REFUELING ACTIVITIES. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 14 AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW PROCEDURES).

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: L. K. MILLER (609) 365-7000 X507

4. Licensed Thermal Power (MWt): 3338

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

6. Design Electrical Rating (Net MWe): 1090

7. Maximum Dependable Capacity (Gross MWe): 1124

8. Maximum Dependable Capacity (Net MWe): 1079

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>42,384.0</u>
13. Hours Reactor Critical	<u>273.0</u>	<u>292.7</u>	<u>23,732.8</u>
14. Rx Reserve Shtdwn Hrs	<u>60.8</u>	<u>60.8</u>	<u>951.9</u>
15. Hrs Generator On-Line	<u>212.1</u>	<u>231.6</u>	<u>22,684.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>478,831</u>	<u>514,281</u>	<u>66,608,628</u>
18. Gross Elec Ener (MWH)	<u>146,770</u>	<u>157,560</u>	<u>21,811,940</u>
19. Net Elec Ener (MWH)	<u>125,278</u>	<u>123,368</u>	<u>20,623,490</u>
20. Unit Service Factor	<u>29.5</u>	<u>8.0</u>	<u>53.5</u>
21. Unit Avail Factor	<u>29.5</u>	<u>8.0</u>	<u>53.5</u>
22. Unit Cap Factor (MDC Net)	<u>16.1</u>	<u>4.0</u>	<u>45.1</u>
23. Unit Cap Factor (DER Net)	<u>16.0</u>	<u>3.9</u>	<u>44.6</u>
24. Unit Forced Outage Rate	<u>53.1</u>	<u>50.9</u>	<u>31.1</u>
25. Forced Outage Hours	<u>240.1</u>	<u>240.1</u>	<u>10,525.4</u>

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

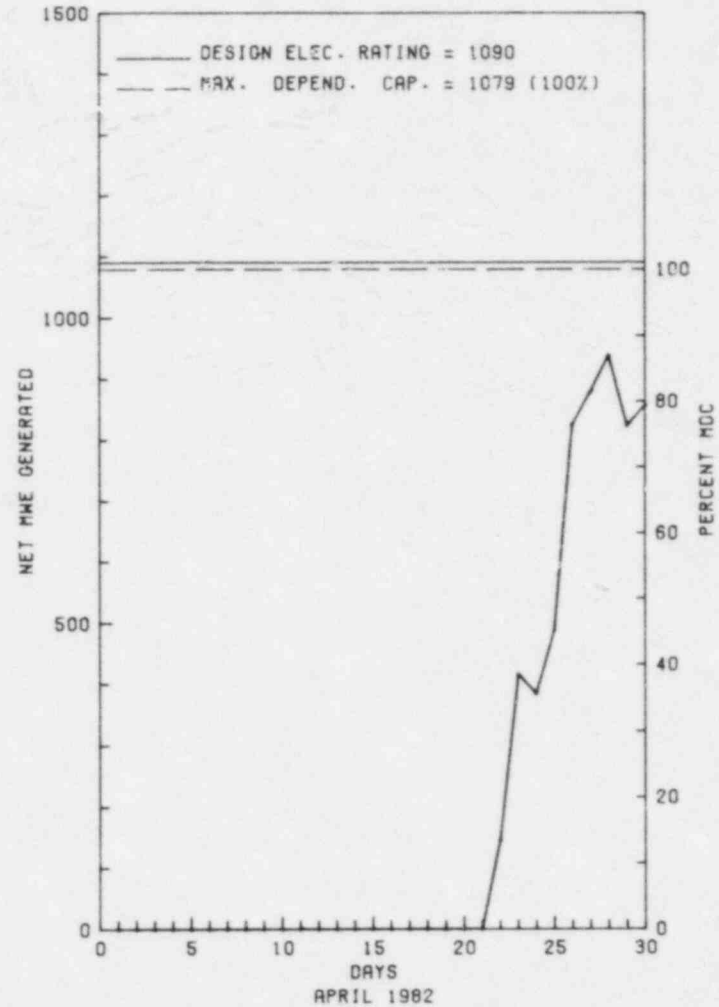
NONE

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-016	03/14/82	S	264.0	B	1		WB	HTEXCH	REPLACEMENT OF #12 COMP. COOLING HEAT EXCHANGER.
82-018	04/11/82	F	188.5	B	1		WB	HTEXCH	REPLACEMENT OF #12 COMP. COOLING HEAT EXCHANGER.
82-020	04/19/82	F	51.6	A	1		HA	XXXXXX	#7 BEARING (TURBINE) HIGH TEMP.
82-021	04/22/82	S	2.8	B	3		HA	TURBIN	TURBINE OVER SPEED TEST, REACTOR TRIP.

 * SUMMARY *

 SALEM 1 RETURNED ONLINE APRIL 22ND FROM A MAINTENANCE OUTAGE AND OPERATED ROUTINELY THE
 REMAINDER OF THE MONTH.

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

* SALEM 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION TR...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
CGJNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. NORRHOLM
LICENSING PROJ MANAGER.....W. ROSS
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

+ 50-272/82-02 - JAN 18-21: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (28 HRS) OF THE LICENSEE'S CHEMICAL AND RADIOCHEMICAL MEASUREMENTS PROGRAM USING NRC-I MOBILE RADIOLOGICAL MEASUREMENTS LABORATORY AND LABORATORY ASSISTANCE PROVIDED BY DOE RADIOLOGICAL AND ENVIRONMENTAL SERVICES LABORATORY. AREAS REVIEWED INCLUDED QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, RADIOLOGICAL ANALYSES OF SPLIT ACTUAL EFFLUENT SAMPLES, AND PROCEDURES. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO HAVE A PROCEDURE AND AN INADEQUATE PROCEDURE.

+ 50-272/82-05 - MAR 9 - APR 5: ROUTINE RESIDENT INSPECTION (106 HRS) OF PLANT OPERATIONS, CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS, LOGS AND RECORDS, LICENSEE EVENTS, PROCUREMENT, AUDITS, AND FOLLOWUP ON OPEN ITEMS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW PROCEDURES.

ENFORCEMENT SUMMARY

SECTION 5.5.1 OF THE ETS REQUIRES DETAILED WRITTEN PROCEDURES FOR ALL ACTIVITIES INVOLVED IN CARRYING OUT THE ETS. ALSO SECTION 5.5.1 REQUIRES THAT PROCEDURES SHALL INCLUDE INSTRUMENT CALIBRATION. CONTRARY TO THE ABOVE, AS OF 1/21/82, THERE WAS NO INSTRUMENT CALIBRATION PROCEDURE FOR THE LIQUID SCINTILLATION COUNTER WHICH IS USED FOR EFFLUENT TRITIUM ANALYSES. SECTION 5.5.1 OF THE ETS REQUIRES DETAILED WRITTEN PROCEDURES FOR ALL ACTIVITIES INVOLVED IN CARRYING OUT THE ETS. SECTION 5.5.51 ALSO REQUIRES THAT PROCEDURES SHALL INCLUDE SAMPLING, MEASUREMENTS, & ANALYSES. SECTION 2.3.2 OF THE ETS REQUIRES THAT SAMPLING & ANALYSIS OF

Report Period APR 1982

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

* SALEM 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-012/ 03L	02/23/82	03/24/82	NO. 1B DIESEL GENERATOR - INOPERABLE
82-013/ 03L	03/01/82	03/29/82	1PR1 & 1PR2 - LOSS OF REACTOR COOLANT SYSTEM VENT PATH
82-014/ 03L	03/06/82	03/31/82	WIND SPEED INDICATION - INOPERABLE
82-015/ 03L	03/16/82	04/07/82	LOSS OF NO. 1A VITAL BUS - WIRE TO UNDERVOLTAGE RELAY SHORTED
82-016/ 03L	03/26/82	04/13/82	CONTAINMENT/PLANT VENT MONITORS - IMPROPER ALIGNMENT
82-017/ 03L	03/27/82	04/07/82	NO. 1C SAFEGUARDS EQUIPMENT CONTROL SYSTEM - INOPERABLE
82-018/ 01T	04/03/82	04/13/82	VALVE 14SW65 - CONTAINMENT SERVICE WATER LEAK

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1. Docket: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: L. K. MILLER (609) 365-7000

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

MDC CHANGED DUE TO ACCEPTANCE TEST

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>4,800.0</u>
13. Hours Reactor Critical	<u>704.3</u>	<u>2,860.3</u>	<u>4,719.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>694.1</u>	<u>2,843.9</u>	<u>4,661.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,174,431</u>	<u>9,077,434</u>	<u>14,185,453</u>
18. Gross Elec Ener (MWH)	<u>710,380</u>	<u>3,023,660</u>	<u>4,737,530</u>
19. Net Elec Ener (MWH)	<u>680,474</u>	<u>2,910,094</u>	<u>4,542,161</u>
20. Unit Service Factor	<u>96.5</u>	<u>98.8</u>	<u>97.1</u>
21. Unit Avail Factor	<u>96.5</u>	<u>98.8</u>	<u>97.1</u>
22. Unit Cap Factor (MDC Net)	<u>85.6</u>	<u>91.4</u>	<u>85.6</u>
23. Unit Cap Factor (DER Net)	<u>84.9</u>	<u>90.7</u>	<u>84.9</u>
24. Unit Forced Outage Rate	<u>3.5</u>	<u>1.2</u>	<u>2.9</u>
25. Forced Outage Hours	<u>24.9</u>	<u>35.1</u>	<u>138.4</u>

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

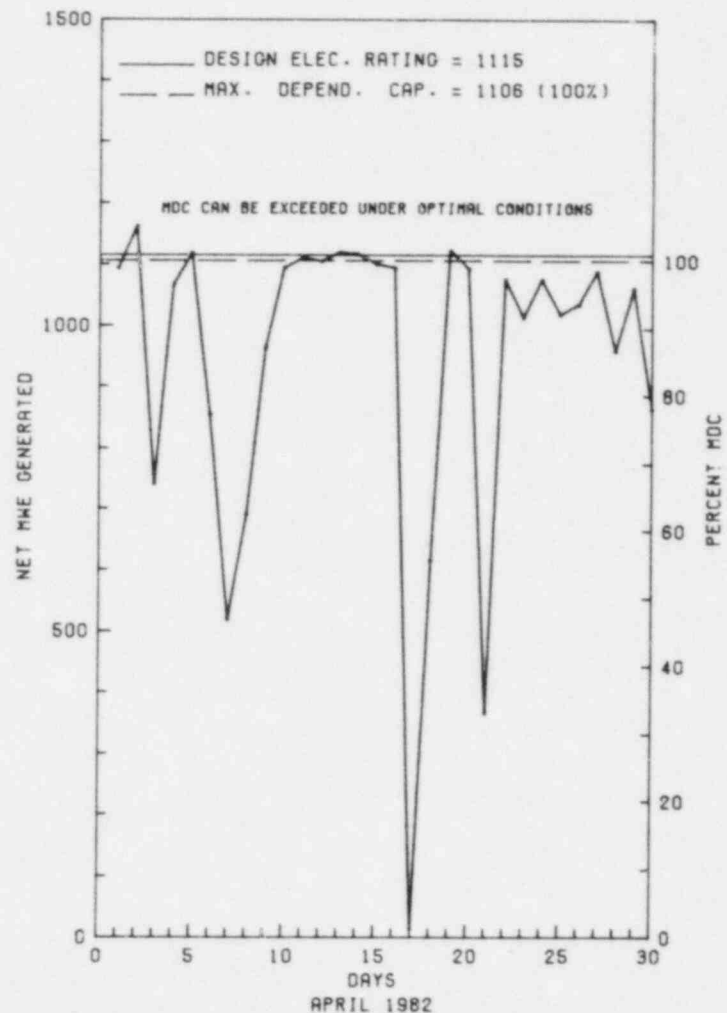
NONE

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

 * SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-178	04/17/82	F	21.4	A	3		CH	PUMPXX	21 SGFP TRIP CAUSED LOW-LOW LEVEL IN 24 STEAM GENERATOR.
82-180	04/21/82	F	3.5	A	3		CH	PUMPXX	21 SGFP OVER SPEED TRIP.

 * SUMMARY *

 SALEM 2 OPERATED ROUTINELY WITH 2 OUTAGES DURING APRIL.

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

* SALEM 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ 50-311/82-02 - JAN 18-21: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (28 HRS) OF THE LICENSEE'S CHEMICAL AND RADIOCHEMICAL MEASUREMENTS PROGRAM USING NRC:I MOBILE RADIOLOGICAL MEASUREMENTS LABORATORY AND LABORATORY ASSISTANCE PROVIDED BY DOE RADIOLOGICAL AND ENVIRONMENTAL SERVICES LABORATORY. AREAS REVIEWED INCLUDED QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, RADIOLOGICAL ANALYSES OF SPLIT ACTUAL EFFLUENT SAMPLES, AND PROCEDURES. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO HAVE A PROCEDURE AND AN INADEQUATE PROCEDURE.

