

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 85-07

FOR THE MONTH OF

JULY 1985

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#### PLANT OPERATIONS

On July 14, 1985, at 0000 hours, the plant started a load reduction to 400 Mwe to conduct a routine turbine control valve test. At 0212 hours, the test was complete and the unit reached full power at 0455 hours.

On July 26, 1985, at 1703 hours, a load reduction to 350 Mwe was initiated to clean the "A" and "C" condenser waterboxes. On July 27, 1985, at 0110 hours, the plant started increasing load and reached 100 percent power on July 28, 1985, at 0357 hours.

The unit remained at full power for the remainder of July.

SYSTEM OR COMPONENT	INSTRUMENTATION AND CONTROL JULY 1985 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
Pressurizer Pressure Channel #3.	AC noise on DC signal in Channel #3 variable low pressure trip circuit.	Loss of variable low pressure trip in Channel #3.	No variable low pressure trip in Channel #3.	Replace capacitors in low pressure scram calculator, low pressure scram calculator limits and low pressure trip bistable remote setpoint unit.	Inserted trip signal in Channel #3.

SYSTEM OR COMPONENT	MAINTENANCE JULY MALFUNCTION 1985		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
"B" Auxiliary Feed Pump T-2.	Oil leak - lose fitting.	Partial loss of oil.	NONE	Replaced leaking fitting.	Verified operability of "A" Auxiliary Feed Pump.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee  
UNIT Haddam Neck

DATE July 1985

COMPLETED BY J. P. Drago

TELEPHONE (203) 267-2556

MONTH: JULY 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>560</u>
2	<u>557</u>
3	<u>552</u>
4	<u>549</u>
5	<u>547</u>
6	<u>545</u>
7	<u>542</u>
8	<u>542</u>
9	<u>539</u>
10	<u>537</u>
11	<u>537</u>
12	<u>537</u>
13	<u>537</u>
14	<u>516</u>
15	<u>537</u>
16	<u>539</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>540</u>
18	<u>540</u>
19	<u>538</u>
20	<u>536</u>
21	<u>534</u>
22	<u>533</u>
23	<u>534</u>
24	<u>537</u>
25	<u>537</u>
26	<u>478</u>
27	<u>317</u>
28	<u>543</u>
29	<u>550</u>
30	<u>549</u>
31	<u>550</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: JULY 1985

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	: 6.63E+00 :	6.78E+00 :	6.88E+00 :
CONDUCTIVITY (UMHOS/CM)	: 6.90E+00 :	8.78E+00 :	1.10E+01 :
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)	: 2.50E+02 :	2.93E+02 :	3.56E+02 :
LITHIUM (PPM)	: 5.95E-01 :	7.87E-01 :	1.00E+00 :
TOTAL GAMMA ACT. (UC/ML)	: 1.02E-01 :	5.65E-01 :	8.33E-01 :
IODINE-131 ACT. (UC/ML)	: 3.11E-03 :	4.45E-03 :	6.48E-03 :
I-131/I-133 RATIO	: 1.09E+00 :	1.52E+00 :	2.20E+00 :
CRUD (MG/LITER)	: <1.00E-02 :	<1.00E-02 :	<1.00E-02 :
TRITIUM (UC/ML)	: 1.14E+00 :	1.78E+00 :	2.11E+00 :
HYDROGEN (CC/KG)	: 3.13E+01 :	3.30E+01 :	3.42E+01 :

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.37E+05  
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 2.29E+04  
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): 3.17E+00  
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): 0.00E+00

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# NRC Operating Status Report

## Haddam Neck

1. Docket: 50-213
2. Reporting Period: 07/85      Outage + On-line Hours:  $0.0 + 744.0 = 744.0$
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	5,087.0	154,127.0
13. Hours reactor critical:	744.0	5,053.8	132,770.8
14. Reactor reserve shutdown hours:	0.0	0.0	1,264.0
15. Hours generator on-line:	744.0	5,030.2	127,234.7
16. Unit reserve shutdown hours:	0.0	0.0	373.7
17. Gross thermal energy generated (MWtH):	1,334,672.0	8,908,864.0	221,096,100.0 *
18. Gross electrical energy generated (MWeH):	415,745.0	2,917,467.0	72,576,620.0 *
19. Net electrical energy generated (MWeH):	395,716.9	2,781,112.0	69,042,180.0 *
20. Unit service factor:	100.0	98.9	82.6
21. Unit availability factor:	100.0	98.9	82.8
22. Unit capacity factor using MDC net:	93.5	96.1	82.4
23. Unit capacity factor using DER net:	91.4	93.9	77.0
24. Unit forced outage rate:	0.0	1.1	5.8
25. Forced outage hours:	0.0	56.8	7,762.9

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 JULY 1985

COMPLETED BY J. P. Drago

TELEPHONE (203) 267-2556

REPORT MONTH JULY 1985

No.	Date	Type <sup>2</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER RPT.	System Code <sup>4</sup>	Component <sup>5</sup> Code	Cause & Corrective Action to Prevent Recurrence
85-05	07-27-85	S	34 hours 54 min.	B	4	N/A	HC	HTEXCH	Cause - Condenser fouling Corrective Action - Reduced load to clean condenser waterboxes "A" and "C".

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)

4  
Exhibit C-Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File  
(NUREG-0161)

5  
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?

NO

- (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)?

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.

N/A

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.

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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



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

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

August 15, 1985

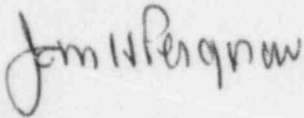
Docket No. 50-213

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 85-07, covering operations for the period July 1, 1985 to July 31, 1985 is hereby forwarded.

Very truly yours,

*for* 

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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