CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 82-10

FOR THE MONTH OF

OCTOBER 1982

PLANT OPERATIONS

The following is a summary of plant operations for the month of October, 1982:

The unit operated at 100% power until October 24, when load was reduced to 400 Mwe to conduct a routine turbine valve test. The plant continued at 100% power throughout the remainder of the month.

SYSTEM OR COMPONENT	I&C Department Report for Oct.1982 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 EG-2B Air start compressor switch	Switch reached end of life	Unable to start and stop air compressor within acceptable limits	None	Replaced switch	Continous monitoring of air supply tanks.

Maintenance Report for Oct. 1982

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 EG-2A	Pin hole leak in service water flexible piping to heat exchaner Reason: Age & corrosion	Small service water leak	None	Replaced pipe with stainless steel flexible line.	Replaced flexible piping with temporary piping. Proved redundant diesel available
Emergency Diesel Generator EG-2B	Outboard heat exchanger tube leak Reason: Corrosion	Service water leak to engine coolant	None	Plugged leaking tube	Proved redundant diesel available
"B" Charging Pump	Pin hole in recirculation bypass isolation valve body. Reason: High fluid velocity thru valve when valve is throttling for low flow	Reactor coolant leak to primary auxiliary building atmosphere	None	Pad welded pin hole in valve body. Evaluating need for new valve design	N/A

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

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

****
* CONNECTICUT YANKEE *
* HADDAM NECK PLANT *
****

1. DOCKET....50-213
2. REPORTING PERIOD...OCTOBER 1982   OUTAGE + ON-LINE HR... 0.0 + 745.0 = 745.0
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).....................582
8. MAXIMUM DEPENDABLE CAPACITY(NET MWE).......................555
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

		MONTH	YR. TO DATE	CUMULATIVE TO DATE
12.	HOURS IN REPORTING PERIOD	745.0	7296.0	130032.0 *
13.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	745.0	7255.0	112806.5 *
14.	REACTOR RESERVE SHUTDOWN HOURS	0.0	192.2	1324.7 *
15.	HOURS GENERATOR ON LINE	745.0	6784.8	107687.8 *
16.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17.	GROSS THERMAL ENERGY GENERATED (MWH)	1355400.	12077360.	185726616.
18.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	446031.	3960046.	61333523.
19.	NET ELECTRICAL ENERGY GENERATED (MWH)	426429.	3771876.	58352328.
20.	UNIT SERVICE FACTOR	100.0	93.0	82.8 *
21.	UNIT AVAILABILITY FACTOR	100.0	93.0	83.1 *
22.	UNIT CAPACITY FACTOR (USING MDC NET)	103.1	93.1	82.7 *
23.	UNIT CAPACITY FACTOR (USING DER NET)	98.3	88.8	76.4 *
24.	UNIT FORCED OUTAGE RATE	0.0	7.0	6.6 *
25.	UNIT FORCED OUTAGE HOURS	0.0	511.2	7569.5 *

*SINCE COMMERCIAL OPERATION 1/1/68

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

REFUELING ESTIMATED FOR 1/22/83. ESTIMATED DURATION- 7 WEEKS.

27. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE.............................. N/A

AVERAGE DAILY UNIT POWER LEVEL

CORE XI

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

DATE November 13, 1982

COMPLETED BY A. Elms

TELEPHONE (203) 267-2556

MONTH: October 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	570	17	574
2	571	18	574
3	571	19	574
4	571	20	573
5	571	21	574
6	570	22	575
7	570	23	576
8	569	24	546
9	569	25	575
10	572	26	576
11	5	27	576
12	573	28	577
13	573	29	576
14	573	30	577
15	574	31	576
16	574		

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.

(9/77)

CONNECTICUT YANKEE
REACTOR COOLANT DATA
MONTH: OCTOBER 1982

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	6.30E+00	6.58E+00	6.80E+00
CONDUCTIVITY (UMHOS/CM)	4.35E+00	6.03E+00	7.10E+00
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)	1.84E+02	2.30E+02	2.76E+02
LITHIUM (PPM)	3.70E-01	5.47E-01	7.60E-01
TOTAL GAMMA ACT. (UC/ML)	1.12E+00	1.43E+00	2.29E+00
IODINE-131 ACT. (UC/ML)	7.98E-03	8.91E-03	1.10E-02
I-131/I-133 RATIO	7.34E-01	8.50E-01	1.01E+00
CRUD (MG/LITER)	<1.00E-02	<1.00E-02	<1.00E-02
TRITIUM (UC/ML)	5.43E-01	1.08E+00	1.50E+00
HYDROGEN (CC/KG)	1.81E+01	2.05E+01	2.42E+01

AERATED LIQUID WASTE PROCESSED(GALLONS):	1.96E+05
WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS):	4.48E+04
AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE):	4.01E-01
PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE):	0.00E+00

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213
UNIT NAME Conn. Yankee
DATE Nov. 13, 1982
COMPLETED BY A. Elms
TELEPHONE (203) 267-2556

REPORT MONTH October 1982

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
									No shutdowns or power reductions in the month of October 1982.

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

REFUELING INFORMATION REQUEST

1. **Name of facility**

   Connecticut Yankee Atomic Power Company

2. **Scheduled date for next refueling shutdown.**

   January 22, 1983

3. **Scheduled date for restart following refueling.**

   Approximately six to eight weeks.

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

   No technical specification changes are anticipated at this time.

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

   N/A

   (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)?

   (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.

   There are no scheduled dated because of (4) above.

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.

   None.

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

   (a) 157 (b) 441

8. The present licensed spent fuel pool storage capacity and the size of any increase 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