

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 80-3

FOR THE MONTH OF

MARCH, 1980

8004210 253

PLANT OPERATIONS

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

At the beginning of this report period the plant was at 100% full power 603 MWe.

On 3/6/80 @ 0930, the #2 CAR Fan recirc damper was found partially disconnected and the fan was declared out of service until 3/7/80 at 1245 when the damper linkage was repaired and the fan was returned to service.

A reactor and turbine trip on 3/27/80 at 1422 was experienced during wiring modifications per NUREG 0578 under job order #M01025. The reactor was taken critical on 3/28/80 at 0144 and full load was achieved on 3/29/80 at 0745.

Problems were experienced with the NRC dedicated telephone line on the following dates; 3/7/80, 3/11/80 and 3/21/80.

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			
#2 FW Valve Positioner	Worn Pilot Valve	Excessive Air Use/Erratic control	None	Replaced worn pilot valve	Clamped main FW Valve and used bypass for FW Control
#1 Steam Line Break Indicator	Worn Slidewire	Failure of indicator to follow load	None	Replaced worn slidewire	Inserted trip signal
#2 Car Fan	Broken Coupling	Dampers failed to operate	None	Replaced coupling with steel coupling	None
Air Ejector RMS	Dirty Contacts	Failed output	None	Clean connectors	None Required
"B" Boric Acid Pump	Loose bolts	Leak	None	Tighten bolts	None Required

CONNECTICUT YANKEE
 REACTOR COOLANT DATA
 MONTH: MARCH 1980

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	6.74E+00	6.87E+00	6.99E+00
CONDUCTIVITY (UMHOS/CM)	2.80E+00	5.94E+00	7.10E+00
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)	4.30E+01	8.62E+01	1.29E+02
LITHIUM (PPM)	5.80E-01	6.81E-01	8.00E-01
TOTAL GAMMA ACT. (UC/ML)	3.97E+00	7.63E+00	8.79E+00
IODINE-131 ACT. (UC/ML)	3.75E-02	5.63E-02	1.78E-01
I-131/I-133 RATIO	6.90E-01	8.38E-01	9.20E-01
CRUD (MG/LITER)	4.00E-02	5.75E-02	9.00E-02
TRITIUM (UC/ML)	1.11E+00	1.59E+00	1.80E+00
HYDROGEN (CC/KG)	2.99E+01	3.51E+01	4.10E+01

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.90E+05
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 1.34E+05
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): 1.10E-01
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): 0.00E+00

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

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| 1. UNIT NAME....CONN. YANKEE ATOMIC POWER CO. | DOCKET NO. 50-213 |
| 2. REPORTING PERIODMarch 1980 | DATE April 10, 1980 |
| 3. LICENSED THERMAL POWER(MWT)....1825 | COMPLETED BY Reactor Engineering |
| 4. NAMEPLATE RATING(GROSS MWT) ...600.3 | TELEPHONE (203) 267-2556 |
| 5. DESIGN ELECTRICAL RATING(NET MWE)....575 | |
| 6. MAXIMUM DEPENDABLE CAPACITY(GROSS MWE)....577 | |
| 7. MAXIMUM DEPENDABLE CAPACITY(NET MWE)....550 | |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS(ITEMS 3 THROUGH 7)SINCE LAST REPORT, GIVE REASONS...None | |
| 9. POWER LEVEL TO WHICH RESTRICTED. IF ANY(NET MWE)None | |
| 10. REASON FOR RESTRICTION. IF ANYNot Applicable | |

	THIS REPORTING PERIOD	YR. TO DATE	CUMULATIVE TO DATE
11. HOURS IN REPORTING PERIOD	744.0	2184.0	107376.0 *
12. NUMBER OF HOURS THE REACTOR WAS CRITICAL	732.6	2172.6	93369.3 *
13. REACTOR RESERVE SHUTDOWN HOURS	11.4	11.4	1164.0 *
14. HOURS GENERATOR ON LINE	730.3	2170.3	89110.5 *
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	369.9
16. GROSS THERMAL ENERGY GENERATED (MMH)	1301936.	3858973.	154000122.
17. GROSS ELECTRICAL ENERGY GENERATED (MMH)	431516.	1278947.	50633413.
18. NET ELECTRICAL ENERGY GENERATED (MMH)	411806.	1220391.	48175154.
19. UNIT SERVICE FACTOR	98.2	99.4	83.0 *
20. UNIT AVAILABILITY FACTOR	98.2	99.4	83.3 *
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.6	101.6	83.0 *
22. UNIT CAPACITY FACTOR (USING DER NET)	96.3	97.2	77.2 *
23. UNIT FORCED OUTAGE RATE	1.8	0.6	7.1 *
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS(TYPE,DATE AND DURATION OF EACH)....Refueling, May 1980, Approximately 8 to 12 weeks			
25. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUPNot applicable			
26. UNITS IN TEST STATUS(PRIOR TO COMMERCIAL OPERATION)....NOT APPLICABLE			

*SINCE DATE OF COMMERCIAL OPERATION 1-1-68

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee

UNIT Haddam Neck

DATE April 10, 1980

COMPLETED BY Reactor Engineering

TELEPHONE (203) 267-2556

MONTH: March 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	577	17	579
2	577	18	579
3	577	19	577
4	578	20	579
5	579	21	580
6	578	22	579
7	579	23	580
8	580	24	580
9	579	25	579
10	578	26	578
11	578	27	346
12	577	28	152
13	577	29	511
14	579	30	577
15	578	31	578
16	578		

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

REPORT MONTH March 1980

DOCKET NO. 50-213
 UNIT NAME Conn. Yankee
 DATE April 10, 1980
 COMPLETED BY Reactor Engineering
 TELEPHONE (203) 267-2556

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
12	800327 to 800328	F	13.7	H	3		ZZ	ZZZZZZ	Reactor and Turbine trip due to high containment pressure/core cooling actuation signal.

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 (GURC-0161)

⁵
 Exhibit F - Same Source

09/11

REFUELING INFORMATION REQUEST

1. Name of facility

Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

May 1980

3. Scheduled date for restart following refueling

Approximately eight to 12 weeks from shutdown date.

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 date.

(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) 340

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.

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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