CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 80-10

FOR THE MONTH OF

OCTOBER, 1980

PLANT OPERATIONS

The following is a chronological description of plant operations for the month of October, 1980.

10/1/80 At the beginning of this report period the plant was at 90% full power with a load increase in progress from 50% to full power following the shutdown for the turbine balance program.

0235 Plant at full power.

0945 1A charging pump out of service for maintenance. Return to service @ 1108 hrs.

10/3/80 0105 Received rod drive slave cycler alarm and rod stop. No movement on Bank "B". Tested "A" bank rods for movement. Pulser on slave cycler repaired and returned to service @ 0240 hrs.

0745 Both main stack monitor pumps out of service. Chemistry sampling main stack effluent by alternate method. Stack monitor return to service @ 1240 hrs.

10/6/80 0923 Determined #3 turbine control valve sticking. During operation. Ran test motor on #4 valve open. Closed #3 control valve with test motor to a slightly open position using #4 valve for turbine control.

10/10/80 0818 Ran operability test on "A" LPSI pump. Removed "B" LPSI pump from service for maintenance work on coupling guard. Returned "B" LPSI pump to service @ 1032 hrs.

10/13/80 0853 Passed 52 Billion KW gross generation.

10/15/80 1715 Established fire watch in PAB upper level due to failure to test CO_2 system on HEPA-HECA filter. Completed PAB charcoal filter CO_2 system test @ 1500 on 10/17/80 and discontinued fire watch.

10/20/80 0620 Lost level in ADT evaporator due to failed gasket on discharge of reboiler pump. Pumped 1800 gallons to waste liquid system with Radwaste building sump pump--replaced gasket and refilled evaporator @ 1600 hrs.

10/23/80	0745	1A Auxiliary feed pump out of service for PM's. Returned to service @ 1245 hrs.
10/24/80	1130	1B Auxiliary feed pump out of service for PM's. Return to service @ 1530 hrs.
	1635	Notified by NRC that earthquake had occurred in New Haven area. Not felt at CY.
10/26/80	0100	Commenced load decrease to perform turbine stop and control valve test. Load at 350 MWe @ 0320 hrs. Completed test and returned to full power at 0822 hrs.
10/27/80	0815	1B Auxiliary feed pump out of service for maintenance. Returned to service @ 1500 hrs.
10/28/80	0605	EG2A removed from service for redundant systems check. Returned to service @ 1835 hrs.
10/29/80	0605	EG2B removed from service for redundant systems check. Returned to service @ 1535 hrs.

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			
Refueling Water Storage Tank Syphon Heater Heating Steam Leak MA 1855	Age	Cracked weld at head	None	Repaired Weld	None - heater not needed, weather warm
Diesel Fire Pump MA 1867	Speed too low	Output not up to rating	None	Adjusted speed	None - pump was still operable at reduced capacity
EG2B MA 1876	Faulty air motor	Engine not cranking properly when started on one side	None	Installed spare air starter motor	None - diesel never inoperable except when tagged out intentionally to perform work
#2 Feed Reg. Valve	Worn pilot relay	Valve movement became excessive	None	New pilot installed and valve scheduled for overhaul at next prolonged shutdown.	F.W. control system in manual
VCT Level Recorder	Air leak inside recorder	None	None	Replaced air hose	None
Power Range Channel 31	Defective full power amplifier	% power signal erratic	None	Replaced full power amplifier	Load run back jumper installed during repair
A Charging Pump	Low oil discharge pressure from shaft driven pump	Standby oil pump started	None	None - No reason found for low pressure Pump was test run and oil pressure was normal	None
Rod Drive System Slave Cycler - Pulser Assembly	Faulty Pulser Assembly	Slave Cycler Failure Alarm And Rod Stop	None	Replaced Pulser Assembly	None
Main Stack Monitor Air Pumps MA1347	Apparent Wear Of Vanes	Both Pumps Tripping Motor Overloads	None	Rebuilt Both Pumps	None

