

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 85-04

FOR THE MONTH OF

APRIL 1985

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PDR ADOCK 05000213
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PLANT OPERATIONS

On April 13, 1985, at 0000 hours, the plant commenced a scheduled load reduction to 50 percent power to repair the "B" condensate pump motor. At 0205 hours, the plant reached 50 percent and made necessary repairs. The unit commenced a load increase on April 14, 1985, at 0329 hours, holding at 65 percent power to conduct a routine turbine control valve test. The plant reached full power at 1053 hours.

The plant reduced load to 97 percent power on April 22, 1985, for a short period of time to work on a feedwater regulating valve.

On April 28, 1985, at 1710 hours, a broken air line on a component cooling temperature control valve caused the valve to close. This resulted in heatup of the letdown system causing a release of boron from the demineralizer. Plant load temporarily decreased to approximately 598 Mwe due to the increase in boron concentration. The unit returned to 100 percent power at 1820 hours on April 28, 1985.

SYSTEM OR COMPONENT	MAINTENANCE APRIL MALFUNCTION 1985		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
P-9-1B Boric Acid Pump CY-85-0229	Worn fitting on equalizing line	Leakage	Possible loss of boric acid pump	Replaced worn parts	NONE
F-17-1 Car Fan CY-85-02231	Misalignment	High equipment vibration	Possible bearing/ coupling failure	Realigned fan to motor	NONE

SYSTEM OR COMPONENT	INSTRUMENTATION & CONTROL APRIL MALFUNCTION 1985	EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT		
No significant items to report for the month of April.				

CONNECTICUT YANKEE
 REACTOR COOLANT DATA
 MONTH: APRIL 1985

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM

PH @ 25 DEGREES C	: 6.46E+00	: 6.66E+00	: 6.87E+00
CONDUCTIVITY (UMHDS/CM)	: 9.50E+00	: 1.31E+01	: 1.69E+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)	: 5.09E+02	: 5.61E+02	: 6.13E+02
LITHIUM (PPM)	: 9.03E-01	: 1.21E+00	: 1.45E+00
TOTAL GAMMA ACT. (UC/ML)	: 2.23E-01	: 6.67E-01	: 1.17E+00
IODINE-131 ACT. (UC/ML)	: 2.01E-03	: 2.96E-03	: 4.32E-03
I-131/I-133 RATIO	: 8.87E-01	: 1.29E+00	: 1.80E+00
CRUD (MG/LITER)	: <1.00E-02	: <1.00E-02	: <1.00E-02
TRITIUM (UC/ML)	: 2.48E+00	: 2.82E+00	: 3.19E+00
HYDROGEN (CC/KG)	: 2.74E+01	: 2.88E+01	: 3.12E+01

AERATED LIQUID WASTE PROCESSED(GALLONS):	5.20E+03
WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS):	0.00E-01
AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE):	3.35E-01
PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE):	0.00E+00

1. DOCKET.....52-213
 2. REPORTING PERIOD...APRIL 1985
 3. UTILITY CONTACT.....J. P. DRAGO
 4. LICENSED THERMAL POWER.....7-2556 EXI 452
 5. NAMEPLATE RATING (GROSS MWE).....1625
 6. DESIGN ELECTRICAL RATING (NET MWE).....667 X 0.9 = 600.3
 7. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE).....562
 8. MAXIMUM DEPENDABLE CAPACITY (NET MWE).....559
 9. IF CHANGES OCCUR ABOVE SINCE LAST REPORT, REASONS ARE.....N/A

10. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE).....N/A
 11. REASON FOR RESTRICTION, IF ANY.....N/A

	MONTH	YR. TO DATE	CUMULATIVE TO DATE
12. HOURS IN REPORTING PERIOD	719.0	2079.0	151912.0 #
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	719.0	2658.9	130576.0 #
14. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1266.0 #
15. HOURS GENERATOR ONLINE	719.0	2842.6	125047.1 #
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7 #
17. GROSS THERMAL ENERGY GENERATED (MWH)	1284517.0	5009991.0	217197174.0
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	429100.0	1672767.0	71331915.0
19. NET ELECTRICAL ENERGY GENERATED (MWH)	409795.7	1595441.6	67856505.7
20. UNIT SERVICE FACTOR	100.0	98.7	82.3 #
21. UNIT AVAILABILITY FACTOR	100.0	98.7	82.6 #
22. UNIT CAPACITY FACTOR (USING WDC NET)	100.2	97.4	82.2 #
23. UNIT CAPACITY FACTOR (USING DER NET)	97.9	95.2	75.8 #
24. UNIT FORCED OUTAGE RATE	0.0	1.3	5.8 #
25. UNIT FORCED OUTAGE HOURS	0.0	36.4	7742.5 #

* SINCE COMMERCIAL OPERATION 1/1/58

SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE AND DURATION OF EACH)..... N/A

IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE..... N/A

 * CONNECTICUT YANKEE *
 * HADDAM NECK PLANT *

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee

UNIT Haddam Neck

DATE April 1985

COMPLETED BY C. B. Dean

TELEPHONE (203) 267-2556

MONTH: APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>583</u>
2	<u>583</u>
3	<u>583</u>
4	<u>583</u>
5	<u>584</u>
6	<u>583</u>
7	<u>583</u>
8	<u>583</u>
9	<u>583</u>
10	<u>583</u>
11	<u>583</u>
12	<u>583</u>
13	<u>291</u>
14	<u>506</u>
15	<u>582</u>
16	<u>582</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>582</u>
18	<u>582</u>
19	<u>582</u>
20	<u>582</u>
21	<u>582</u>
22	<u>581</u>
23	<u>582</u>
24	<u>582</u>
25	<u>582</u>
26	<u>581</u>
27	<u>581</u>
28	<u>581</u>
29	<u>581</u>
30	<u>581</u>
31	<u>---</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213

UNIT NAME Conn. Yankee

DATE April 1985

COMPLETED BY C. B. Dean

TELEPHONE (203)267-2556

REPORT MONTH APRIL 1985

No.	Date	Type ²	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	LER RPT.	System Code ⁴	Component ⁵ Code	Cause & Corrective Action to Prevent Recurrence
85-03	04-13-85	S	34 hours 53 minutes	B	1	N/A	HH	MOTORX	Reduce power to 50 per- cent to repair "B" condensate pump motor

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 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

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?

N/A

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.

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

May 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 Monthly Operating Report 85-04, covering operations for the period April 1, 1985 to April 30, 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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