

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 79-8

FOR THE MONTH OF

AUGUST, 1979

964232

7909180443

PLANT OPERATIONS

The following is a chronological description of plant operations for the month of August 1979.

At the beginning of this report period the plant was at 568 MWe 100% power.

08/04/79 A leak was discovered and repaired in the transmitted air signal to the VCT level recorder which caused an erroneous level indication.

08/13/79 The light source on PC 401-1 failed causing PR-SOV 570 to open.

08/22/79 The B battery charger failed and was returned to service the same day.

08/24/79 The pressurizer capillary was isolated for maintenance and returned to service.

A fire drill was held on 08/24/79.

08/26/79 A load reduction to 400 MWe was made for the purpose of testing the turbine stop trip valves. The plant was returned to 100% power the same day.

Work on the main stack continued throughout this report period.

All periodic tests were completed as scheduled.

964233

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			
Pressurizer Pressure PC 401-1	Degraded Light Source	Valve 569 MOV Valve 570 MOV Started to Open	None	Replacement of component with new style is planned	NA
DWST Syphon Heater Temp. Control Valve MA0546	Age	Leaked By	None	Lapped Seat	None
DWST Syphon Heater MA0551	Age	Tube Leak	None	Plugged Tubes	None
DWST Syphon Heater MA0583	Bad Gasket	Head Leak	None	Replaced Gasket	None
C Service Water Pump	Open Coil On Solenoid Valve	Loss of lubrication to pump shaft bearings	None	Replaced Coil	None. Residual oil adequate since system is drip feed
Pressurizer Capillary Isolation Valve MA0577	Age	Packing Leak	None	Repacked	None
804234					

CHEMISTRY DATA FOR MONTH OF AUGUST, 1979

Reactor Coolant Analysis	Minimum	Average	Maximum
Ph @ 25°C(±2.0E-01)	6.28E+00	6.50E+00	6.75E+00
Conductivity, umhos/cm(±2%)	1.05E+01	1.65E+01	2.30E+01
Chlorides, ppm(±7.0E-02)	<4.00E-02	<4.00E-02	<4.00E-02
Dissolved Oxygen, ppb (±5.0E+00)	<5.00E+00	<5.00E+00	<5.00E+00
Boron, ppm (±2%)	6.58E+02	6.76E+02	7.48E+02
Lithium, ppm (±5%)	8.00E-01	1.42E+00	2.00E+00
Total Gamma Act. µCi/ml (± 10%)	6.26E+00	7.23E+00	9.44E+00
Iodine-131, µCi/ml(±3%)	3.80E-02	4.23E-02	4.85E-02
I-131/I-133 Ratio	6.90E-01	8.44E-01	9.60E-01
Crud, mg/l(±1.0E-02)	8.00E-02	1.53E-01	2.30E-01
Tritium, µCi/ml(±5.0E-02)	1.59E+00	2.93E+00	5.39E+00
Hydrogen, cc/kg(±2.0E+00)	2.40E+01	2.97E+01	3.32E+01

Aerated liquid waste processed:	1.08E+05	gallons
Waste liquid processed through Boron Recovery System:	4.18E+04	gallons
Average primary plant leak rate:	1.38E-01	gpm
Primary to secondary leak rate:	0.00E+00	gpm

964235

OPERATING DATA REPORT

DOCKET NO. 50-213

DATE 9-12-79

COMPLETED BY Reactor Eng.

TELEPHONE (203) 267-2556

OPERATING STATUS

1. Unit Name: Conn. Yankee Atomic Power Co.
2. Reporting Period: August, 1979
3. Licensed Thermal Power(MWt): 1825
4. Nameplate Rating(Gross MWe): 600.3
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:
N/A
9. Power Level To Which Restricted. If Any(Net MWe): None
10. Reasons For Restrictions. If Any: N/A

NOTES

	This Month	Yr.-To-Date	Cumulative
11. Hours In Reporting Period	744.0	5,831.0	102,263.0 *
12. Number of Hours Reactor Was Critical	744.0	4,839.1	88,494.6 *
13. Reactor Reserve Shutdown Hours	0.0	27.6	925.7 *
14. Hours Generator On-Line	744.0	4,732.1	84,244.7 *
15. Unit Reserve Shutdown Hours	0.0	0.0	136.4
16. Gross Thermal Energy Generated(MWH)	1,355,853	8,319,740	145,258,823
17. Gross Electrical Energy Generated(MWH)	432,362	2,711,461	47,743,875
18. Net Electrical Energy Generated(MWH)	412,982	2,579,384	45,417,808
19. Unit Service Factor	100.0	81.2	82.4 *
20. Unit Availability Factor	100.0	81.2	82.5 *
21. Unit Capacity Factor(Using MDC Net)	100.9	80.4	82.2 *
22. Unit Capacity Factor(Using DER Net)	96.5	76.9	76.4 *
23. Unit Forced Outage Rate	0.0	0.6	7.5 *

24. Shutdowns Scheduled Over Next 6 Months(Type, Date and Duration of Each):
Shutdown to begin 9/28/79 to meet requirements of Bulletins 79-02, 79-13, 79-14 and 79-17. Duration approx. 2 - 3 weeks.

25. If Shutdown At End Of Report Period, Estimated Date of Startup: N/A 964236

Units In Test Status(Prior to Commercial Operations):	Forecast	Achieved
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

*Since date of commercial operation 1/1/68.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee
UNIT Haddam Neck

DATE 9-12-79

COMPLETED BY Reactor Engineering

TELEPHONE (203) 267-2556

MONTH: August, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>542</u>	17	<u>570</u>
2	<u>542</u>	18	<u>569</u>
3	<u>543</u>	19	<u>570</u>
4	<u>545</u>	20	<u>569</u>
5	<u>544</u>	21	<u>568</u>
6	<u>544</u>	22	<u>566</u>
7	<u>547</u>	23	<u>563</u>
8	<u>548</u>	24	<u>562</u>
9	<u>548</u>	25	<u>560</u>
10	<u>549</u>	26	<u>540</u>
11	<u>553</u>	27	<u>559</u>
12	<u>559</u>	28	<u>559</u>
13	<u>563</u>	29	<u>556</u>
14	<u>567</u>	30	<u>556</u>
15	<u>572</u>	31	<u>556</u>
16	<u>571</u>		

INSTRUCTIONS

364237

In 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 9-12-79
 COMPLETED BY Reactor Eng.
 TELEPHONE (203) 267-2556

REPORT MONTH August, 1979

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
<p align="center">No unit shutdowns or significant power reductions during the month of August 1979 reporting period.</p>									

POOR ORIGINAL

1 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 Operator 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 I - Same Source

07/77

061238

REFUELING INFORMATION REQUEST

1. Name of facility
Connecticut Yankee Atomic Power Company
2. Scheduled date for next refueling shutdown.
April, 1980
3. Scheduled date for restart following refueling.
Approximately eight 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 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
(d) If no such review has taken place, when is it scheduled? the core reload.
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.
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