

CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

HADDAM, CONNECTICUT

MONTHLY OPERATING REPORT NO. 80-6

FOR THE MONTH OF

JUNE, 1980

8007180 395

PLANT OPERATIONS

The plant was shutdown for refueling operations for the entire month.

CONNECTICUT YANKEE  
 REACTOR COOLANT DATA  
 MONTH: JUNE 1980

REACTOR COOLANT ANALYSIS	MINIMUM	AVERAGE	MAXIMUM
PH @ 25 DEGREES C	4.48E+00	4.65E+00	4.76E+00
CONDUCTIVITY (UMHOS/CM)	5.30E+00	5.95E+00	6.30E+00
CHLORIDES (PPM)	<4.00E-02	<4.00E-02	<4.00E-02
DISSOLVED OXYGEN (PPB)	*	*	*
BORON (PPM)	2.24E+03	2.28E+03	2.35E+03
LITHIUM (PPM)	*	*	*
TOTAL GAMMA ACT. (UC/ML)	7.63E-03	8.18E-02	2.52E-01
IODINE-131 ACT. (UC/ML)	*	*	*
I-131/I-133 RATIO	*	*	*
CRUD (MG/LITER)	*	*	*
TRITIUM (UC/ML)	1.17E-01	1.25E-01	1.29E-01
HYDROGEN (CC/KG)	*	*	*

AERATED LIQUID WASTE PROCESSED(GALLONS): 1.71E+05  
 WASTE LIQUID PROCESSED THROUGH BORON RECOVERY(GALLONS): 0.00E-01  
 AVERAGE PRIMARY LEAK RATE(GALLONS PER MINUTE): \*  
 PRIMARY TO SECONDARY LEAK RATE(GALLONS PER MINUTE): \*

\*Shutdown for Refueling Outage.

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			
#2 Feedwater Regulating Valve MA 1449	Age and wear	Noisy and some- times sticky operation	None	Overhauled valved	None - shutdown for refuel- ing
No. 1 Main Steam Trip Valve MA 1476	Age	Slight steam leakage at pin cover	None	Resealed and retightened pin cover	None - shutdown for refuel- ing
Pressurizer Spray Valve 574 MA 1497	Plug detached from stem	No pressure control with this valve	None - other valve used	Rebuilt valve, installed new stem	None - shutdown for refuel- ing
CC-CV-721 RCP Thermal Barrier Check Valve	Age	Leaked by	None	Replaced valve	None- shutdown for refuel- ing
A&B RHR PP Seal Piping MA 1544	Age	Slight leaks at threaded fitting	None	Remade joints	None - shutdown for refuel- ing
CC-V-760B and CC-V-764B MA 1547	Wear	Valves leaked by	None	Rebuilt valves cut disc and ground seats	None - shutdown for refuel- ing
"B" Containment Sump Pump MA 1559	Wear/Age	No output pressure	None	Rebuilt PF - installed new shaft and impeller	None - shutdown for refuel- ing
D Service Water Pump Motor MA 1562	Bad bearing	Noisy	None	Replaced faulty bearing	None - other pumps in service
WD-HICV-1840 Contain- ment Sump discharge trip VV MA 1574	Age/wear	Leaked by	None	Rebuilt valve	None - shutdown for refueling
B Boric Acid PP MA 1582	Worn out	Not pumping	None - other PP available	Rebuilt pump - replaced bearings	None - shutdown for refuel- ing

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			
FW-MOV-12 Feed Water MOV #2 SG	Disc scored	Valve hard to operate	None	Rebuilt valve - cut disc - ground seats	None - shutdown for refuel- ing
Service Water Line to #1 CAR Fan Cooler LA 1596	Worn pipe fitting	Slight leak	None - equip- ment still operable	Replaced pipe nipple	None - shutdown for refuel- ing
FW-CV-194 LA 1605 Aux. F.W. Check VV	Wear	Leaked by	None	Rebuilt valve	None - shutdown for refuel- ing
B Service Water Motor	Bad bearings	Noisy	None - other PP's available	Replaced bearing	None - shutdown for refuel- ing
LD-AOV-202 LA 1152	Improperly adjusted limit switch	Dual indication on MCB	None	Adjusted switch	None - shutdown for refuel- ing

