CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 85-06

FOR THE MONTH OF

JUNE 1985

IE24
1/1

PLANT OPERATIONS

On June 9, 1985, at 0005 hours, the plant commenced a load reduction to 400 Mwe to conduct a routine turbine control valve test. The test was terminated at 0500 hours, due to a malfunction in number two turbine control valve. The plant returned to full power at 0952 hours.

On June 13, 1985, at 1201 hours, the plant started decreasing load to retest the turbine control valves. After maintenance, the No. 2 control valve worked properly and the test was completed. The No. 2 control valve was subsequently cycled several times and responded properly. The unit started a load increase at 1620 hours and reached full power at 2010 hours.

On June 22, 1985, at 1625 hours, the plant initiated a load decrease due to pressurizer pressure channel No. 1 reading high. The indicator was replaced and the plant returned to full power at 2144 hours.

On June 26, 1985, at 0700 hours, the unit decreased load to 75 percent power to repair sensing lines on the reactor coolant system loop flow transmitters. The plant returned to 100 percent power at 2055 hours, and remained there for the rest of June.

SYSTEM OR COMPONENT	MAINTENANCE JUNE 1985 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
P-18-1A Charging Pump	Broken pump shaft.	Loss of pump.	Loss of "A" charging pump for 72 hours.	Replaced pump internal assembly. Researching cause of shaft failure.	NONE

SYSTEM OR COMPONENT	INSTRUMENTATION & CONTROL JUNE 1985 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTION TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
Loop 1 and Loop 4 reactor coolant flow transmitters had tubing and fitting connection leaks.	Potential erosion and/or loose fitting.	Small reactor coolant leak/ spray into containment.	N/A	Replaced tubing and fittings.	Reduced load to 75 percent, inserted trip signal in each loop as it was worked on (one loop at a time).

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213
Conn. Yankee
UNIT Haddam Neck

DATE July 15, 1985

COMPLETED BY C. B. Dean

TELEPHONE (203) 267-2556

MONTH: JUNE

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	560	17	559
2	558	18	556
3	555	19	557
4	552	20	555
5	554	21	553
6	555	22	543
7	554	23	551
8	556	24	551
9	508	25	552
10	560	26	478
11	559	27	556
12	558	28	558
13	505	29	559
14	559	30	560
15	560	31	---
16	559		

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.

(9/77)

CONNECTICUT YANKEE
REACTOR COOLANT DATA
MONTH: JUNE 1985

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	6.58E+00	6.70E+00	6.84E+00
CONDUCTIVITY (UMHOS/CM)	7.90E+00	9.64E+00	1.17E+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)	3.30E+02	3.76E+02	4.22E+02
LITHIUM (PPM)	7.60E-01	8.84E-01	1.07E+00
TOTAL GAMMA ACT. (UC/ML)	3.55E-01	5.27E-01	8.38E-01
IODINE-131 ACT. (UC/ML)	3.15E-03	4.73E-03	7.84E-03
I-131/I-133 RATIO	1.05E+00	1.57E+00	2.40E+00
CRUD (MG/LITER)	<1.00E-02	<1.00E-02	<1.00E-02
TRITIUM (UC/ML)	1.45E+00	1.53E+00	1.63E+00
HYDROGEN (CC/KG)	3.04E+01	3.15E+01	3.27E+01

AERATED LIQUID WASTE PROCESSED(GALLONS):	7.28E+04
WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS):	6.97E+04
AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE):	1.71E+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: 06/85 Outage + On-line Hours: 0.0 + 720.0 = 720.0
3. Utility Contact: J.P. Drago (203) 267-2556, ext. 452
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): 667 x 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:	720.0	4,343.0	153,383.0
13. Hours reactor critical:	720.0	4,309.8	132,026.8
14. Reactor reserve shutdown hours:	0.0	0.0	1,264.0
15. Hours generator on-line:	720.0	4,286.2	126,490.7
16. Unit reserve shutdown hours:	0.0	0.0	373.7
17. Gross thermal energy generated (MWtH):	1,298,329.0	7,574,192.0	219,761,375.0 *
18. Gross electrical energy generated (MWeH):	415,335.0	2,501,722.0	72,160,870.0 *
19. Net electrical energy generated (MWeH):	396,022.6	2,385,395.2	68,646,460.2 *
20. Unit service factor:	100.0	98.7	82.5
21. Unit availability factor:	100.0	98.7	82.7
22. Unit capacity factor using MDC net:	96.7	96.5	82.3
23. Unit capacity factor using DER net:	94.5	94.4	77.0
24. Unit forced outage rate:	0.0	1.3	5.8
25. Forced outage hours:	0.0	56.8	7,762.9

26. Shutdowns scheduled over next 6 months (type,date, duration): NONE

27. If currently shutdown, estimated startup date:

* 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 15, 1985
COMPLETED BY C. B. Dean
TELEPHONE (203)267-2556

REPORT MONTH JUNE 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
									No unit shutdowns or power reductions for the month of June.

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 (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

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

July 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 85-06, covering operations for the period June 1, 1985 to June 30, 1985 is hereby forwarded.

Very truly yours,

John N Ferguson

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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