+ 50-311/82-08 - MAR 9 - APR 5: ROUTINE RESIDENT INSPECTION (108 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS; LOG AND RECORD REVIEWS; REVIEWS OF LICENSEE EVENTS; PROCUREMENT; AUDITS; AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW PROCEDURES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period APR 1982

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

* SALEM 2 *

82-021/ 03L	03/20/82	04/07/82	CONTAINMENT AIR LOCK - INOPERABLE
82-022/ 03L	03/26/82	04/07/82	NO. 21 AUXILIARY BUILDING EXHAUST FAN - INOPERABLE
82-025/ 03L	04/02/82	04/13/82	NO. 22 RESIDUAL HEAT REMOVAL PUMP - OVERCURRENT TRIP

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

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: T. RAIDY (714) 492-7700

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>130,399.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,374.2</u>	<u>88,440.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,372.3</u>	<u>84,821.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,585,041</u>	<u>108,263,946</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>540,000</u>	<u>36,906,434</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>510,223</u>	<u>34,953,054</u>
20. Unit Service Factor	<u>.0</u>	<u>47.7</u>	<u>65.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>47.7</u>	<u>65.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>40.6</u>	<u>61.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>40.6</u>	<u>61.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>21.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,178.3</u>

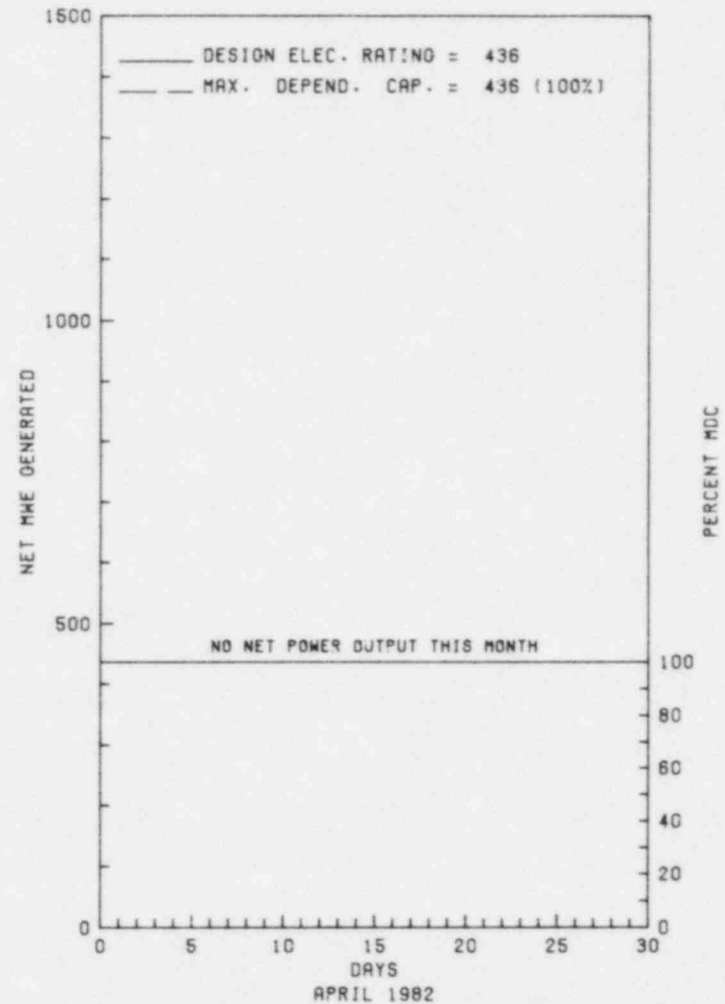
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/04/82

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	719.0	B	4				14 WEEK OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

* SUMMARY *

SAN ONOFRE 1 REMAINED SHUTDOWN IN A CONTINUING MAINTENANCE/SEISMIC BACKFIT OUTAGE.

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

* SAN ONOFRE 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....L. MILLER
LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-206
LICENSE & DATE ISSUANCE...DPR-13, MARCH 27, 1967
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE BRANCH LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA 92676

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

INSPECTION SUMMARY

+ INSPECTION ON OCTOBER 26 - NOVEMBER 6, 1981 (REPORT NO. 50-206/81-38) AREAS INSPECTED: SPECIAL, ANNOUNCED APPRAISAL OF THE EMERGENCY PREPAREDNESS PROGRAM INCLUDING ADMINISTRATION OF EMERGENCY PREPAREDNESS; EMERGENCY ORGANIZATION; TRAINING AND RETRAINING; FACILITIES AND EQUIPMENT; EMERGENCY PLAN IMPLEMENTING PROCEDURES; COORDINATION WITH OFFSITE GROUPS; AND DRILLS AND EXERCISES. THE INSPECTION INVOLVED 550 INSPECTOR-HOURS ONSITE BY SEVEN NRC INSPECTORS.

RESULTS: OF THE SEVEN AREAS INSPECTED, ONE SIGNIFICANT DEFICIENCY IN THE AREA OF FACILITIES AND EQUIPMENT WAS IDENTIFIED. THIS ITEM CONCERNED THE ABILITY OF THE UNIT 1 INTERIM, EXTENDED RANGE STACK EFFLUENT MONITOR FOR NOBLE GASES TO PROVIDE REQUIRED INFORMATION FOR EMERGENCY PLAN IMPLEMENTATION. A LETTER CONFIRMING THE LICENSEE'S PROPOSED CORRECTIVE ACTIONS FOR THIS DEFICIENCY WAS ISSUED BY NRC REGION V ON NOVEMBER 16, 1981.

+ INSPECTION ON JANUARY 12 - FEBRUARY 14, 1982 (REPORT NO. 50-206/82-01) REPORT SENT TO HEADQUARTERS FOR ACTION.

+ INSPECTION ON MARCH 08, 1982 (REPORT NO. 50-206/82-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 01-31, 1982 (REPORT NO. 50-206/82-10) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF PLANT OPERATIONS DURING LONG-TERM SHUTDOWN; MONTHLY MAINTENANCE AND SURVEILLANCE ACTIVITIES; ONSITE REVIEW COMMITTEE ACTIVITIES; FOLLOW-UP ON AN UNRESOLVED ITEM, INFORMATION NOTICE 82-06, NOTICES OF VIOLATIONS, AND LICENSEE EVENT REPORTS; AND INDEPENDENT INSPECTION EFFORT THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

INSPECTION SUMMARY

RESULTS: OF THE NINE AREAS INSPECTED, ONE DEVIATION WAS IDENTIFIED (FAILURE TO OPERATE MIXED-BED DEMINERALIZERS IN ACCORDANCE WITH DESIGN CRITERIA).

+ INSPECTION ON APRIL 05-09, 1982 (REPORT NO. 50-206/82-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE ACTION ON CIRCULARS, DESIGN CHANGES, AND MODIFICATIONS; IMPLEMENTATION OF AUDIT PROGRAM; SURVEILLANCE TESTING AND CALIBRATION PROGRAM; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 29 - APRIL 02, 1982 (REPORT NO. 50-206/82-12) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION BY A REGIONAL BASED INSPECTOR OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE SEISMIC UPGRADING OF THE TURBINE BUILDING. THE INSPECTION INVOLVED 33 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 16, 1980 - JUNE 30, 1981 (REPORT NO. 50-206/82-13) SALP REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 19-22, 1982 (REPORT NO. 50-206/82-14) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION BY A REGIONAL BASED INSPECTOR OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE SEISMIC UPGRADING OF THE TURBINE BUILDING, EDDY CURRENT TESTING OF STEAM GENERATOR TUBES, AND INSERVICE INSPECTION. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 01-30, 1982 (REPORT NO. 50-206/82-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

THE CODE OF FEDERAL REGULATIONS, TITLE 10 (ENERGY), PART 50, APPENDIX B, CRITERION II, REQUIRES HOLDERS OF OPERATING LICENSES TO HAVE A QUALITY ASSURANCE PROGRAM; AND CRITERION V REQUIRES THAT "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED...PROCEDURES...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE...PROCEDURES..." THE LICENSEE'S PROCEDURE, S-M-103, "MAINTENANCE ORDER," REVISION 4, DESCRIBES THE ADMINISTRATIVE CONTROLS APPLIED TO BOTH SAFETY AND NON-SAFETY RELATED MAINTENANCE. SECTION 6.3.2 OF PROCEDURE S-M-103 SPECIFIES THE INFORMATION THAT MUST BE ENTERED ON THE MAINTENANCE ORDER FORM PSSO 430. THIS INFORMATION INCLUDES THE TYPE OF APPROVAL NEEDED TO INITIATE THE WORK ("CLEARANCE" OR OTHER); THE NEED FOR RETESTING; TESTING OF THE REDUNDANT TRAIN; AN OPEN FLAME PERMIT; A RADIATION EXPOSURE PERMIT; QA/QC AND ENGINEERING EVALUATION. CONTRARY TO THE REQUIREMENT, MAINTENANCE ORDER NUMBER S05248, DATED SEPTEMBER 25, 1981, UTILIZED FOR SAFETY-RELATED MAINTENANCE DID NOT INCLUDE ANY OF THE ABOVE INFORMATION. A SIMILAR VIOLATION OCCURRED DURING THE PREVIOUS INSPECTION OF THE LICENSEE'S MAINTENANCE PROGRAM IN FEBRUARY, 1981 (INSPECTION REPORT 50-206/81-05).
(8205 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

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1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVID DUPREE (615) 751-0343,45

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1163

8. Maximum Dependable Capacity (Net MWe): 1128

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>7,296.0</u>
13. Hours Reactor Critical	<u>671.4</u>	<u>1,564.0</u>	<u>4,365.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>611.6</u>	<u>1,462.0</u>	<u>4,152.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,016,499</u>	<u>4,520,633</u>	<u>12,585,547</u>
18. Gross Elec Ener (MWH)	<u>680,790</u>	<u>1,526,980</u>	<u>4,172,930</u>
19. Net Elec Ener (MWH)	<u>652,435</u>	<u>1,448,320</u>	<u>3,975,345</u>
20. Unit Service Factor	<u>85.1</u>	<u>50.8</u>	<u>56.9</u>
21. Unit Avail Factor	<u>85.1</u>	<u>50.8</u>	<u>56.9</u>
22. Unit Cap Factor (MDC Net)	<u>80.4</u>	<u>44.6</u>	<u>48.3</u>
23. Unit Cap Factor (DER Net)	<u>79.0</u>	<u>44.4</u>	<u>47.5</u>
24. Unit Forced Outage Rate	<u>14.9</u>	<u>45.7</u>	<u>30.8</u>
25. Forced Outage Hours	<u>107.4</u>	<u>1,229.2</u>	<u>1,849.9</u>

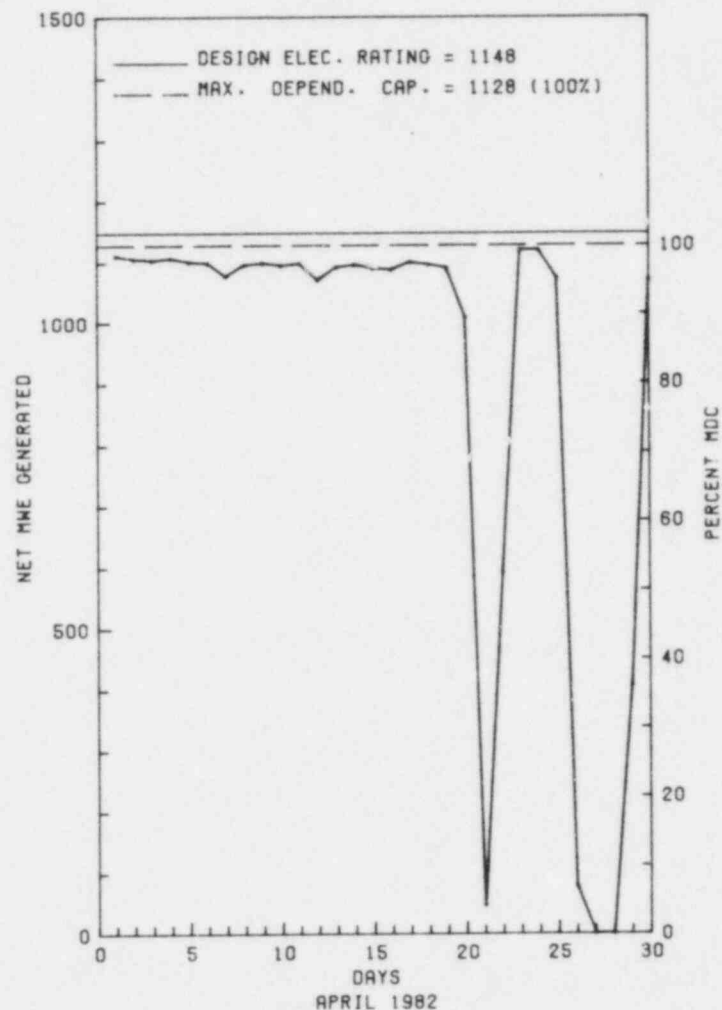
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING/MODIFICATION OUTAGE - 09/21/82 - 6 MONTHS.

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

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
12	04/21/82	F	18.6	A	3			LO-LO #1 S/G LEVEL - FEEDWATER CONTROLS FAILED TO CONTROL IN AUTO RX TRIPPED 8% POWER.
13	04/26/82	F	88.8	A	3			CONTROL ROD M/G SET PROBLEMS.

* SUMMARY *

SEQUOYAH 1 OPERATED ROUTINELY WITH 2 OUTAGES DUE TO EQUIPMENT FAILURE DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
 CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 5, 1980

DATE ELEC ENER 1ST GENER...JULY 22, 1980

DATE COMMERCIAL OPERATE...JULY 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHL
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE...DPR-77, SEPTEMBER 17, 1980

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
 1001 BROAD STREET
 CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION MARCH 29 - APRIL 2 (82-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, NON-LICENSED PERSONNEL TRAINING, AND REVIEW OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; THREE VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO CONDUCT INITIAL TRAINING AND REPLACEMENT TRAINING; FAILURE TO IMPLEMENT RETRAINING REQUIRED BY PROCEDURES; AND FAILURE TO TRAIN OUTAGE CRAFTSMEN IN THE QUALITY ASSURANCE PROGRAM).

