



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

362 INJUN HOLLOW ROAD • EAST HAMPTON, CT 06424-3099

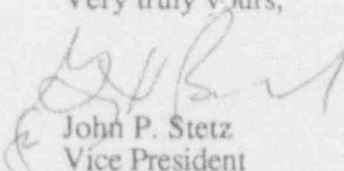
December 15, 1992
Re: Technical Specification 6.9.1.8
Docket No. 50-213

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Dear Sir:

In accordance with reporting requirements of Technical Specification 6.9.1.8, the Connecticut Yankee Haddam Neck Plant Monthly Operating Report 92-12 covering operations for the period November 1, 1992 to November 31, 1992 is hereby forwarded.

Very truly yours,


John P. Stetz
Vice President
Haddam Neck Station

JFS/va

- cc: (1) Regional Administrator, Region 1
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406
- (2) William Raymond
Sr. Resident Inspector
Connecticut Yankee

JE24 1/1

Connecticut Yankee Atomic Power Company

Haddam Neck Plant

Haddam, Connecticut

Monthly Operating Report No. 92-12

For The Month of

November, 1992

Plant Operations Summary - November 1992

The following is the Summary of Plant Operations for November 1992:

The plant was operated at 100% power for the month of November.

AVERAGE DAILY UNIT POWER LEVEL

Docket No: 50-213

Unit: Connecticut Yankee
Haddam Neck

Date: December 15, 1992

Completed By: K. W. Emmons

Month: November, 1992

Telephone: (203) 267-3654

DAY AVERAGE POWER LEVEL
 (MWe-Net)

1	<u>581</u>
2	<u>580</u>
3	<u>581</u>
4	<u>581</u>
5	<u>581</u>
6	<u>581</u>
7	<u>581</u>
8	<u>581</u>
9	<u>581</u>
10	<u>584</u>
11	<u>581</u>
12	<u>581</u>
13	<u>581</u>
14	<u>580</u>
15	<u>580</u>
16	<u>581</u>

DAY AVERAGE POWER LEVEL
 (MWe-Net)

17	<u>581</u>
18	<u>582</u>
19	<u>582</u>
20	<u>582</u>
21	<u>581</u>
22	<u>581</u>
23	<u>581</u>
24	<u>579</u>
25	<u>579</u>
26	<u>580</u>
27	<u>582</u>
28	<u>580</u>
29	<u>581</u>
30	<u>581</u>
31	

I&C DEPARTMENT

Report Month: November 1992

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			
	There were no reportable items for the I&C Department for the month of November 1992				

MAINTENANCE DEPARTMENT

Report Month November 1992

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			
There were no reportable items for the Maintenance Department for November 1992					

UNIT SHUTDOWNS AND POWER REDUCTION

Report Month: November 1992

Docket No: 50-213
 Unit Name: Connecticut Yankee
 Date: December 15, 1992
 Completed By: M. Bigalbal
 Telephone: (203) 267-3141

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting down Reactor	LER Report #	System Code	Component Code	Cause and Corrective Action to Prevent Recurrence
There were no reportable shutdowns or power reduction in November 1992									

TYPE

F Forced
 S Scheduled

REASON

A Equipment Failure
 B Maintenance or Test
 C Refueling
 D Regulatory Restriction
 E Operator Training
 F Administrative
 G Operator Error
 H Other (Explain)

METHOD

1 Manual
 2 Manual Scram
 3 Automatic Scram
 4 Continued
 5 Reduced Load
 9 Other

SYSTEM & COMPONENT

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

NRC OPERATING STATUS REPORT

Haddam Neck

1. Docket: 50-213
2. Reporting Period: 11/92 Outage + On-line Hours: 0.0 + 720.0 = 720.0
3. Utility Contact: M. P. Bain (203) 267-3635
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): 586.9
8. Maximum Dependable Capacity (Net MWe): 560.1
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	8,040.0	218,424.0
13. Hours reactor critical:	720.0	6,295.6	174,062.4
14. Reactor reserve shutdown hours:	0.0	0.0	1,285.0
15. Hours generator on-line:	720.0	6,211.3	167,543.2
16. Unit reserve shutdown hours:	0.0	0.0	398.0
17. Gross thermal energy generated (MWtH):	1,305,919.0	11,020,909.0	289,563,829.0 *
18. Gross electrical energy generated (MWeH):	437,853.0	3,633,315.0	94,869,439.0 *
19. Net electrical energy generated (MWeH):	418,221.0	3,448,008.4	90,128,378.9 *
20. Unit service factor:	100.0	77.3	76.7
21. Unit availability factor:	100.0	77.3	76.9
22. Unit capacity factor using MDC net:	103.7	76.6	74.9
23. Unit capacity factor using TCR net:	99.8	73.7	70.9
24. Unit forced outage rate:	0.0	0.6	5.7
25. Forced outage hours:	0.0	39.5	10,078.5

26. Shutdowns scheduled over next 6 months (type,date, duration): refueling, May 1,1993,10 weeks

27. If currently shut down, 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).

CONNECTICUT YANKEE
REACTOR COOLANT DATA
MONTH: November 1992

REACTOR COOLANT ANALYSIS

	MINIMUM	AVERAGE	MAXIMUM
pH @ 25° C	6.44	6.55	6.76
CONDUCTIVITY (μ mhos/cm)	11.32	12.85	15.54
Chlorides (ppm)	<0.050	<0.050	<0.050
Dissolved Oxygen (ppb)	<5	<5	<5
Boron (ppm)	479	527	572
Lithium (ppm)	0.878	1.095	1.232
Total Act. (μ Ci/ml)	0.147	0.346	0.380
I-Ratio	.65	.72	.76
I 131 (μ Ci/ml)	1.60E-03	1.82E-03	2.17E-03
Crud (mg/l)	<1	<1	<1
TRITIUM (μ Ci/mL)	4.59	4.78	4.97
Hydrogen (cc/Kg)	24.38	25.27	26.88

Aerated Liquid Waste Processed (Gallons): 1.08E+05
Waste Liquid Processed through Boron Recovery (Gallons): 0.00E+00
Average Primary Leak Rate (Gallons per Minute): .249
Primary to Secondary Leak Rate (Gallons per Minute): 3.90E-03

Refueling Information Request

1. Name of facility
Haddam Neck
2. Scheduled date for next refueling shutdown.
May 1, 1993
3. Scheduled date for restart following refueling.
July 7, 1993
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?
Technical Specification change to remove three loop specifications and failed fuel rod limit specification.
(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?
n/a
(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.
March 1993
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.
n/a
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
(a) 157 (b) 757
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.
1998