

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 82-7

FOR THE MONTH OF

JULY 1982

8209240286 820813
PDR ADOCK 05000213
R PDR

PLANT OPERATIONS

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

The unit commenced a load increase at 1325 on July 1, being at 45 MWe to repair a steam leak on the high pressure turbine extraction line to the #2A and #2B feedwater heaters.

A turbine control valve test was conducted and the plant reached full power at 2125 on July 1.

The unit continued at 100% power throughout the remainder of the month.

1. DOCKET... 50-210 OPERATING STATUS *****
 2. REPORTING PERIOD... JULY 1982 OUTAGE +V+LINE HR... 0.0 + 744.0 + 744.0 * CONNECTICUT 1800EE *
 3. UTILITY CONTACT... GRAHAM BELL (203) 247-2556 E1 258 * HADDAM NECK PLANT *
 4. LICENSED THERMAL POWER(MWT)..... 825 *****
 5. NAMEPLATE RATING(GROSS MWE)..... 667 X 0.3 100.3
 6. DESIGN ELECTRICAL RATING(NET MWE)..... 582
 7. MAXIMUM DEFENDABLE CAPACITY(GROSS MWE)..... 582
 8. MAXIMUM DEFENDABLE CAPACITY(NET MWE)..... 585
 9. IF CHANGES OCCUR ABOVE, SINCE LAST REPORT, GIVE REASONS....

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	744.0	5087.0	127823.0 *
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	5046.0	110547.5 *
14. REACTOR RESERVE SHUTDOWN HOURS	0.0	250.9	1443.4 *
15. HOURS GENERATOR ON LINE	744.0	4769.8	105672.8 *
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17. GROSS THERMAL ENERGY GENERATED (MWH)	1327547.	8449648.	183098904.
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	422085.	2783236.	80156713.
19. NET ELECTRICAL ENERGY GENERATED (MWH)	402151.	2650994.	57231446.
20. UNIT SERVICE FACTOR	100.0	93.8	82.7 *
21. UNIT AVAILABILITY FACTOR	100.0	93.8	83.0 *
22. UNIT CAPACITY FACTOR (USING MDC NET)	97.4	93.9	82.5 *
23. UNIT CAPACITY FACTOR (USING DER NET)	92.9	89.5	76.2 *
24. UNIT FORCED OUTAGE RATE	0.0	6.2	6.5 *
25. UNIT FORCED OUTAGE HOURS	0.0	317.2	7375.5 *

*SINCE COMMERCIAL OPERATION 1/1/68

26. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS(TYPE,DATE AND DURATION OF EACH)...

REFUELING: ESTIMATED FOR 1/22/83. ESTIMATED DURATION- 7 WEEKS

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

N/A

***** OPERATING STATUS REPORT COMPLETED BY REAC FOR ENGINEERING*****

1. UNIT, 50-210 O P E R A T I N G S T A T U S
 2. REPORTING PERIOD, 8.1.1982 OUTAGE # UN-LINE NR... 0.0 # 744.0 # 744.0
 3. UTILITY CONTACT... GRADOM HELL (203) 267-2755 E/256
 4. LICENSED THERMAL POWER (MW).....1005
 5. NAMEPLATE RATING (GROSS MWE).....657 # 0.9 # 600.3
 6. DESIGN ELECTRICAL RATING (NET MWE).....502
 7. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE).....502
 8. MAXIMUM DEPENDABLE CAPACITY (NET MWE).....555
 9. IF CHANGES OCCUR ABOVE, SINCE LAST REPORT, GIVE REASONS....
 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	744.0	5087.0	127823.0 *
13. NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	5046.0	110597.5 *
14. REACTOR RESERVE SHUTDOWN HOURS	0.0	250.9	1443.4 *
15. HOURS GENERATOR ON LINE	744.0	4769.8	105672.8 *
16. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	373.7
17. GROSS THERMAL ENERGY GENERATED (MWH)	1327547.	8449648.	183098904.
18. GROSS ELECTRICAL ENERGY GENERATED (MWH)	422095.	2783256.	60156713.
19. NET ELECTRICAL ENERGY GENERATED (MWH)	402151.	2650994.	5721446.
20. UNIT SERVICE FACTOR	100.0	97.8	82.7 *
21. UNIT AVAILABILITY FACTOR	100.0	97.8	87.0 *
22. UNIT CAPACITY FACTOR (USING MBE NET)	97.4	93.9	82.5 *
23. UNIT CAPACITY FACTOR (USING DER NET)	92.9	89.5	76.2 *
24. UNIT FORCED OUTAGE RATE	0.0	6.2	6.5 *
25. UNIT FORCED OUTAGE HOURS	0.0	347.6	7375.5 *
26. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH)...			* SINCE COMMERCIAL OPERATION 1/1/69