INSPECTION MARCH 5 - APRIL 5 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 124 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 2 STARTUP TESTING, PLANT INCIDENTS AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO FOLLOW PROCEDURES BY ASSISTANT SHIFT ENGINEER AND CHEMICAL TECHNICIAN SECURITY VIOLATION).

INSPECTION APRIL 5-9 (82-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION AND RADWASTE MANAGEMENT. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THESE AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 5 - APRIL 5, 1982 +

INSPECTION REPORT NO: 50-327/82-06 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-024/ 03L-0	02/18/82	03/19/82	INOPERABILITY OF THE TURBINE BUILDING SUMP MONITOR AND CONDENSATE DEMINERLIZER EFFLUENT MONITOR
82-025/ 03L-0	02/12/82	03/18/82	INOPERABILITY OF ONE PRESSURIZER LEVEL CHANNEL
82-027/ 01T-0	03/07/82	03/19/82	CONTAINMENT SPRAY HEAT EXCHANGER 1A FOUND TO HAVE LOW EMERGENCY RAW COOLING WATER FLOW
82-029/ 03L-0	02/15/82	03/16/82	INOPERABILITY OF GLYCOL CONTAINMENT ISOLATION VALVE 1-FCV-61-194
82-033/ 03L-0	03/04/82	04/02/82	CONTAINMENT PROCESS RADIATION MONITOR U-RM-90-106 AND 111 INOPERABLE
82-034/ 03L-0	03/03/82	04/01/82	EMERGENCY RAW COOLING WATER VALVE 1-HCV-67-537B FOUND CLOSED AND TAGGED WITH A HOLD ORDER
82-035/ 03L-0	03/03/82	04/01/82	AUXILIARY CONTROL AIR COMPRESSOR TRIPPED

* SEQUOYAH 1 *

Report Period APR 1982 R E P O R T S F R O M L I C E N S E E - (C O N T I N U E D)

03L-0

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1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVID DUPREE (615) 751-0343,45

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1185

8. Maximum Dependable Capacity (Net MWe): 1148

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>4,343.0</u>
13. Hours Reactor Critical	<u>593.3</u>	<u>1,881.0</u>	<u>2,138.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>581.6</u>	<u>1,748.0</u>	<u>1,761.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,611,435</u>	<u>3,352,788</u>	<u>3,368,701</u>
18. Gross Elec Ener (MWH)	<u>537,900</u>	<u>1,075,300</u>	<u>1,077,204</u>
19. Net Elec Ener (MWH)	<u>510,873</u>	<u>986,343</u>	<u>986,343</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>136.8</u>	<u>870.8</u>	<u>1,073.0</u>

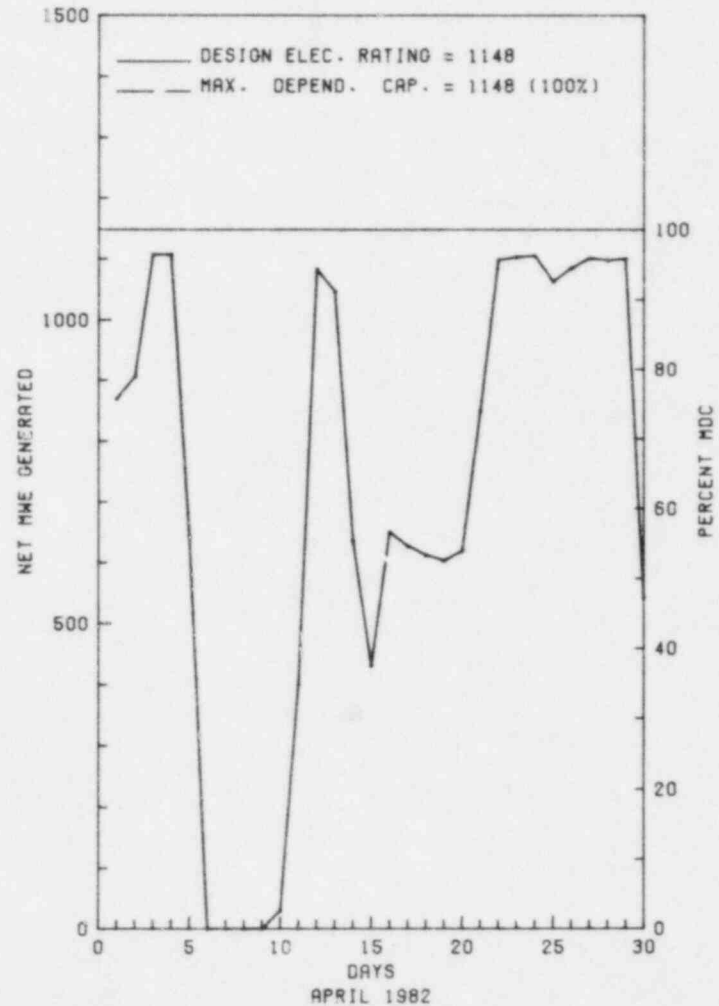
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
ICE WEIGHING PER TECH SPECS 5/15/82.

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

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/01/82	F	0.0	F	5				DERATE FOR STEAM GENERATOR CHEMISTRY.
17	04/05/82	F	126.0	B	3				INSTRUMENTATION WORKING ON SENSE LINE (#1 LOOP) CAUSED ALL THREE F.T.'S TO PICK UP LOW FLOW, BY TRIP.
18	04/11/82	S	0.6	B	3				PERFORM TURBINE OVERSPEED TEST. RX @ 20% (OFF LINE).
19	04/14/82	F	4.2	A	3				THRUST BEARING TRIPPED CAUSED TURBINE TRIP, RX TRIP (LO-LO S/G LEVEL).
20	04/30/82	F	6.6	A	3				2 'B' MFPT TRIPPED DUE TO BAD COIL IN RACK 2-R-72, CAUSED TURBINE TRIP, RX TRIP.

 * SUMMARY *

 SEQUOYAH 2 OPERATED WITH 4 OUTAGES AND 1 REDUCTION DURING APRIL.

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

* SEQUOYAH 2 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR ..9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 5, 1981
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1982
DATE COMMERCIAL OPERATE....*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....831 POWER BUILDING
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

REGULATORY RESPONSIBLE.....II
REGULATORY INSPECTOR.....E. FORD
LICENSING PROJ MANAGER.....C. STAHL
DOCKET NUMBER.....50-328
LICENSE & DATE ISSUANCE...DPR-79, SEPTEMBER 15, 1981
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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION DECEMBER 22-29 (81-51): THIS SPECIAL INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREA OF TECHNICAL SPECIFICATION COMPLIANCE FOR REACTIVITY CONTROL SYSTEMS (MODERATOR TEMPERATURE COEFFICIENT). IN THE AREA INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION 3.1.1.3.A, MODERATOR TEMPERATURE COEFFICIENT; FAILURE TO COMPLY WITH TECH SPECIFICATION 6.8.1.C, ESTABLISH, IMPLEMENT AND MAINTAIN WRITTEN PROCEDURES CONCERNING SURVEILLANCE OF SAFETY RELATED EQUIPMENT; AND FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION 6.4.1, THAT A RETRAINING PROGRAM FOR THE UNIT STAFF SHALL BE MAINTAINED AND SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 5.5 OF ANSI N18.1-1971).

INSPECTION MARCH 29 - APRIL 2 (82-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, NON-LICENSED PERSONNEL TRAINING, AND REVIEW OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; THREE VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO CONDUCT INITIAL TRAINING AND REPLACEMENT TRAINING; FAILURE TO IMPLEMENT RETRAINING REQUIRED BY PROCEDURES; AND FAILURE TO TRAIN OUTAGE CRAFTMENT IN THE QUALITY ASSURANCE PROGRAM).

INSPECTION APRIL 5-9 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION AND RADWASTE MANAGEMENT. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THESE AREAS.

INSPECTION MARCH 5 - APRIL 5 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 124 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 2 STARTUP TESTING, PLANT INCIDENTS AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS;

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-026/ 03L-0	02/21/82	03/23/82	INOPERABILITY OF CONTAINMENT SUMP LEVEL TRANSMITTER
82-030/ 03L-0	03/05/82	03/31/82	AUXILIARY FEEDWATER AUTOMATIC CONTROL VALVE LEVEL CONTROLLER INOPERABLE
82-031/ 03L-0	03/04/82	04/02/82	REFUELING WATER STORAGE TANK LEVEL TRANSMITTER INOPERABLE
82-032/ 03L-0	02/28/82	03/29/82	ROD POSITION INDICATOR ON ROD M-4 ON CONTROL BANK D INOPERABLE

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1. Docket: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: V. T. CHIJSOON (305) 552-3824

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 802

7. Maximum Dependable Capacity (Gross MWe): 822

8. Maximum Dependable Capacity (Net MWe): 777

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>46,967.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,879.0</u>	<u>37,708.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,879.0</u>	<u>36,874.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,922,445</u>	<u>7,644,559</u>	<u>90,968,478</u>
18. Gross Elec Ener (MWH)	<u>631,970</u>	<u>2,506,380</u>	<u>29,564,495</u>
19. Net Elec Ener (MWH)	<u>599,796</u>	<u>2,378,208</u>	<u>27,853,182</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>78.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>107.4</u>	<u>106.3</u>	<u>76.3</u>
23. Unit Cap Factor (DER Net)	<u>104.0</u>	<u>103.0</u>	<u>73.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,006.6</u>

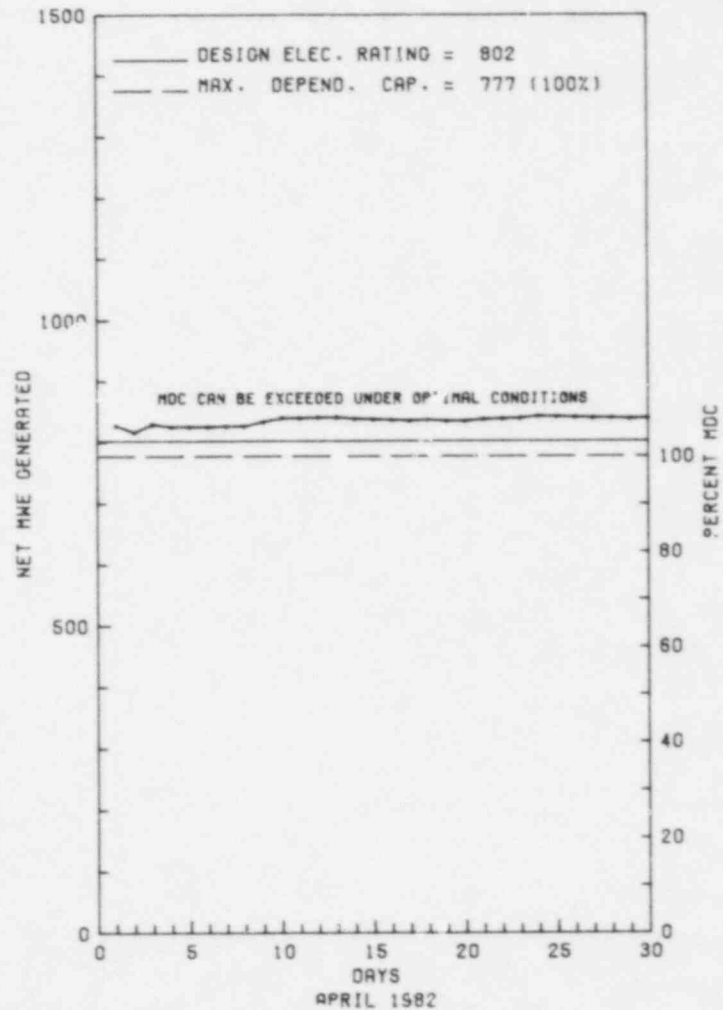
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
STEAM GENERATOR INSPECTION, MAY 5, 2 WEEKS.

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
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NONE

* SUMMARY *

ST. LUCIE 1 OPERATED AT FULL POWER DURING APRIL WITH NO REPORTABLE OUTAGES OR REDUCTIONS.

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

* ST LUCIE 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....S. ELROD
LICENSING PROJ MANAGER.....E. CONNER
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER JUNIOR COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION MARCH 9-12 (82-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDING, IE BULLETIN 80-11, IE CIRCULAR 81-08, AND THE UNIT 2 CONCRETE REPAIR PROGRAM. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (INADEQUATE INSPECTION OF MASONRY WALL MODIFICATION).

