

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 82-6

FOR THE MONTH OF

JUNE 1982

8208120239 820713
PDR ADOCK 05000213
R PDR

PLANT OPERATIONS

The following is a summary of plant operations for the month of June 1982:

The unit operated at full power until June 4 at 1340 when the plant tripped due to fragmenting shim pieces in the generator exciter which caused a loss of generator field. The exciter was repaired and the plant phased on line June 10 at 0220. Condenser tubes were plugged and the unit reached full load on June 11 at 0646.

The plant commenced a load reduction to 40 MWe on June 30 at 2200 to repair a steam leak on the high pressure turbine extraction line to the #2A and #2B feedwater heaters.

SYSTEM OR COMPONENT	Instrument and Control June 1982 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
Containment air recirculation fan bypass damper	Damper control linkage was found disconnected, assumed due to normal wear	Decreased fan capability to remove containment air activity	None	Reconnected linkage and adjusted switch	None

SYSTEM OR COMPONENT	Maintenance Report for June 1982 MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
#1 Main Steam Trip Valve	<u>Cause:</u> Valve disk bound in open position <u>Reason:</u> Disk tail link misaligned with rock shaft	Valve failed to close during valve test	None	Repaired tail link and aligned with rock shaft	Unit was already shutdown and main steam system isolated

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee

UNIT Haddam Neck

DATE July 13, 1982

COMPLETED BY REACTOR ENGINEERING

TELEPHONE (203) 267-2556

MONTH: JUNE 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>574</u>	17	<u>574</u>
2	<u>573</u>	18	<u>573</u>
3	<u>573</u>	19	<u>573</u>
4	<u>341</u>	20	<u>572</u>
5	<u>0</u>	21	<u>572</u>
6	<u>0</u>	22	<u>570</u>
7	<u>0</u>	23	<u>570</u>
8	<u>0</u>	24	<u>570</u>
9	<u>0</u>	25	<u>568</u>
10	<u>163</u>	26	<u>568</u>
11	<u>556</u>	27	<u>567</u>
12	<u>577</u>	28	<u>568</u>
13	<u>578</u>	29	<u>567</u>
14	<u>577</u>	30	<u>555</u>
15	<u>574</u>	31	<u></u>
16	<u>572</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: JUNE 1982

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	6.17E+00	6.48E+00	6.64E+00
CONDUCTIVITY (UMHOS/CM)	1.19E+01	1.75E+01	2.15E+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)	5.23E+02	6.50E+02	1.05E+03
LITHIUM (PPM)	1.16E+00	1.63E+00	2.04E+00
TOTAL GAMMA ACT. (UC/ML)	1.88E-01	1.27E+00	1.95E+00
IODINE-131 ACT. (UC/ML)	1.80E-03	8.52E-03	2.71E-02
I-131/I-133 RATIO	2.62E-01	8.40E-01	1.51E+00
CRUD (MG/LITER)	<1.00E-02	<1.00E-02	<1.00E-02
TRITIUM (UC/ML)	2.33E+00	3.06E+00	3.92E+00
HYDROGEN (CC/KG)	2.63E+01	2.97E+01	3.58E+01

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.56E+05
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 1.62E+04
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): 2.41E-01
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): 0.00E+00

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213
 UNIT NAME CONN. YANKEE
 DATE July 13, 1982
 COMPLETED BY Reactor Eng.
 TELEPHONE (203) 267-2556

REPORT MONTH June 1982

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
82-07	820604	F	132.7	A	3	N/A	HA	GENERA	Reactor & Turbine trip due to short circuit in exciter causing loss of exciter field. Repaired short circuit & verified all materials secured in exciter.
						LER 82-04/1P	CD	MSIV 1	Also, during this time period the number 1 main steam trip isolation valve would not go closed when cooled down. Repaired and realigned tail link and retested valve.

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)

⁵
 Exhibit I Same Source

36 100 100001111
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***** OPERATING STATUS REPORT COMPLETED BY REACTOR ENGINEERING *****

1. REPORT PERIOD..... **JUNE 1985** 0 P E R A T I N G A T A 7 1 1 0 *****
 2. REPORTING PERIOD..... **JUNE 1985** OUTAGE + ON-LINE HR..... 131.7 + 587.3 + 710.0 * **CONNECTICUT Yankee ***
 3. UTILITY CONTRACT..... DON ANDERSON (203) 257-5555 EX258 * **HADDAM MECK PLANT *** *****
 4. LICENSED THERMAL POWER (MWT)..... 1925
 5. MAXIMUM THERMAL POWER (MWT)..... 1925
 6. DESIGN ELECTRICAL RATING (NET MWE)..... 582
 7. MAXIMUM DEPENDABLE CAPACITY (GROSS MWT)..... 582
 8. MAXIMUM DEPENDABLE CAPACITY (NET MWE)..... 555
 9. IF CHANGES OCCUR ABOVE, SINCE LAST REPORT, GIVE REASONS..... **NONE**
 10. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)..... **NONE**
 11. REASON FOR RESTRICTION, IF ANY..... **N/A**

