

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 85-08

FOR THE MONTH OF

AUGUST 1985

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PDR ADOCK 05000213
R PDR

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PLANT OPERATIONS

On August 16, 1985, at 2300 hours, the plant started a load reduction to 65 percent power to conduct a routine turbine control valve test. At 0120 hours, on August 17, 1985, the test was complete and the unit continued a decrease in power to 55 percent. After cleaning the "B" and "D" condenser waterboxes, the plant started increasing load at 2241 hours on August 17, 1985. The increase was stopped at 0140 hours on August 18, 1985, and due to excessive leakage on the "A" main feed pump, a load decrease was started at 0215 hours. At 1500 hours, the plant came off line to replace the "A" main feed pump inboard seal.

The unit phased on line at 1359 hours on August 19, 1985, and after Chemistry holds were complete the plant reached full power on August 21, 1985, at 0400 hours.

The unit operated at full power for the remainder of August.

SYSTEM OR COMPONENT	INSTRUMENTATION & CONTROL AUGUST 1985 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
There are no reportable items for the month of August.					

SYSTEM OR COMPONENT	MAINTENANCE AUGUST 1985 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
"A" Steam Generator Feed Pump	Feed pump seal failed.	Excessive leaking.	NONE	Replaced seal. New style seal available for next repair.	NONE
1B RHR Pump	Weld leak on pump causing vent line.	Leak.	NONE	Weld repair.	Standby pump test run prior to repair work.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee
UNIT Haddam Neck

DATE August 1985

COMPLETED BY J. P. Drago

TELEPHONE (203) 267-2556

MONTH: AUGUST 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>556</u>
2	<u>560</u>
3	<u>559</u>
4	<u>558</u>
5	<u>555</u>
6	<u>554</u>
7	<u>553</u>
8	<u>554</u>
9	<u>552</u>
10	<u>550</u>
11	<u>550</u>
12	<u>550</u>
13	<u>549</u>
14	<u>545</u>
15	<u>541</u>
16	<u>541</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>293</u>
18	<u>180</u>
19	<u>4</u>
20	<u>118</u>
21	<u>538</u>
22	<u>553</u>
23	<u>554</u>
24	<u>555</u>
25	<u>556</u>
26	<u>558</u>
27	<u>558</u>
28	<u>560</u>
29	<u>560</u>
30	<u>560</u>
31	<u>564</u>

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.

CONNECTICUT YANKEE
 REACTOR COOLANT DATA
 MONTH: AUGUST 1985

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	: 6.45E+00 :	6.77E+00 :	7.02E+00 :
CONDUCTIVITY (UMHOS/CM)	: 3.35E+00 :	6.58E+00 :	9.90E+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)	: 1.69E+02 :	2.32E+02 :	5.04E+02 :
LITHIUM (PPM)	: 2.75E-01 :	5.68E-01 :	8.03E-01 :
TOTAL GAMMA ACT. (UC/ML)	: 3.51E-01 :	6.46E-01 :	9.53E-01 :
IODINE-131 ACT. (UC/ML)	: 3.27E-03 :	1.24E-02 :	1.25E-01 :
I-131/I-133 RATIO	: 1.03E+00 :	3.05E+00 :	3.08E+01 :
CRUD (MG/LITER)	: <1.00E-02 :	<1.00E-02 :	<1.00E-02 :
TRITIUM (UC/ML)	: 1.26E+00 :	1.84E+00 :	2.35E+00 :
HYDROGEN (CC/KG)	: 2.53E+01 :	2.92E+01 :	3.07E+01 :

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.46E+05
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 1.18E+05
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): 2.97E+00
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): 0.00E+00

NRC Operating Status Report

Haddam Neck

1. Docket: 50-213
2. Reporting Period: 08/85 Outage + On-line Hours: 22.9 + 721.1 = 744.0
3. Utility Contact: J.P. Drago (203) 267-2556, ext. 452
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): $667 \times 0.9 = 600.3$
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, reasons are: NONE
10. Power level to which restricted, if any (Net MWe): N/A
11. Reasons for restriction, if any: N/A

	MONTH	YEAR-TO-DATE	CUMULATIVE
12. Report period hours:	744.0	5,831.0	154,871.0
13. Hours reactor critical:	744.0	5,797.8	133,514.8
14. Reactor reserve shutdown hours:	0.0	0.0	1,264.0
15. Hours generator on-line:	721.1	5,751.3	127,955.8
16. Unit reserve shutdown hours:	0.0	0.0	373.7
17. Gross thermal energy generated (MWtH):	1,235,549.0	10,144,410.0	222,331,600.0 *
18. Gross electrical energy generated (MWeH):	392,098.0	3,309,565.0	72,968,710.0 *
19. Net electrical energy generated (MWeH):	372,463.3	3,153,575.0	69,414,640.0 *
20. Unit service factor:	96.9	98.6	82.6
21. Unit availability factor:	96.9	98.6	82.9
22. Unit capacity factor using MDC net:	88.0	95.0	82.4
23. Unit capacity factor using DER net:	86.0	92.9	77.1
24. Unit forced outage rate:	3.1	1.4	5.7
25. Forced outage hours:	22.9	79.7	7,785.8

26. Shutdowns scheduled over next 6 months (type, date, duration):
 REFUELING, 01/04/86, 8 to 12 weeks depending on steam generator test results.

27. If currently shutdown, estimated startup date: N/A

* Cumulative values from the first criticality (07/24/67). (The remaining cumulative values are from the first date of commercial operation, 01/01/68).

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213

UNIT NAME Conn. Yankee

DATE Sept. 15, 1985

COMPLETED BY C. B. Dean

TELEPHONE (203) 267-2556

REPORT MONTH AUGUST 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	LER RPT.	System ⁴ Code	Component ⁵ Code	Cause & Corrective Action to Prevent Recurrence
85-06	08-16-85	S	0.0	B	5	N/A	HA	TURBIN	Reduction for monthly turbine valve test. While at reduced load, condenser waterboxes were cleaned.
85-07	08-18-85	F	22.9	A	†	N/A	CH	PUMPXX	Unit taken off-line due to steam generator feed pump seal leak. Replaced seal and returned unit to service.

1

F Forced
S Scheduled

2

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

3

Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)
 5-Reduced Load
 9-Other

4

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

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Exhibit 1 Same Source

REFUELING INFORMATION REQUEST

1. Name of facility

Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

January 4, 1986

3. Scheduled date for restart following refueling.

March 1, 1986 - March 29, 1986

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?

1. Revise the allowance factors in calculating core power peaking.
2. Revise the axial offset limits for 4 loop and 3 loop operation.
3. Revise the RCS mass flow specification due to anticipated S/G work.

(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)?

Core reload design in progress.

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

November 1985

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

December 1985

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.

NO

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

(a) 157 (b) 545

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



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

RR#1 • BOX 127E • EAST HAMPTON, CONN. 06424

September 15, 1985

Docket No. 50-213

Director, Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

In accordance with reporting requirements, the Connecticut Yankee Haddam Neck Plant Monthly Operating Report 85-08, covering operations for the period August 1, 1985 to August 31, 1985 is hereby forwarded.

Very truly yours,

Richard H. Graves
Station Superintendent

RHG/sos
Enclosures

- cc: (1) Director, Region I
Division of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406
- (2) Director, Office of Inspection and
Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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