INSPECTION MARCH 9-12 (82-10): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14); AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IEB 79-02). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 11 - APRIL 10 (82-12): THIS ROUTINE INSPECTION INVOLVED 204 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF IE BULLETINS, PLANT OPERATIONS, SURVEILLANCE, MAINTENANCE, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, PLANT PROCEDURES REVIEW, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 6.8.1.A THAT REQUIRES WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED, THE LICENSEE FAILED TO

1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>82,007.0</u>
13. Hours Reactor Critical	<u>668.0</u>	<u>2,435.5</u>	<u>48,471.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,731.5</u>
15. Hrs Generator On-Line	<u>626.0</u>	<u>2,379.6</u>	<u>47,454.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,454,961</u>	<u>5,536,036</u>	<u>109,869,303</u>
18. Gross Elec Ener (MWH)	<u>465,525</u>	<u>1,751,480</u>	<u>35,570,693</u>
19. Net Elec Ener (MWH)	<u>441,210</u>	<u>1,661,732</u>	<u>33,738,968</u>
20. Unit Service Factor	<u>87.1</u>	<u>82.7</u>	<u>57.9</u>
21. Unit Avail Factor	<u>87.1</u>	<u>82.7</u>	<u>62.4</u>
22. Unit Cap Factor (MDC Net)	<u>79.2</u>	<u>74.5</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>77.9</u>	<u>73.2</u>	<u>52.2</u>
24. Unit Forced Outage Rate	<u>12.9</u>	<u>7.0</u>	<u>24.7</u>
25. Forced Outage Hours	<u>93.0</u>	<u>180.0</u>	<u>11,845.3</u>

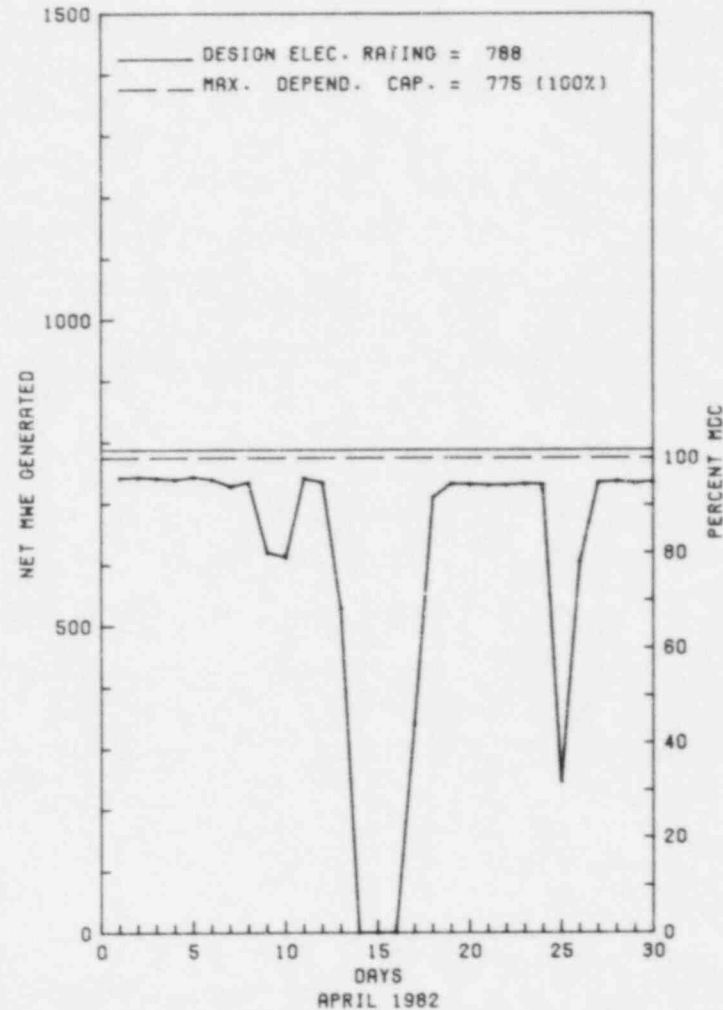
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE - 11-19-82 - 10 DAYS.

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

* S U R R Y 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-8	04/09/82	S	0.0	F	5				REDUCED POWER TO ALLOW SECURING "A" MAIN FEEDWATER PUMP TO REDUCE "A" RESERVE STATION SERVICE TRANSFORMER LOAD DURING UNIT 2 STARTUP.
82-9	04/12/82	F	0.0	A	5				OPERATOR REDUCED POWER TO STABILIZE THE UNIT FOLLOWING LOSS OF THE HIGH PRESSURE HEATER DRAIN PUMP.
82-10	04/13/82	F	24.8	A	3	82-045/03L	WB	VALVOP	LOSS OF "A" RCP CAUSED A REACTOR TRIP ON LOW FLOW AND A HIGH STEAM FLOW - LOW TAVE AND S1. THE ELECTRICAL PROBLEM WAS CORRECTED PRIOR TO STARTUP.
82-11	04/14/82	F	7.2	H	3				THE REACTOR TRIPPED ON A HEADER TO LINE STEAM PRESSURE DIFFERENTIAL SIGNAL. THE S1 WAS CAUSED BY A SPURIOUS VIBRATION INDUCED HEADER PRESSURE SIGNAL.
82-12	04/15/82	F	13.7	A	3				THE REACTOR TRIPPED ON A LOW LEVEL IN "C" S/G COINCIDENT WITH A FEED FLOW - STEAM FLOW MISMATCH. IT WAS LATER DISCOVERED THE "FEEDBACK ARM" ON THE "C" MAIN FEED FLOW CONTROL VALVE WAS BROKEN.
82-13	04/15/82	F	11.7	H	3				THE REACTOR TRIPPED ON A HEADER TO LINE STEAM PRESSURE DIFFERENTIAL PRESSURE SIGNAL. ALL ASSOCIATED PRESSURE TRANSMITTERS AND CIRCUITRY WAS CHECKED PRIOR TO STARTUP.
82-14	04/16/82	F	7.4	A	3				THE REACTOR TRIPPED ON A LOW - LOW LEVEL IN "C" S/G. THE BROKEN "FEEDBACK ARM" ON THE MAIN FEED FLOW CONTROL VALVE WAS DISCOVERED AND REPAIRED FOLLOWING THIS TRIP.
82-15	04/16/82	F	17.8	G	3				THE REACTOR TRIPPED ON "C" S/G LOW LEVEL COINCIDENT WITH A FEED FLOW - STEAM FLOW MISMATCH SIGNAL WHILE FEEDING THE S/G'S IN MANUAL.
82-16	04/25/82	F	8.5	A	3				THE REACTOR TRIPPED ON A LOW LOW LEVEL IN "C" S/G WHEN THE MAIN FEED FLOW CONTROL VALVE FAILED CLOSED. THE DIAPHRAGM ON THE PNEUMATIC OPERATOR WAS REPLACED PRIOR TO STARTUP.
82-17	04/25/82	F	1.9	G	3				THE REACTOR TRIPPED ON AN INTERMEDIATE RANGE NEUTRON DETECTOR HIGH FLUX SIGNAL BECAUSE THE OPERATOR FAILED TO BLOCK THIS TRIP AT 10% POWER. THE OPERATOR WAS COUNSELED REGARDING THE FAILURE TO BLOCK THE TRIP AS REQUIRED.

***** SURRY 1 OPERATED WITH 2 REDUCTIONS AND 8 OUTAGES DURING APRIL.

* SUMMARY *

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

* SURRY 1 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 1, 1972
DATE ELEC ENER 1ST GENER...JULY 4, 1972
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION MARCH 24-25 (82-07): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED FIVE INSPECTOR-HOURS ON SITE PARTICIPATING IN AN ENFORCEMENT MEETING ASSOCIATED WITH THE INOPERABLE MAIN STEAM FLOW INSTRUMENTS AND A PLANT TOUR. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 1-31 (82-08): THIS INSPECTION INVOLVED 108 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, IE BULLETIN FOLLOWUP, LICENSEE EVENT REPORTS, AND PLANT SECURITY. IN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period APR 1982

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

* SURRY 1 *

03L-0

82-033/ 02/27/82 03/25/82 TURBINE BUILDING COMPONENT COOLING WATER VALVE PIT CONTAINED WATER
03L-0

82-035 03/07/82 04/02/82 INOPERABILITY OF 1-CH-P-1B CHARGING PUMP
03L-0

82-037/ 03/16/82 03/25/82 LOSS OF HEAT TRACE ON BORON INJECTION TANK
03L-0

82-039/ 03/02/82 03/25/82 TWO UNIT 2 CONDENSER OUTLET VALVES FOUND OPEN WITH POWER SUPPLY REMOVED FROM MOTOR OPERATORS
03L-0

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Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-22	04/03/82	S	0.0	A	5				REDUCED POWER TO ALLOW SECURING "B" MAIN FEEDWATER PUMP FOR SEAL REPAIRS.
82-23	04/04/82	S	0.0	A	5				REDUCED POWER TO ALLOW SECURING "B" MAIN FEEDWATER PUMP FOR SEAL REPAIRS.
82-24	04/06/82	F	100.1	A	1				REACTOR SHUTDOWN DUE TO 1 GPM UNISOLABLE REACTOR COOLANT LEAKAGE THROUGH VALVE PACKING. VALVE WAS REPACKED PRIOR TO UNIT RECOVERY.
82-25	04/13/82	F	0.0	A	5	82-022/03L	IB	INSTRU	TURBINE RUNBACK ON SPURIOUS DROPPED ROD SIGNAL CAUSED BY LOSS OF BOTH AUTO TIE TRANSFORMERS IN THE SWITCHYARD. AUTO TIE TRANSFORMERS WERE REPAIRED AND RETURNED TO SERVICE.

 * SUMMARY *

 SURRY 2 OPERATED NORMALLY WITH 3 REDUCTIONS AND 1 OUTAGE DURING APRIL.

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

* SURRY 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1973
DATE ELEC ENER 1ST GENER...MARCH 10, 1973
DATE COMMERCIAL OPERATE...MAY 1, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-281
LICENSE & DATE ISSUANCE...DPR-37, JANUARY 29, 1973
PUBLIC DOCUMENT ROOM.....SPEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION MARCH 24-25 (82-07): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED FOUR INSPECTOR-HOURS ON SITE PARTICIPATING IN AN ENFORCEMENT MEETING ASSOCIATED WITH THE INOPERABLE MAIN STEAM FLOW INSTRUMENTS AND A PLANT TOUR. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 1-31 (82-08): THIS INSPECTION INVOLVED 107 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, IE BULLETIN FOLLOWUP, LICENSEE EVENT REPORTS, AND PLANT SECURITY. IN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>67,152.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>838.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>76,531,071</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,484,330</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>23,840,053</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>46.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>46.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>45.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>43.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>47.8</u>
25. Forced Outage Hours	<u>719.0</u>	<u>2,879.0</u>	<u>28,484.5</u>

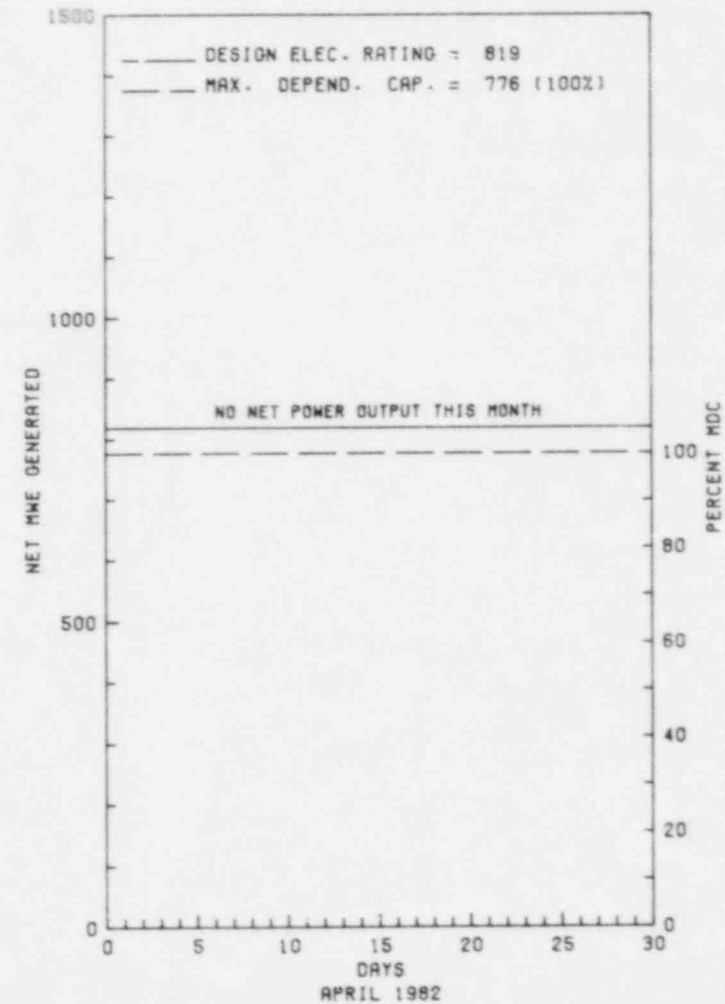
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



* Item calculated with a Weighted Average

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/17/79	F	719.0	D	4				REGULATORY RESTRAINT ORDER CONTINUES.

 * SUMMARY *

 THREE MILE ISLAND 1 REMAINS SHUTDOWN FOLLOWING THE ACCIDENT AT THREE MILE ISLAND 2.

