CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 83-1

FOR THE MONTH OF

JANUARY 1983

PLANT OPERATIONS

The following is a summary of plant operations for the month of January, 1983.

The unit operated at full power until January 22 at 0256 when the plant was taken off-line to commence its eleventh refueling and maintenance outage.

I&C Report for January, 1983

SYSTEM OR COMPONENT	MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
#3 Steam Generator Wide Range Level Indication	Loose connection at transmitter	Unstable level indication	None	Tightened the electrical connections	None

Maintenance Report for January 1983

SYSTEM OR COMPONENT	MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
Emergency Diesel Generator EG2B air start supply air compressor	Inoperable air compressor due to failed connecting rods	Inoperable Diesel	None	Replaced compressor	Proved redundant emergency diesel operable

********NRC OPERATING STATUS REPORT COMPLETED BY REACTOR ENGINEERING********

1. DOCKET....50-213 OPERATING STATUS
2. REPORTING PERIOD...JANUARY 1983 OUTAGE + ON-LINE HR... 237.0 + 507.0 = 744.0
3. UTILITY CONTACT.....BOB EPPINGER (203) 267-2556 EX274
4. LICENSED THERMAL POWER(MWT).....1825
5. NAMEPLATE RATING(GROSS MWE).....667 X 0.9 = 600.3
6. DESIGN ELECTRICAL RATING(NET MWE).....582
7. MAXIMUM DEPENDABLE CAPACITY(GROSS MWE).....595.8
8. MAXIMUM DEPENDABLE CAPACITY(NET MWE).....569
9. IF CHANGES OCCUR ABOVE, SINCE LAST REPORT, GIVE REASONS.... N/A
10. POWER LEVEL TO WHICH RESTRICTED. IF ANY(NET MWE)..... N/A
11. REASON FOR RESTRICTION. IF ANY..... N/A

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* CONNECTICUT YANKEE *
* HADDAM NECK PLANT *
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	MONTH	YR. TO DATE	CUMULATIVE TO DATE
12. HOURS IN REPORTING PERIOD	744.0	744.0	132240.0 *
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	519.0	519.0	114771.4 *
14. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1264.0 *
15. HOURS GENERATOR ON LINE	507.0	507.0	109597.1 *
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17. GROSS THERMAL ENERGY GENERATED (MWH)	921585.	921585.	190087075.
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	302545.	302545.	62441453.
19. NET ELECTRICAL ENERGY GENERATED (MWH)	287307.	287307.	59406119.
20. UNIT SERVICE FACTOR	68.1	68.1	82.9 *
21. UNIT AVAILABILITY FACTOR	68.1	68.1	83.2 *
22. UNIT CAPACITY FACTOR (USING MDC NET)	67.9	67.9	82.7 *
23. UNIT CAPACITY FACTOR (USING DER NET)	66.4	66.4	76.5 *
24. UNIT FORCED OUTAGE RATE	0.0	0.0	6.5 *
25. UNIT FORCED OUTAGE HOURS	0.0	0.0	7592.0 *

*SINCE COMMERCIAL OPERATION 1/1/68

26. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS(TYPE,DATE AND DURATION OF EACH)...

CORE 11 REFUELLING: JANUARY-MARCH 1983: 7 WEEKS

27. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE..... MARCH 12, 1983

CONNECTICUT YANKEE
REACTOR COOLANT DATA
MONTH: JANUARY, 1983

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	4.27E+00	6.08E+00	7.06E+00
CONDUCTIVITY (UMHOS/CM)	6.40E-01	5.10E+00	3.10E+01
CHLORIDES (PPM)	<5.00E-02	<5.00E-02	<5.00E-02
DISSOLVED OXYGEN (PPB)	<5.00E+00	<5.00E+00	<5.00E+00
BORON (PPM)	7.60E-01	7.92E+02	2.48E+03
LITHIUM (PPM)	2.60E-02	8.89E-02	2.84E-01
TOTAL GAMMA ACT. (UC/ML)	6.10E-02	9.54E-01	1.70E+00
IODINE-131 ACT. (UC/ML)	3.64E-04	2.85E-02	3.30E-01
I-131/I-133 RATIO	8.50E-01	9.86E-01	1.18E+00
CRUD (MG/LITER)	<1.00E-02	<1.00E-02	<1.00E-02
TRITIUM (UC/ML)	7.98E-01	1.26E+00	1.74E+00
HYDROGEN (CC/KG)	1.11E+01	2.84E+01	3.52E+01

AERATED LIQUID WASTE PROCESSED(GALLONS):	2.46E+05
WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS):	9.81E+04
AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE):	3.52E-01
PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE):	0.00E+00

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213
Conn. Yankee
UNIT Haddam Neck

DATE January, 1983

COMPLETED BY A. Elms

TELEPHONE (203) 267-2556

MONTH: January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	575	17	567
2	575	18	566
3	575	19	565
4	575	20	564
5	576	21	558
6	576	22	33
7	576	23	0
8	576	24	0
9	574	25	0
10	573	26	0
11	573	27	0
12	572	28	0
13	570	29	0
14	569	30	0
15	569	31	0
16	569		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Complete the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213
UNIT NAME Conn. Yankee
DATE January
COMPLETED BY Al Elms
TELEPHONE (203) 267-2556

REPORT MONTH January 1983

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
83-01	830122	S	237	C	1	N/A	RC	FUEL XX	SHUT DOWN FOR REFUELING

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C Refueling
D Regulatory Restriction
E Operator Training & License Examination
F Administrative
G Operational Error (Explain)
H Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

REFUELING INFORMATION REQUEST

1. Name of facility

   Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown

   June 6, 1984

3. Scheduled date for restart following refueling

   Current outage restart date is March 12, 1983

4. (a) Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   Yes.

   (b) If answer is yes, what in general, will these be?

   Reduce the allowable linear heat generation rate (T.S. 3.17)
   New power versus axial offset envelope (T.S. 3.18).

   (c) If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

   N/A

   (d) If no such review has taken place, when is it scheduled?

   N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
   Technical Specification Change Request has been submitted.

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

   Minor fuel design change reflected in Technical Specification Change Request (T.S. 3.17 and T.S. 3.18).

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

   (a) 157 (b) 483

8. The present licensed spent fuel pool storage capacity and the size of any increased in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
   1168

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

   1994 to 1995