CONNECTICUT YANKEE
REACTOR COOLANT DATA
MONTH: OCTOBER 1980

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	5.88E+00	6.14E+00	6.40E+00
CONDUCTIVITY (UMHOS/CM)	8.55E+00	1.50E+01	2.15E+01
CHLORIDES (PPM)	<4.00E-02	<4.00E-02	<4.00E-02
DISSOLVED OXYGEN (PPB)	<5.00E+00	<5.00E+00	<5.00E+00
BORON (PPM)	9.15E+02	9.84E+02	1.11E+03
LITHIUM (PPM)	7.50E-01	1.44E+00	2.00E+00
TOTAL GAMMA ACT. (UC/ML)	1.47E+00	3.18E+00	4.14E+00
IODINE-131 ACT. (UC/ML)	1.56E-02	1.99E-02	2.48E-02
I-131/I-133 RATIO	7.05E-01	7.95E-01	9.09E-01
CRUD (MG/LITER)	1.40E-01	3.88E-01	6.00E-01
TRITIUM (UC/ML)	2.60E+00	3.58E+00	4.11E+00
HYDROGEN (CC/KG)	2.30E+01	2.52E+01	2.60E+01

AERATED LIQUID WASTE PROCESSED(GALLONS):	6.13E+04
WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS):	0.00E-01
AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE):	2.25E-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 11/10/80

COMPLETED BY Reactor Engineering

TELEPHONE (203) 267-2556

MONTH: October 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	572	17	576
2	575	18	576
3	575	19	576
4	574	20	574
5	575	21	573
6	575	22	574
7	574	23	575
8	575	24	575
9	576	25	576
10	576	26	532
11	576	27	576
12	577	28	577
13	577	29	577
14	577	30	578
15	577	31	579
16	577		

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213
UNIT NAME Conn. Yankee
DATE 11/10/80
COMPLETED BY Reactor Engineering
TELEPHONE (203) 267-2556

REPORT MONTH Oct. 1980

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 significant power reductions greater than 20 percent during the October 1980 reporting period.

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)

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

1. UNIT NAME....CONN. YANKEE ATOMIC POWER CO.
2. REPORTING PERIOD ....October 1980
3. LICENSED THERMAL POWER(MWT)....1825
4. NAMEPLATE RATING(GROSS MWE)....600.3
5. DESIGN ELECTRICAL RATING(NET MWE)....580
6. MAXIMUM DEPENDABLE CAPACITY(GROSS MWE)....577
7. MAXIMUM DEPENDABLE CAPACITY(NET MWE)....555
8. IF CHANGES OCCUR IN CAPACITY RATINGS(ITEMS 3 THROUGH 7)SINCE LAST REPORT, GIVE REASONS...Conn. Yankee demonstrated that it could maintain a maximum dependable capacity of 555 MWe, so the MDC was increased from 550 to 555 MWe NET, EFFECTIVE THIS REPORTING PERIOD.
9. POWER LEVEL TO WHICH RESTRICTED. IF ANY(NET MWE)....None
10. REASON FOR RESTRICTION. IF ANY .... N/A

DOCKET NO. 50-213
DATE November 10, 1980
COMPLETED BY Reactor Engineering
TELEPHONE (203) 267-2556

		THIS REPORTING PERIOD	YR. TO DATE	CUMULATIVE TO DATE
11.	HOURS IN REPORTING PERIOD	744.0	7319.0	112511.0 *
12.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	5322.8	96519.6 *
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	27.0	1179.6 *
14.	HOURS GENERATOR ON LINE	744.0	5166.9	92107.1 *
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	369.9
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1355070.	8897036.	159038185.
17.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	447699.	2914575.	52269041.
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	427876.	2767344.	49722107.
19.	UNIT SERVICE FACTOR	100.0	70.6	81.9 *
20.	UNIT AVAILABILITY FACTOR	100.0	70.6	82.2 *
21.	UNIT CAPACITY FACTOR (USING MDC NET)	103.6	68.1	81.7 *
22.	UNIT CAPACITY FACTOR (USING DER NET)	99.2	65.2	75.4 *
23.	UNIT FORCED OUTAGE RATE	0.0	0.6	6.9 *

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS(TYPE,DATE AND DURATION OF EACH)....None

25. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP....N/A

26. UNITS IN TEST STATUS(PRIOR TO COMMERCIAL OPERATION)....NOT APPLICABLE

*SINCE DATE OF COMMERCIAL OPERATION 1-1-68

REFUELING INFORMATION REQUEST

1. Name of facility

   Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

   September/October 1981

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)?

   When the above stated documents are received from the fuel vendor they will be reviewed in accordance with 10CFR50.59 to determine if any unreviewed safety questions are associated with the Core reload.

   (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 dates 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) 389

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