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

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE...SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....D. HAVERKAMP
LICENSING PROJ MANAGER.....R. JACOBS
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE...DPR-50, JUNE 24, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
EDUCATION BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17126

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

INSPECTION SUMMARY

+ 50-289/82-02 - FEB 17 - MAR 5: ROUTINE SAFETY INSPECTION BY RESIDENT AND REGION BASED INSPECTORS (165 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; START OPERATIONS DURING LONG TERM SHUTDOWN INCLUDING FACILITY TOURS AND LOG AND RECORD REVIEWS; REPLACEMENT OF INDUSTRIAL COOLER SYSTEM VALVE RB-V7; STEAM GENERATOR TUBE DEGRADATION; IE BULLETIN AND CIRCULAR FOLLOWUP; AND LICENSEE EVENT REPORTS - IN-OFFICE REVIEW. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW A STEAM GENERATOR REPAIR PROCEDURE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

+ THE CAUSE AND FINAL CORRECTIVE MEASURES OF THE ONCE THROUGH STEAM GENERATOR (OTSG) TUBE DEGRADATION DISCOVERED ON NOVEMBER 21, 1981, ARE BEING DETERMINED BY LICENSEE AND NRC STAFFS. COMPLETION OF REQUIRED MODIFICATION PRIOR TO RESTART CONTINUES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

+ NONE

PLANT STATUS:

+ THE PLANT REMAINS SHUTDOWN BY NRC ORDER, PENDING COMPLETION OF MODIFICATIONS AND OTHER ACTIONS RELATED TO THE TMI-2 ACCIDENT. DUE TO CORROSION OF THE OTSG'S ON THE PRIMARY SIDE, THE LICENSEE REMOVED THE REACTOR VESSEL HEAD AND CONDUCTED A VISUAL INSPECTION OF THE REACTOR VESSEL INTERNAL COMPONENTS. RESEATING OF THE REACTOR VESSEL HEAD IS SCHEDULED TO BE PERFORMED THE BEGINNING OF MAY 1982.

LAST IE SITE INSPECTION DATE: 4/14 - 5/7/82 +

INSPECTION REPORT NO: 50-289/82-07 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 03L	01/28/82	04/14/82	INSPECTION OF LEAKAGE DEPOSITS FROM VALVE WDG-V4, A CONTAINMENT ISOLATION VALVE FOR THE RADIOACTIVE WASTE GAS DISPOSAL SYSTEM LED TO THE DISCOVERY OF TWO CRACKS IN ASSOCIATED PIPING
82-003/ 01T	03/18/82	03/31/82	WHILE REGENERATING DEMINERALIZER BEDS, AN AUXILIARY OPERATOR INADVERTENTLY OVERFLOWED THE SECONDARY NEUTRALIZING TANK (SNT) TO THE PLANT'S EFFLUENT DISCHARGE TO THE RIVER (APPROXIMATELY 2,500 GALLONS OF 3 TO 5 PH WATER)

1. Docket: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: G. J. KENT (503) 556-3713

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>49,631.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,909.7</u>	<u>31,372.9</u>
14. Rx Reserve Shtdwn Hrs	<u>432.0</u>	<u>571.3</u>	<u>2,743.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,885.1</u>	<u>30,373.3</u>
16. Unit Reserve Shtdwn Hrs	<u>432.0</u>	<u>571.3</u>	<u>2,080.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,251,074</u>	<u>94,769,851</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,932,415</u>	<u>31,101,786</u>
19. Net Elec Ener (MWH)	<u>-5,096</u>	<u>1,831,449</u>	<u>29,362,138</u>
20. Unit Service Factor	<u>.0</u>	<u>65.5</u>	<u>61.2</u>
21. Unit Avail Factor	<u>60.1</u>	<u>85.3</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.9</u>	<u>54.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>56.3</u>	<u>52.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.7</u>	<u>20.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>135.6</u>	<u>7,994.4</u>

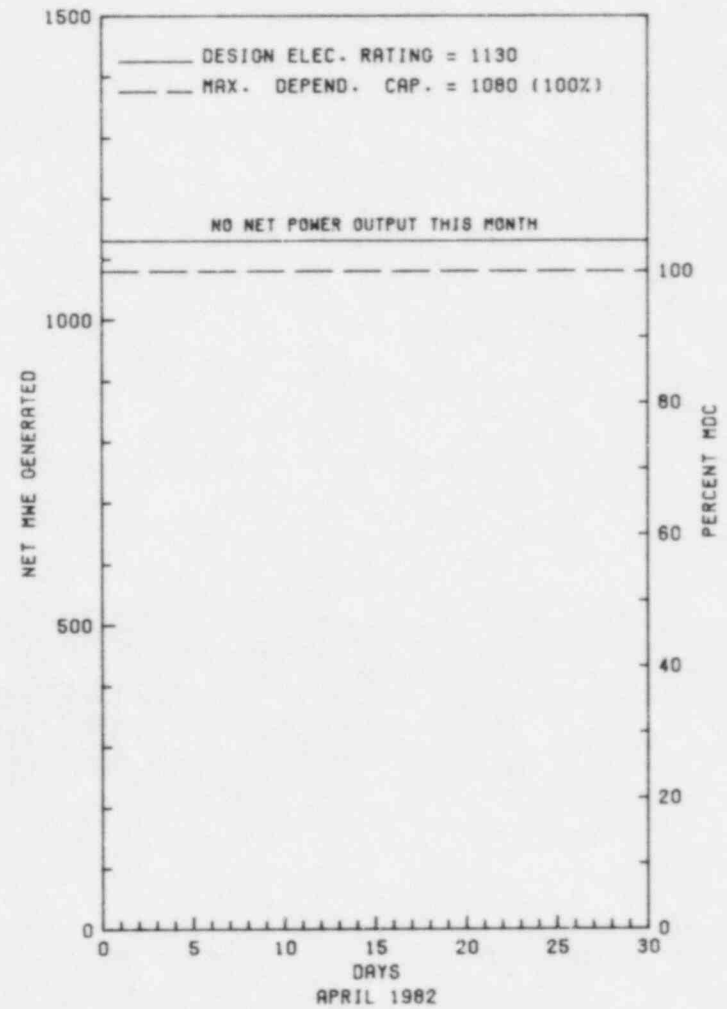
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/02/82

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-06	03/26/82	S	432.0	F	4				THE MONTH BEGAN WITH THE PLANT SHUTDOWN IN MODE 3. FOR THE PERIOD FROM APRIL 1 TO APRIL 19, THE SHUTDOWN WAS DUE TO A FAVORABLE POWER SITUATION IN THE NORTHWEST. ABUNDANT HYDROELECTRIC POWER WAS AVAILABLE AND ITS UTILIZATION WAS MORE ECONOMICAL THAN CONTINUED PLANT GENERATION.
82-06A	04/19/82	S	287.0	C	1				THE 1982 REFUELING OUTAGE BEGAN APRIL 19, 1982, 0000 HOURS AND CONTINUED TO THE END OF THE MONTH.

***** TROJAN REMAINED OFFLINE THE ENTIRE MONTH OF APRIL DUE TO BOTH ADMINISTRATIVE AND REFUELING OUTAGES.
 * SUMMARY *

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

Report Period APR 1982

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

* TROJAN *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
01-12-82	01-12-82	04-12-82	INADVERTENT SI ACTUATION WHILE TRANSFERRING BUS Y22 (SPECIAL REPORT).
01-16-82	01-16-82	04-12-82	INADVERTENT SI ACTUATION CAUSED BY FAILURE OF INVERTER 2 (SPECIAL REPORT).
82-04/ 03L-0	03-02-82	04-02-82	"B" CONTAINMENT SPRAY AND CHARGING PUMP SWITCHES IN "PULL TO LOCK."

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1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: V. T. CHILSON (305) 552-3824

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 680

8. Maximum Dependable Capacity (Net MWe): 646

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>82,424.6</u>
13. Hours Reactor Critical	<u>514.6</u>	<u>514.6</u>	<u>56,274.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>437.7</u>	<u>437.7</u>	<u>54,329.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>905,576</u>	<u>905,576</u>	<u>110,103,131</u>
18. Gross Elec Ener (MWH)	<u>290,150</u>	<u>290,150</u>	<u>34,983,775</u>
19. Net Elec Ener (MWH)	<u>271,537</u>	<u>265,919</u>	<u>33,087,585</u>
20. Unit Service Factor	<u>60.9</u>	<u>15.2</u>	<u>65.9</u>
21. Unit Avail Factor	<u>60.9</u>	<u>15.2</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>58.5</u>	<u>14.3</u>	<u>62.1*</u>
23. Unit Cap Factor (DER Net)	<u>54.5</u>	<u>13.3</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>9.2</u>	<u>9.2</u>	<u>5.1</u>
25. Forced Outage hours	<u>44.4</u>	<u>44.4</u>	<u>2,368.6</u>

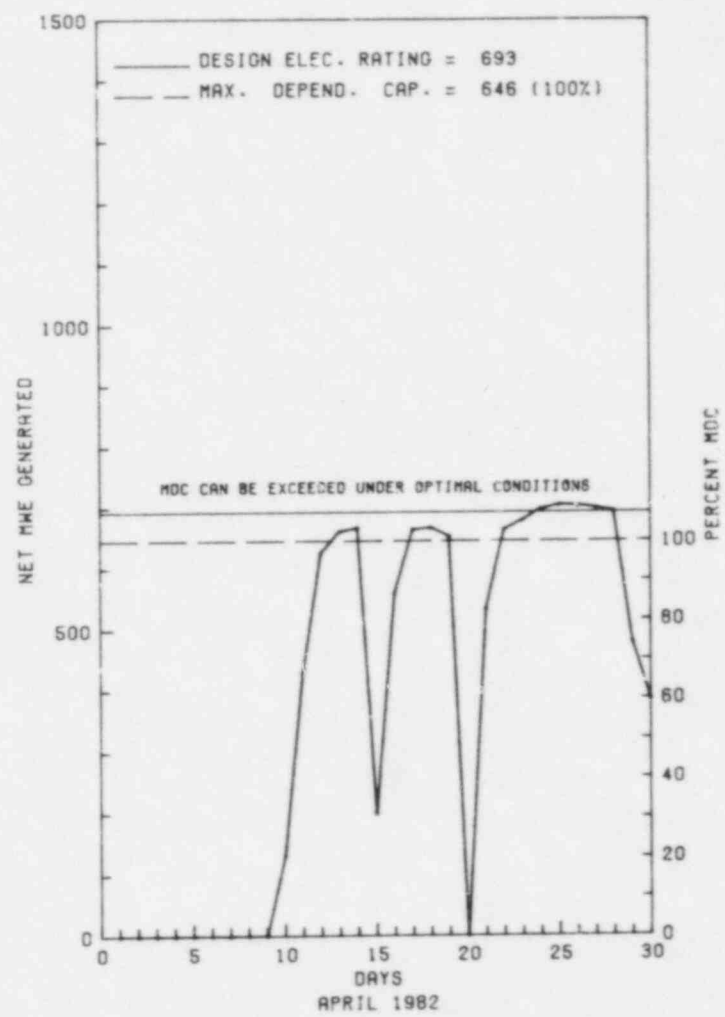
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
05	06/24/81	S	219.6	B	4		HB	HTEXCH	STEAM GENERATOR REPAIR PROGRAM (CONTINUED).
01	04/10/82	F	6.5	A	3		IA	INSTRU	REACTOR TRIP CAUSED BY A SPIKE ON ONE CHANNEL OF OVER TEMPERATURE DELTA T INSTRUMENT WHILE PERFORMING MAINTENANCE ON THE OTHER CHANNEL.
02	04/15/82	S	17.3	B	1		HA	TURBIN	UNIT TAKEN OFF LINE FOR TURBINE OVER SPEED TEST, THEN SHUTDOWN FOLLOWING INDICATION OF A DROPPED ROD.
03	04/20/82	F	21.7	A	3		HH	CKTBRK	REACTOR TRIP DUE TO HIGH STEAM GENERATOR LEVEL WHICH WAS CAUSED BY A FAILURE OF THE CONTROLLER OF THE FEED REGULATING VALVE.
04	04/20/82	F	5.4	A	3		HH	CKTBRK	SEE CAUSE FOR SHUTDOWN #3 ABOVE. CONTROLLER WAS REPAIRED.
05-A	04/29/82	F	10.8	A	3		HH	PUMPXX	REACTOR TRIP CAUSED BY LOW LEVEL IN THE STEAM GENERATOR DUE TO FAILURE OF A CONDENSATE PUMP. A SECOND TRIP OCCURRED WHILE STILL OFF LINE DUE TO A POWER SPIKE TO NUCLEAR INSTRUMENTS.
06	04/30/82	F	0.0	A	5		HH	PUMPXX	POWER REDUCTION DUE TO REDUCED NUMBER OF CONDENSATE PUMPS AVAILABLE.

 * SUMMARY *

 TURKEY POINT 3 OPERATED WITH 6 OUTAGES AND 1 REDUCTION DURING APRIL.

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

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972

CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. VOGT LOWELL

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER... ..50-250

LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972

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

INSPECTION SUMMARY

+ INSPECTION MARCH 1-5 AND 8-12 (82-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 86 INSPECTOR-HOURS ON SITE AND AT THE GENERAL OFFICES IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; DESIGN CHANGES AND MODIFICATIONS; PROCEDURES; CALIBRATION; SURVEILLANCE; MAINTENANCE; QA PROGRAM REVIEW; AUDITS; TRAINING; REQUALIFICATION TRAINING; ORGANIZATION AND ADMINISTRATION; REVIEW AND AUDITS; PREPARATION FOR REFUELING; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 10 AREAS; 4 VIOLATIONS WERE FOUND IN 4 AREAS (FAILURE TO INCLUDE ACCEPTANCE CRITERIA IN A MAINTENANCE PROCEDURE; FAILURE TO PROMPTLY CORRECT CONDITIONS ADVERSE TO QUALITY; FAILURE TO DOCUMENT TECHNICAL SPECIFICATION REVIEWS; AND FAILURE OF PNSC TO MEET TECHNICAL SPECIFICATION REQUIREMENTS).