	MONTH	YR. TO DATE	CUMULATIVE TO DATE
12. HOURS IN REPORTING PERIOD	720.0	4347.0	127079.0 *
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	713.0	4302.0	109883.5 *
14. REACTOR RESERVE SHUTDOWN HOURS	125.7	250.9	1443.4 *
15. HOURS GENERATOR ON LINE	587.3	4025.8	104929.8 *
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17. GROSS THERMAL ENERGY GENERATED (MWH)	1041904.	7122101.	181771357.
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	342045.	2361151.	59734628.
19. NET ELECTRICAL ENERGY GENERATED (MWH)	324696.	2248840.	56829295.
20. UNIT SERVICE FACTOR	81.6	92.7	82.6 *
21. UNIT AVAILABILITY FACTOR	81.7	92.7	82.9 *
22. UNIT CAPACITY FACTOR USING MWT NETS	81.3	93.3	82.4 *
23. UNIT CAPACITY FACTOR USING TCR NETS	77.5	89.3	76.1 *
24. UNIT FORCED OUTAGE HOURS	10.4	7.1	6.4 *
25. UNIT FORCED OUTAGE HOURS	100.2	147.3	7075.5 *
26. SHUTDOWN ENERGY (MWH) REACTOR AND GENERATOR OF TCR NETS			NONE
27. IF AVAILABLE, SHUTDOWN ESTIMATED SHUTDOWN DATE			N/A

***** OPERATIVE STATUS REPORT COMPLETED BY REACTOR ENGINEERING *****

1. REPORT.....50-210 O P E R A T I N G S T A T U S *****
 2. REPORTING PERIOD..... OUTAGE * ON-LINE HR...102.7 * 509.3 * 720.0 *
 3. UTILITY CONTACT.....DON ANDERSON (203) 257-2555 ER259 * CONNECTICUT YANVEE *
 4. LICENSED THERMAL POWER(MWT).....1025 * HADDAM NECK PLANT *
 5. WORKPLATE RATING(GROSS MWE).....515 * 515 * 515.0 *****
 6. DESIGN ELECTRICAL RATING(NET MWE).....502
 7. MAXIMUM USEABLE CAPACITY(GROSS MWE).....532
 8. MAXIMUM DEPENDABLE CAPACITY(NET MWE).....505
 9. IF CHANGES OCCUR ABOVE, SINCE LAST REPORT, GIVE REASONS.....
 10. POWER LEVEL TO WHICH RESTRICTED, IF ANY(NET MWE).....
 11. REASON FOR RESTRICTION, IF ANY.....

CUMULATIVE TO DATE

	MONTH	YR. TO DATE	CUMULATIVE TO DATE
12. HOURS IN REPORTING PERIOD	720.0	4242.0	127079.0 *
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	713.0	4200.0	109553.5 *
14. REACTOR RESERVE SHUTDOWN HOURS	115.7	250.9	1445.4 *
15. HOURS GENERATOR ON LINE	587.3	4005.8	104928.8 *
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17. GROSS URCHAL ENERGY GENERATED (MWH)	104106.	311210.	18177137.
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	34205.	2241171.	79734629.
19. NET ELECTRICAL ENERGY GENERATED (MWH)	324496.	2248840.	56829295.
20. UNIT SERVICE FACTOR	81.6	81.7	82.6 *
21. UNIT AVAILABILITY FACTOR	81.6	82.7	82.9 *
22. UNIT CAPACITY FACTOR (USING MDC NET)	81.0	82.0	82.6 *
23. UNIT CAPACITY FACTOR (USING DER NET)	77.5	82.0	76.1 *
24. UNIT FORCED OUTAGE RATE	18.4	7.0	6.6 *
25. UNIT FORCED OUTAGE HOURS	132.7	917.0	7375.5 *

26. UNIT FORCED SHUTDOWN HOURS WITH A MONTHLY RATE AND DURATION OF 8000.....

27. IF POSSIBLY, SUBMITTING ESTIMATED CREDIT FACTOR.....

REFUELING INFORMATION REQUEST

1. Name of facility

Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

Late January 1983

3. Scheduled date for restart following refueling.

Mid March 1983

4. (a) Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

No technical specifications changes are anticipated at this time.

- (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)?

When documents are received from the vendor they are reviewed in accordance with 10CFR 50.59 to determine if unreviewed safety questions are core reload associated.

- (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.

There are no scheduled dates because of (4) above.

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.

NONE

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

(A) 157 (B) 441

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