REPELINGS ESTIMATED FOR 1/22/83. ESTIMATED DURATION, 7 WEEKS

17. IF REACTOR IS SHUTOWN, ESTIMATED RESTART DATE.....N/A

SYSTEM OR COMPONENT	MAINTENANCE REPORT FOR JULY MALFUNCTION	CAUSE	RESULT	EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
NO REPORTABLE ITEMS FOR JULY						

SYSTEM OR COMPONENT	I&C OPERATING FOR JULY MALFUNCTION		EFFECT ON SAFE OPERATION	CORRECTIVE ACTION TAKEN TO PREVENT REPETITION	SPECIAL PRECAUTIONS TAKEN TO PROVIDE FOR REACTOR SAFETY DURING REPAIR
	CAUSE	RESULT			
Pressurize sample containment isola- tion valve (TV 960)	Failed solenoid coil in valve operator	inability to open valve	none - valve fails to close position	Replaced solenoid coil	none

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee

UNIT Haddam Neck

DATE August 13, 1982

COMPLETED BY _____

TELEPHONE (203) 267-2556

MONTH: July 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>177</u>	17	<u>544</u>
2	<u>567</u>	18	<u>544</u>
3	<u>568</u>	19	<u>541</u>
4	<u>569</u>	20	<u>541</u>
5	<u>568</u>	21	<u>544</u>
6	<u>566</u>	22	<u>545</u>
7	<u>564</u>	23	<u>547</u>
8	<u>561</u>	24	<u>550</u>
9	<u>555</u>	25	<u>549</u>
10	<u>552</u>	26	<u>547</u>
11	<u>551</u>	27	<u>547</u>
12	<u>548</u>	28	<u>547</u>
13	<u>549</u>	29	<u>551</u>
14	<u>548</u>	30	<u>553</u>
15	<u>549</u>	31	<u>555</u>
16	<u>547</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 8/13/82
 REAC. ENG.
 COMPLETED BY
 TELEPHONE 203-267-2556

REPORT MONTH July 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
82-08	820701	N/A	0	A	N/A	N/A	HB	Turbin	Load decrease to repair extraction line leak on H.P. Turbine

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

CONNECTICUT YANKEE
 REACTOR COOLANT DATA
 MONTH: JULY 1982

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	: 6.30E+00	: 6.53E+00	: 6.85E+00
CONDUCTIVITY (UMHOS/CM)	: 1.13E+01	: 1.70E+01	: 2.25E+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)	: 4.30E+02	: 4.88E+02	: 6.20E+02
LITHIUM (PPM)	: 1.06E+00	: 1.58E+00	: 1.97E+00
TOTAL GAMMA ACT. (UC/ML)	: 6.72E-01	: 1.46E+00	: 2.37E+00
IODINE-131 ACT. (UC/ML)	: 5.36E-03	: 8.62E-03	: 2.07E-02
I-131/I-133 RATIO	: 6.70E-01	: 9.18E-01	: 1.16E+00
CRUD (MG/LITER)	: <1.00E-02	: <1.00E-02	: <1.00E-02
TRITIUM (UC/ML)	: 1.68E+00	: 2.41E+00	: 2.90E+00
HYDROGEN (CC/KG)	: 2.21E+01	: 2.94E+01	: 3.99E+01

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.08E+05
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 8.09E+04
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): 3.05E-01
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): 0.00E+00

REFUELING INFORMATION REQUEST

1. Name of facility

Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

JANUARY 22, 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 specification 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