INSPECTION MARCH 14-17 (82-13): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 99 INSPECTOR-HOURS ON SITE IN THE AREAS OF A FULL SCALE COORDINATED RADIOLOGICAL EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 27-29 (82-14): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF CONTAINMENT INTEGRATED LEAKAGE RATE TESTING. WITHIN THE SCOPE OF THIS INSPECTION, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 23-25 (82-15): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF THE UNITS 3 AND 4 CONTAINMENT BUILDING TENDON SURVEILLANCE PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREA INSPECTED.

INSPECTION APRIL 5-9 (82-17): INCLUDED REVIEW OF SITE ORIENTATION; SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; RECORDS AND REPORTS; LOCKS, KEYS

* TURKEY POINT 3 *

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

Report Period APR 1982

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 03L-0	02/16/82	03/18/82	WEST FIRE PUMP FAILED TO START AUTOMATICALLY

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1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: V. T. CHILSON (305) 552-3824

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 680

8. Maximum Dependable Capacity (Net MWe): 646

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

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

11. Reasons for Restrictions, If Any:
NONE

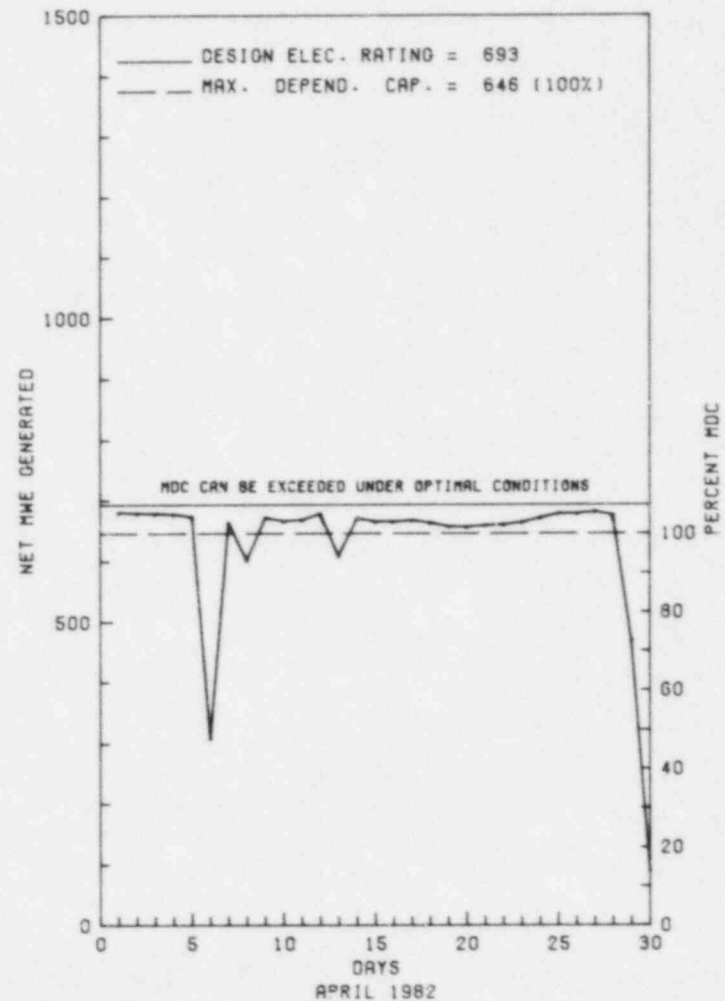
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>76,152.0</u>
13. Hours Reactor Critical	<u>699.9</u>	<u>2,700.1</u>	<u>56,679.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>679.9</u>	<u>2,658.1</u>	<u>54,742.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,484,540</u>	<u>5,824,275</u>	<u>115,040,898</u>
18. Gross Elec Ener (MWH)	<u>471,905</u>	<u>1,874,460</u>	<u>36,596,527</u>
19. Net Elec Ener (MWH)	<u>448,706</u>	<u>1,781,322</u>	<u>34,670,100</u>
20. Unit Service Factor	<u>94.6</u>	<u>92.3</u>	<u>71.9</u>
21. Unit Avail Factor	<u>94.6</u>	<u>92.3</u>	<u>71.9</u>
22. Unit Cap Factor (MDC Net)	<u>96.6</u>	<u>95.8</u>	<u>70.5*</u>
23. Unit Cap Factor (DER Net)	<u>90.1</u>	<u>89.3</u>	<u>65.7</u>
24. Unit Forced Outage Rate	<u>5.4</u>	<u>1.6</u>	<u>2.9</u>
25. Forced Outage Hours	<u>39.1</u>	<u>44.3</u>	<u>1,255.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5.	04/06/82	F	11.8	A	3		EB	ELECON	REACTOR TRIP DUE TO TURBINE RUNBACK CAUSED BY A GROUND ON A VITAL INSTRUMENT BUS. THE GROUND WAS REPAIRED.
6.	04/13/82	F	1.7	B	3		IA	INSTRU	REACTOR TRIP CAUSED BY A SPURIOUS SIGNAL WHICH OCCURRED DURING REACTOR PROTECTION SYSTEM TESTING.
7.	04/23/82	F	1.8	A	3		HH	PUMPXX	REACTOR TRIP DUE TO LOSS OF STEAM GENERATOR FEED CAUSED BY A CONDENSATE PUMP TRIP. FEEDWATER WAS RESTORED AND THE UNIT RETURNED TO POWER.
8.	04/29/82	F	7.1	A	3		HH	PUMPXX	REACTOR TRIP CAUSED BY TURBINE RUNBACK WHICH RESULTED FROM A LOSS OF INSTRUMENT POWER. THE INSTRUMENT WAS BEING POWERED FROM UNIT 3 WHICH HAD TRIPPED OFF THE LINE.
9.	04/30/82	F	16.7	A	3		HH	VALVEX	REACTOR TRIP CAUSED BY LOW LEVEL IN THE STEAM GENERATOR DUE TO MECHANICAL FAILURE OF FEED REGULATOR VALVE CONTROLLER.

 * SUMMARY *

 TURKEY POINT 4 OPERATED WITH 5 OUTAGES AND 1 REDUCTION DURING APRIL.

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

Report Period APR 1982

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

* TURKEY POINT 4 *

INSPECTION SUMMARY

BEGUN DURING AN OFFSHIFT PERIOD; 5 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 18 AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING AREA: ACCESS CONTROL - VEHICLES.

INSPECTION MARCH 30 - APRIL 1 (82-17): THIS SPECIAL INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREA OF REVIEW OF THE LICENSEE INVESTIGATION OF ONSITE DRUG USE BY CONTRACTOR EMPLOYEES. NO VIOLATIONS OF NRC REQUIREMENTS OR FP&L COMMITMENTS WERE IDENTIFIED.

INSPECTION MARCH 27-29 (82-18): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREAS OF CONTAINMENT INTEGRATED LEAKAGE RATE TESTING. WITHIN THE SCOPE OF THIS INSPECTION, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - APRIL 2 (82-20): THIS ROUTINE, ANNOUNCED INSPECTION 78 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PLANT EXERCISE; LICENSEE EVENT REPORT FOLLOWUP; PLANT OPERATIONS; SURVEILLANCE TEST OBSERVATION; PLANT TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO IMPLEMENT AND MAINTAIN PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 3-25, 1982 +

INSPECTION REPORT NO: 50-251/82-21 +

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 01T-0	03/17/82	03/31/82	REFUELING WATER STORAGE TANK OVERFLOW
82-003/ 03L-0	03/31/82	04/01/82	PIPE SUPPORTS ON COMPONENT COOLING WATER EXCEED ACCEPTANCE CRITERIA ESTABLISHED

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1. Docket: 50-271 OPERATING STATUS
 2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0
 3. Utility Contact: ANNE DOYLE (617) 872-8100
 4. Licensed Thermal Power (MWt): 1593
 5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563
 6. Design Electrical Rating (Net MWe): 514
 7. Maximum Dependable Capacity (Gross MWe): 535
 8. Maximum Dependable Capacity (Net MWe): 504
 9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

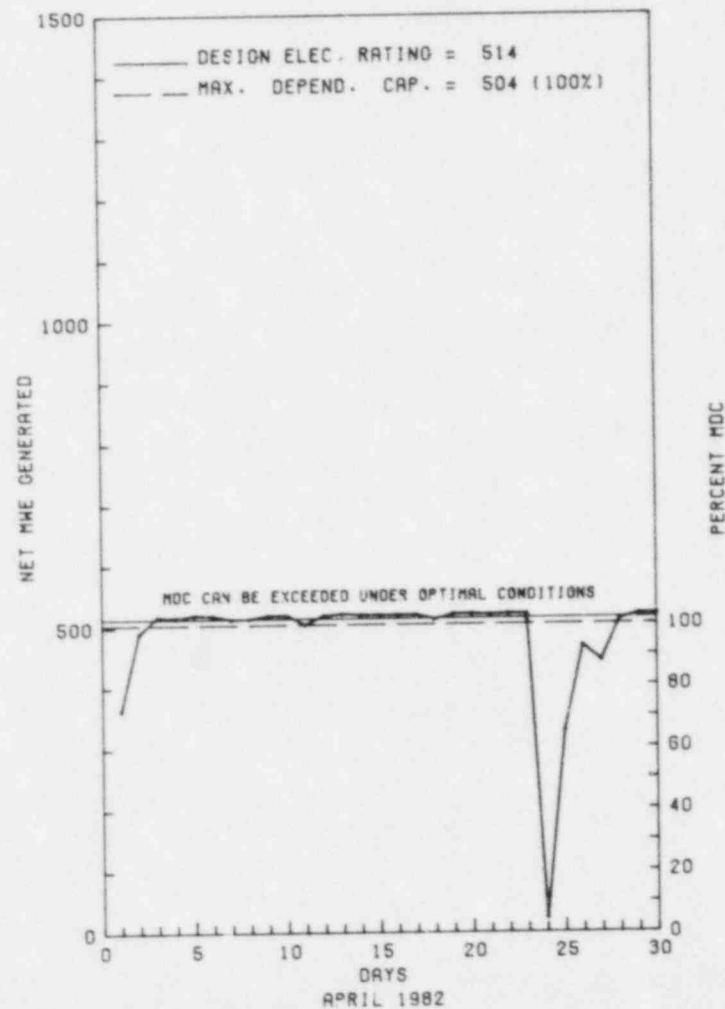
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>84,217.8</u>
13. Hours Reactor Critical	<u>699.9</u>	<u>2,792.2</u>	<u>67,870.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>696.7</u>	<u>2,774.9</u>	<u>65,786.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,077,390</u>	<u>4,320,211</u>	<u>94,235,967</u>
18. Gross Elec Ener (MWH)	<u>363,477</u>	<u>1,466,409</u>	<u>31,338,380</u>
19. Net Elec Ener (MWH)	<u>348,771</u>	<u>1,406,429</u>	<u>29,722,715</u>
20. Unit Service Factor	<u>96.9</u>	<u>96.4</u>	<u>78.1</u>
21. Unit Avail Factor	<u>96.9</u>	<u>96.4</u>	<u>78.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>96.9</u>	<u>70.0</u>
23. Unit Cap Factor (DER Net)	<u>94.4</u>	<u>95.0</u>	<u>68.7</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>3.6</u>	<u>6.7</u>
25. Forced Outage Hours	<u>22.3</u>	<u>104.1</u>	<u>3,421.6</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

 * VERMONT YANKEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause / Corrective Action to Prevent Recurrence
82-07	04/11/82	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR A CONTROL ROD PATTERN ADJUSTMENT AND SURVEILLANCE TESTING.
82-08	04/24/82	F	22.3	A	3		CH	INSTRU	REACTOR SCRAMMED ON LOW REACTOR VESSEL LEVEL DUE TO A FAILURE IN THE FEEDWATER CONTROL SYSTEM. AN INVESTIGATION REVEALED DIRT IN THE AIR CIRCUIT OF THE "A" FEEDWATER REGULATOR VALVE PNEUMATIC CURRENT-TO-PRESSURE CONVERTER. THIS CAUSED AN INCORRECT VALVE SIGNAL TO BE INITIATED. THE CONVERTER WAS REPLACED.

 * SUMMARY *

 VERMONT YANKEE OPERATED ROUTINELY DURING APRIL.

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

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT
COUNTY.....WINDHAM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 24, 1972
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972
DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER
CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER....V. ROONEY
DOCKET NUMBER.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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

INSPECTION SUMMARY

+ 50-271/80-14 - SEP 22 - OCT 3, 1980: A SPECIAL HEALTH PHYSICS APPRAISAL WAS CONDUCTED BY A REGION BASED INSPECTOR AND TWO CONTRACTOR INDIVIDUALS (240 HRS) TO EVALUATE THE OVERALL ADEQUACY AND EFFECTIVENESS OF THE IMPLEMENTATION OF THE RADIATION PROTECTION PROGRAM. THE APPRAISAL INCLUDED OBSERVATIONS OF WORK PRACTICES, REVIEWS OF FACILITIES, PROGRAMS, PROCEDURES AND RECORDS, AND INTERVIEWS WITH LICENSEE PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

+ 50-271/82-03 - FEB 2 - MAR 31: ROUTINE, ANNOUNCED INSPECTION ON REGULAR AND BACKSHIFTS BY TWO RESIDENT INSPECTORS (189 HRS) OF: ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONS, INCLUDING LOGS, RECORDS, EQUIPMENT STATUS AND SAFETY SYSTEMS; PHYSICAL SECURITY; SAFEGUARDS SYSTEM OPERABILITY; SURVEILLANCE ACTIVITIES; MAINTENANCE ACTIVITIES; PLANT EVENT FOLLOWUP; LICENSEE EVENT REPORTS, HPCI ISOLATION SETPOINT; NUREG 0737 TAP REQUIREMENTS; AND, EMERGENCY PREPAREDNESS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: ANNE DOYLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 175

9. If Changes Occur Above Since Last Report, Give Reasons:
TURBINE BAFFLE PLATES INSTALLED

10. Power Level To Which Restricted, If Any (Net MWe): 150

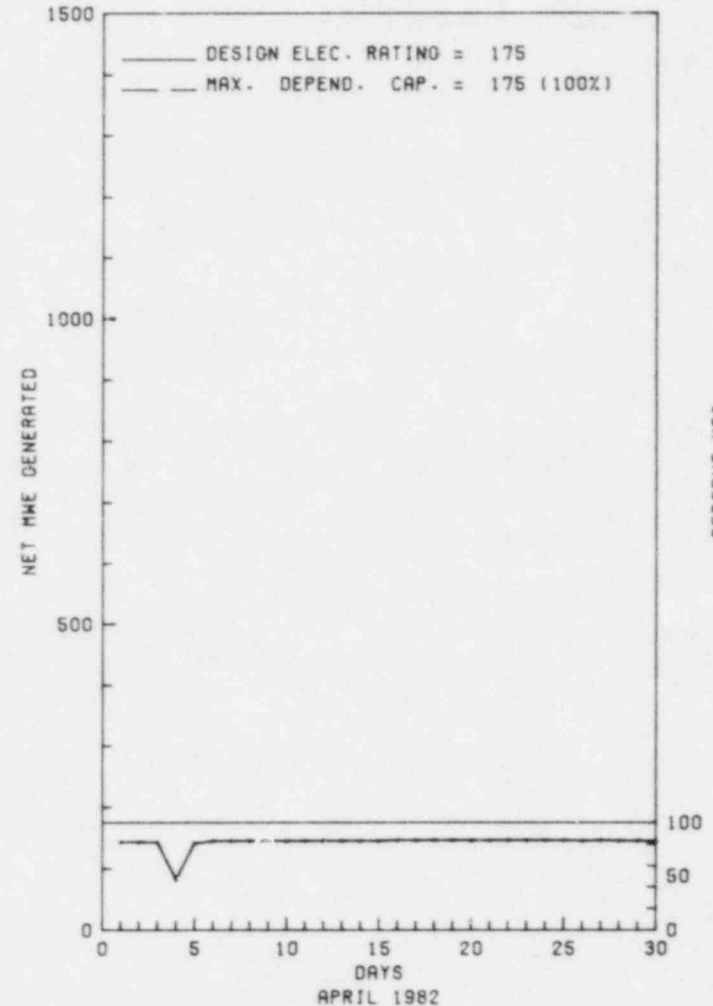
11. Reasons for Restrictions, If Any:
INSTALL TURBINE BAFFLE PLATES.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>188,060.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,879.0</u>	<u>149,810.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,879.0</u>	<u>145,359.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>425,044</u>	<u>1,704,843</u>	<u>78,209,777</u>
18. Gross Elec Ener (MWH)	<u>110,936</u>	<u>441,487</u>	<u>23,781,180</u>
19. Net Elec Ener (MWH)	<u>103,163</u>	<u>410,289</u>	<u>22,253,383</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.3</u>
22. Unit Cap Factor (MDC Net)	<u>82.0</u>	<u>81.4</u>	<u>69.6*</u>
23. Unit Cap Factor (DER Net)	<u>82.0</u>	<u>81.4</u>	<u>69.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,702.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING/MAINTENANCE - 09/11/82 - 13 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date:		<u>N/A</u>	

 * YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



* Item calculated with a Weighted Average

Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/04/82	S	0	B	5				POWER REDUCTION OF >20% FOR A 24-HOUR PERIOD RESULTED TO ALLOW COMPLETION OF CONDENSER WATER BOX TUBE CLEANING.

* SUMMARY *

YANKEE - ROWE OPERATED WITH 1 REDUCTION AND NO OUTAGES DURING APRIL.

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

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE...JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. FOLEY
LICENSING PROJ MANAGER.....R. CARUSO
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE...DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

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

INSPECTION SUMMARY

+ 50-29/82-03 - FEB 16-25 - MAR 8-26 - APR 5-12: ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTION BY THE RESIDENT INSPECTOR (70 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM AND THE ACCESSIBLE PORTIONS OF THE VAPOR CONTAINER, PRIMARY AUXILIARY BUILDING AND RAD WASTE BUILDINGS: RADIATION PROTECTION; PHYSICAL SECURITY; FIRE PROTECTION; PLANT OPERATING RECORDS; MAINTENANCE; SURVEILLANCE; PLANT OPERATIONS; RADIOACTIVE WASTE RELEASES, AND TMI ACTION PLAN ITEMS. NO VIOLATIONS WERE IDENTIFIED.
+ 50-29/82-05 - MAR 15-18: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (31 HRS) OF THE PLANT FIRE PROTECTION/PREVENTION PROGRAM, INCLUDING: IMPLEMENTATION OF ADMINISTRATIVE PROCEDURES; FIRE BRIGADE TRAINING; OBSERVATION OF IGNITION SOURCE AND COMBUSTIBLE MATERIALS CONTROL; REVIEW AND OBSERVATION OF PLANT MODIFICATIONS; AND OBSERVATION OF PLANT MODIFICATIONS; AND OBSERVATION OF CRITICAL PLANT FIRE AREAS. NO VIOLATIONS WERE IDENTIFIED.
+ 50-29/82-06 - MAR 24-26: ROUTINE, ANNOUNCED EMERGENCY PREPAREDNESS INSPECTION AND OBSERVATION OF THE LICENSEE'S ANNUAL EMERGENCY EXERCISE. THE INSPECTION INVOLVED 144 INSPECTION HOURS BY A TEAM OF NINE NRC REGION I, NRC OFFICE OF INSPECTION AND ENFORCEMENT, AND NRC CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-295 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: J. COOK (312) 746-2084

4. Licensed Thermal Power (Mwt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, If Any: NONE

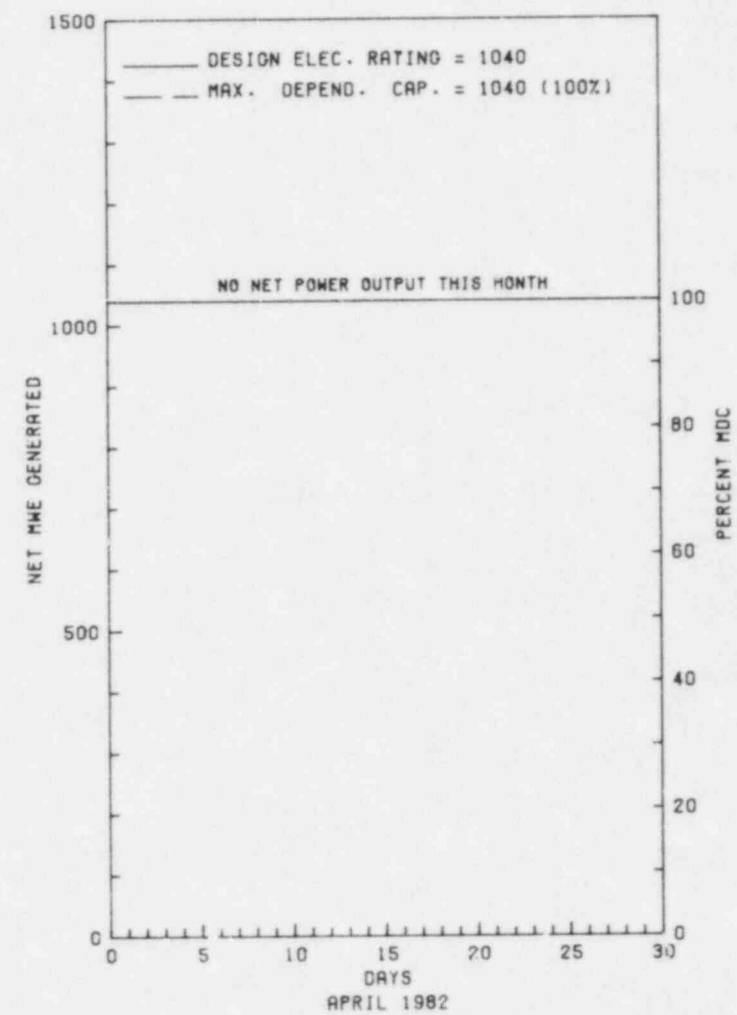
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>73,031.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,035.0</u>	<u>51,991.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,034.8</u>	<u>50,585.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,311,067</u>	<u>144,676,720</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,087,485</u>	<u>46,613,285</u>
19. Net Elec Ener (MWH)	<u>-3,796</u>	<u>1,032,403</u>	<u>44,224,144</u>
20. Unit Service Factor	<u>.0</u>	<u>35.9</u>	<u>69.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>35.9</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>34.5</u>	<u>58.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>34.5</u>	<u>58.2</u>
24. Unit Forced Outage Rate	<u>0</u>	<u>14.0</u>	<u>12.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>168.0</u>	<u>6,836.7</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 06/01/82

* Z I O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/20/82	S	719.0	C	4				CONTINUED FROM MARCH CYCLE VI-VII REFUELING OUTAGE.

***** ZION 1 REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.
* SUMMARY *

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

* ZION 1 *

FACILITY DATA

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE....DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER....D. WIGGINTON
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2600 EMMANS AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 16 THROUGH MARCH 31, (82-04): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS, RADIOACTIVE RELEASES, UNIT 1 PRIMARY TO SECONDARY LEAKAGE, LOSS OF RHR COOLING, LOOSE PARTS IN UNIT 1 PRIMARY SYSTEM, REFUELING CAVITY LEAKAGE, INDIVIDUAL OVER EXPOSURE, UNIT 2 RTD LOW FLOW, UNIT 2 SAFETY INJECTION, ADEQUACY OF REVIEW PRACTICES, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION AND LER FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 761 HOURS BY FIVE NRC INSPECTORS INCLUDING 90 HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JANUARY 30, (82-05): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/ WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 14 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 16-19, (82-07): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION PROGRAM DURING REFUELING OUTAGE, INCLUDING: STAFFING, ADVANCED PLANNING AND PREPARATION, TRAINING, EXPOSURE CONTROL, POSTING AND CONTROL, MATERIAL CONTROL, AND SURVEYS. ALSO REVIEWED WERE PAST ITEMS OF NONCOMPLIANCE, UNRESOLVED ITEMS, AND OPEN ITEMS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.


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NUMBER   DATE OF   DATE OF   SUBJECT
   EVENT   REPORT
-----
82-11/   03/17/82  03/25/82  LOSS OF EHR.
01T-0

82-12/   03/05/82  04/02/82  1D STEAM GENERATOR LEVEL TRANSMITTER WAS FOUND OUT OF TOLERANCE HIGH.
03L-0

82-13/   03/05/82  04/19/82  FLOW TRANSMITTERS WERE FOUND OUT OF TOLERANCE.
03X-0

82-14/   03/05/82  04/02/82  FLOW TRANSMITTERS WERE FOUND OUT OF TOLERANCE.
03L-0
=====
    
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1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 04/01/82 Outage + On-line Hrs: 719.0

3. Utility Contact: JOAN COOK (312) 746-2084

4. License Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, If Any: NONE

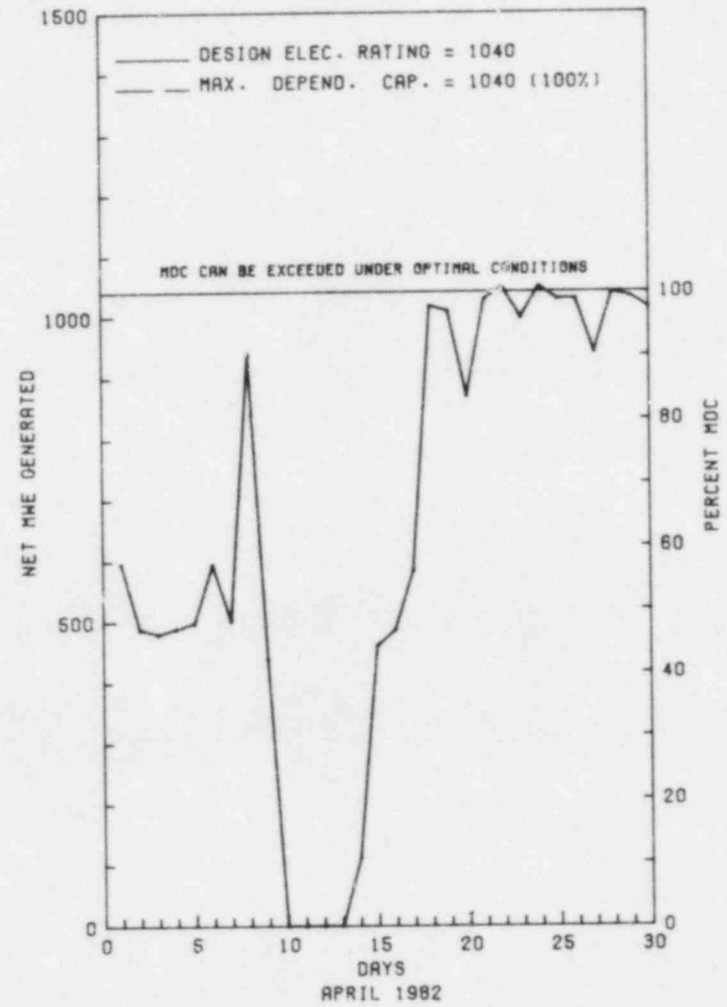
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,879.0</u>	<u>66,744.0</u>
13. Hours Reactor Critical	<u>630.7</u>	<u>1,627.0</u>	<u>47,968.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>596.8</u>	<u>1,501.8</u>	<u>46,541.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,526,645</u>	<u>3,302,597</u>	<u>131,132,749</u>
18. Gross Elec Ener (MWH)	<u>500,080</u>	<u>1,050,490</u>	<u>41,848,250</u>
19. Net Elec Ener (MWH)	<u>471,938</u>	<u>960,877</u>	<u>39,697,794</u>
20. Unit Service Factor	<u>83.0</u>	<u>52.2</u>	<u>69.7</u>
21. Unit Avail Factor	<u>83.0</u>	<u>52.2</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>63.1</u>	<u>32.1</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>63.1</u>	<u>32.1</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>17.0</u>	<u>47.8</u>	<u>18.4</u>
25. Forced Outage Hours	<u>122.2</u>	<u>1,377.2</u>	<u>10,561.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* Z I O N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Z I O N 2



Report Period APR 1982

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	04/09/82	F	122.2	A	2				TURBINE MANUALLY TRIPPED DUE TO VALVE MALFUNCTION.

***** ZION 2 OPERATED ROUTINELY WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE.
* SUMMARY *

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

* ZION 2 *

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

Report Period APR 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 24, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 17, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-304
LICENSE & DATE ISSUANCE...DPR-48, NOVEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2600 EMMANS AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 16 THROUGH MARCH 31, (82-04): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS, RADIOACTIVE RELEASES, UNIT 1 PRIMARY TO SECONDARY LEAKAGE, LOSS OF RHR COOLING, LOOSE PARTS IN UNIT 1 PRIMARY SYSTEM, REFUELING CAVITY LEAKAGE, INDIVIDUAL OVER EXPOSURE, UNIT 2 RTD LOW FLOW, UNIT 2 SAFETY INJECTION, ADEQUACY OF REVIEW PRACTICES, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION AND LER FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 761 HOURS BY FIVE NRC INSPECTORS INCLUDING 90 HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JANUARY 30, (82-05): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/ WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 14 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 16-19, (82-07): ROUTINE UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION PROGRAM DURING REFUELING OUTAGE, INCLUDING: STAFFING, ADVANCED PLANNING AND PREPARATION, TRAINING, EXPOSURE CONTROL, POSTING AND CONTROL, MATERIAL CONTROL, AND SURVEYS. ALSO REVIEWED WERE PAST ITEMS OF NONCOMPLIANCE, UNRESOLVED ITEMS, AND OPEN ITEMS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

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SECTION 3

APPENDIX

 * PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS *

FACILITY *****	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
ARKANSAS 1	177	590	244	346		01-83	1989
ARKANSAS 2	177	486	60	428		09-82	1989
BEAVER VALLEY 1	157	833	52	781		N/S	1995
CALVERT CLIFFS 1	217	1760(c)	584(c)	1176(c)(m)	1246	04-82	1990
CALVERT CLIFFS 2	217					10-82	1990
COOK 1	193	2050(c)	494(c)	1556(c)		06-82	1994
COOK 2	193					05-82	
CRYSTAL RIVER 3	177	1163	112	1051		09-82	1997
DAVIS-BESSE 1	177	735	92	591		03-82	1993
DIABLO CANYON 1							
FARLEY 1	157	675	62	613	1345	N/S	1991
FARLEY 2(d)	157	675			1407	N/S	1994
FORT CALHOUN 1	133	483	237	246	491	11-82	1985
GINNA	121	595	260	335		03-82	1992
HADDAM NECK	157	1168	441	727		03-83	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	268	214	980	N/S	1984
INDIAN POINT 3	193	837	140	697		03-82	1993
KEWAUNEE	121	990	228	762(m)		04-82	1991
MAINE YANKEE	217	953	577	376	1678	10-82	1987
MCGUIRE 1	193	500	23	477(n)		04-83	1990
MILLSTONE 2	217	667	288	379		05-83	1987
NORTH ANNA 1	157	966(c)	116(c)	850		N/S	1991
NORTH ANNA 2	157					N/S	1990
OCONEE 1	177	1812(l)	920	892(l)(n)		03-83	1991
OCONEE 2	177					N/S	
OCONEE 3	177					05-82	
PALISADES	204	784	412	372		N/S	1988
POINT BEACH 1	121	1502(c)	344(c)	1158(c)		10-82	1995
POINT BEACH 2	121					03-82	
PRAIRIE ISLAND 1	121	1017(c)	401(c)	616(c)(m)	840	10-82	1988
PRAIRIE ISLAND 2	121					06-82	
RANCHO SECO 1	177	579	196	383		04-82	1987
ROBINSON 2	157	276	113	163(e)	431	N/S	1985(q)
SALEM 1	193	1170	160	1010		N/S	1996
SALEM 2	193	1170	0	1170		12-82	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SEQUOYAH 1	193	800	0	800		N/S	1993
SEQUOYAH 2(d)	193	800	0	800			1994
ST LUCIE 1	217	728	280	448		03-83	1990
SURRY 1	157	1044(c)	504(c)	540(c)		N/S	1987
SURRY 2	157					N/S	
THREE MILE ISLAND 1	177	752	208	544		N/S	1986
THREE MILE ISLAND 2	177	442	0	442		N/S	1986
TROJAN	193	651	184	467		05-83	1990
TURKEY POINT 3	157	621	393(c)	228(c)(m)		10-83	1987
TURKEY POINT 4	157	621	378	243		10-82	1988
YANKEE-ROWE 1	76	391	225	166	496	09-82	1988
ZION 1	193	2112(c)	628(c)	1484(c)		N/S	1992
ZION 2	193					09-82	1992

Report Period APR 1982

 * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS * (a)

FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES REMAINING CAPACITY STORED (NO. OF ASSEMBLIES)		REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
			*****	*****	*****		
BIG ROCK POINT 1	84	193	192	1	529	N/S	1983
BROWNS FERRY 1	764	3471	816	2655		03-82	1985
BROWNS FERRY 2	764	3471	640	160(m)	1109	08-82	1985
BROWNS FERRY 3	764	3471	620	365(m)		N/S	1985
BRUNSWICK 1	560	(f)	160PWR+476BWR			06-82	1986
BRUNSWICK 2	560		144PWR+264BWR			09-82	1986
COOPER STATION	548	2366	732	1634		05-82	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2840(c)	1652 (c)	1358(c)	6491(c)	06-82	1985
DRESDEN 3	724				5422	N/S	
DUANE ARNOLD	368	2050	448	1602		09-82	1998
FITZPATRICK	560	2244	428	1460		N/S	1991
HATCH 1	560	3021	0	3021		09-82	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	165	275		04-82	1990
MILLSTONE 1	580	2184	954	1230		07-82	1991
MONTECELLO	484	2237	912	1325		09-82	1991
NINE MILE POINT 1	532	1984	1044	940	1965	04-82	1990
OYSTER CREEK 1	560	1800	781	1019		07-82	1987
PEACH BOTTOM 2	764	2816	910	1906		N/S	1990
PEACH BOTTOM 3	764	2816	928	1888		04-83	1991
PILGRIM 1	580	2320	936	834(m)		N/S	1990
QUAD CITIES 1	724	2920	1940	980	5630	09-82	1986
QUAD CITIES 2	724	2920	2132	788		N/S	1986
VERMONT YANKEE 1	368	2000	990	1010		N/S	1992

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
 (b) Some of these dates have been adjusted by staff assumptions.
 (c) This is the total for both units.
 (d) Plant not in commercial operation.
 (e) Some spent fuel stored at Brunswick.
 (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
 (g) Robinson 2 assemblies being shipped to Brunswick for storage.
 (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
 (i) No longer accepting spent fuel.
 (j) Racked for 700 MTU.
 (k) Reserved.
 (l) This is the station total.
 (m) Installed capacity is less than that authorized.
 (n) McGuire 1 authorized to accept Ocone fuel assemblies.

 N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

*****			1ST ELEC	*****			1ST ELEC	*****			
YEARS	GENERATE	UNIT	YEARS	GENERATE	UNIT	YEARS	GENERATE	UNIT	YEARS	GENERATE	UNIT
* LICENSED *	7.75	08/01/74	3.35	12/26/78	ARKANSAS 2	5.88	06/14/76	BEAVER VALLEY 1			
* OPERATING *	19.39	12/08/62	8.54	10/15/73	BROWNS FERRY 1	7.67	08/28/74	BROWNS FERRY 2			
* ELECTRICAL *	5.63	09/12/76	5.40	12/04/76	BRUNSWICK 1	7.01	04/29/75	BRUNSWICK 2			
* PRODUCING *	7.32	01/03/75	5.40	12/07/76	CALVERT CLIFFS 2	7.22	02/10/75	COOK 1			
* UNITS *	4.11	03/22/78	7.98	05/10/74	COOPER STATION	5.25	01/30/77	CRYSTAL RIVER 3			
*****	4.67	08/28/77	12.05	04/13/70	DRESDEN 2	10.78	07/22/71	DRESDEN 3			
	7.95	05/19/74	4.70	08/18/77	FARLEY 1	.93	05/25/81	FARLEY 2			
	7.24	02/01/75	8.68	08/25/73	FORT CALHOUN 1	5.39	12/11/76	FORT ST VRAIN			
	12.41	12/02/69	14.73	08/07/67	HADDAM NECK	7.47	11/11/74	HATCH 1			
	3.61	09/22/78	8.85	06/26/73	INDIAN POINT 2	6.01	04/27/76	INDIAN POINT 3			
	8.06	04/08/74	14.01	04/26/68	LA CROSSE	9.48	11/08/72	MAINE YANKEE			
	.84	06/30/81	11.42	11/29/70	MILLSTONE 1	6.48	11/09/75	MILLSTONE 2			
	11.16	03/05/71	12.47	11/09/69	NINE MILE POINT 1	4.04	04/17/78	NORTH ANNA 1			
	1.68	08/25/80	8.99	05/06/73	OCONEE 1	8.40	12/05/73	OCONEE 2			
	7.66	09/01/74	12.60	09/23/69	OYSTER CREEK 1	10.33	12/31/71	PALISADES			
	8.20	02/18/74	7.66	09/01/74	PEACH BOTTOM 3	9.78	07/19/72	PILGRIM 1			
	11.48	11/06/70	9.74	08/02/72	POINT BEACH 2	8.41	12/04/73	PRAIRIE ISLAND 1			
	7.36	12/21/74	10.05	04/12/72	QUAD CITIES 1	9.94	05/23/72	QUAD CITIES 2			
	7.55	10/13/74	11.59	09/26/70	ROBINSON 2	5.35	12/25/76	SALEM 1			
	.91	06/03/81	14.79	07/16/67	SAN ONOFRE 1	1.77	07/22/80	SEQUOYAH 1			
	.35	12/23/81	5.98	05/07/76	ST LUCIE 1	9.82	07/04/72	SURRY 1			
	9.14	03/10/73	7.87	06/19/74	THREE MILE ISLAND 1	6.35	12/23/75	TROJAN			
	9.49	11/02/72	8.86	06/21/73	TURKEY POINT 4	9.61	09/20/72	VERMONT YANKEE 1			
	21.47	11/10/60	8.84	06/28/73	ZION 1	8.34	12/26/73	ZION 2			
TOTAL 581.71 YRS											

*****				1ST ELEC	SHUTDOWN	*****					
YEARS	GENERATE	DATE	UNIT	YEARS	GENERATE	DATE	UNIT	YEARS	GENERATE	DATE	UNIT
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS	3.04	12/18/63	01/01/67	CVTR			
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1	4.44	08/24/63	02/01/68	ELK RIVER			
* INDEFINITELY *	6.32	08/05/66	11/29/72	FERMI 1	1.26	05/29/63	09/01/64	HALLAM			
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY	12.12	09/16/62	10/31/74	INDIAN POINT 1			
* UNITS *	1.19	07/25/66	10/01/67	PATHFINDER	7.76	01/27/67	11/01/74	PEACH BOTTOM 1			
*****	2.16	11/04/63	01/01/66	PIQUA	.93	04/21/78	03/28/79	THREE MILE ISLAND 2			
TOTAL 74.77 YRS											

The total reactor years of experience is as the sum of all calendar days for each unit, from the date that electricity was first generated until a final shutdown date or the status date, whichever comes first, divided by 365.25 days/year. If a date is unknown, the first day of the first month of operation is substituted. Units which have not yet generated electricity but which are licensed are listed but not included in the computation.

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.0003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	100.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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15. SUPPLEMENTARY NOTES				6. (Leave blank)	
16. ABSTRACT (200 words or less) <p>The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Management and Program Analysis from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.</p>				8. (Leave blank)	
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