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-213

Conn. Yankee  
UNIT Haddam Neck

DATE July 11, 1980

COMPLETED BY Reactor Engineering

TELEPHONE (203) 267-2556

MONTH: June 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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

POCKET NO. 50-213  
 UNIT NAME Conn. Yankee  
 DATE July 11, 1980  
 COMPLETED BY Reactor Engineering  
 TELEPHONE (203) 267-2556

REPORT MONTH June 1980

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-3	800503 to 800630	S	720	C	4		ZZ	ZZZZZZ	Continuation of Core 9 to Core 10 refueling

1 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 C - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (7/11/80) 0161)

5 Exhibit I - Same Source



\*\*\*\*\*NRC OPERATING STATUS REPORT COMPLETED BY REACTOR ENGINEERING\*\*\*\*\*

1. UNIT NAME....CONN. YANKEE ATOMIC POWER CO.
2. REPORTING PERIOD....June 1980
3. LICENSED THERMAL POWER(MWT)....1625
4. MAXIMUM RATING(GROSS MWE)....500.3
5. DESIGN ELECTRICAL RATING(NET MWE)....580
6. MAXIMUM DEPENDABLE CAPACITY(GROSS MWE)....577
7. MAXIMUM DEPENDABLE CAPACITY(NET MWE)....550
8. IF CHANGES OCCUR IN CAPACITY RATINGS(ITEMS 3 THROUGH 7)SINCE LAST REPORT, GIVE REASONS....N/A
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY(NET MWE)....None
10. REASON FOR RESTRICTION, IF ANY....N/A

DOCKET NO. 50-213  
 DATE July 11, 1980  
 COMPLETED BY....Reactor Eng...  
 TELEPHONE....(203) 267-2556

	THIS REPORTING PERIOD	YR. TO DATE	CUMULATIVE TO DATE
11. HOURS IN REPORTING PERIOD	740.0	4387.0	109579.0 *
12. NUMBER OF HOURS THE REACTOR WAS CRITICAL	0.0	2957.1	94153.8 *
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	11.4	1164.0 *
14. HOURS GENERATOR ON LINE	0.0	2947.7	89887.9 *
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	369.9
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	5090078.	155231219.
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	1692421.	51046887.
18. NET ELECTRICAL ENERGY GENERATED (MWH)	-1968.	1609319.	48564082.
19. UNIT SERVICE FACTOR	0.0	67.2	62.0 *
20. UNIT AVAILABILITY FACTOR	0.0	67.2	62.4 *
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	66.7	61.9 *
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	63.2	75.6 *
23. UNIT FORCED OUTAGE RATE	0.0	0.5	7.1 *
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS(TYPE,DATE AND DURATION OF EACH)....Continuation of Core 10 Refueling, started May 3, 1980, approximately 8 to 12 weeks.			
25. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP....July 14, 1980			
26. UNITS IN TEST STATUS(PRIOR TO COMMERCIAL OPERATION)....NOT APPLICABLE			

\*SINCE DATE OF COMMERCIAL OPERATION 1-1-68



REFUELING INFORMATION REQUEST

1. Name of facility

Connecticut Yankee Atomic Power Company

2. Scheduled date for next refueling shutdown.

September/October 1981

3. Scheduled date for restart following refueling

Approximately six to eight weeks

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 the above stated documents are received from the fuel vendor they will be reviewed in accordance with 10CFR50.59 to determine if any unreviewed safety questions are associated with the Core reload.

(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) 389

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

50-213

POCKET NO.  
UNIT NAME  
DATE

Conn. Yankee  
7/8/80  
Reactor Engineering  
(203) 267-2556

COMPLETED BY  
TELEPHONE

REPORT MONTH February 1980

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code	Component Code	Cause & Corrective Action To Prevent Recurrence
80-1	800221	F	0	H	N/A	NA	ZZ	ZZZZZZ	Stream Generator Chemistry out of specification.

- 1 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 (FER) File (NRC Form 870)
- 5 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1980

POCKET NO. 50-213  
 UNIT NAME Conn. Yankee  
 DATE 7/8/80  
 COMPLETED BY Reactor Engineering  
 TELEPHONE (203) 267-2556

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-2	800327 to 800328	F	13.7	H	3		ZZ	ZZZZZZ	Reactor and turbine trip due to high containment pressure/core cooling actuation signal.

<sup>1</sup>  
 F Forced  
 S Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Retooling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Source

REVISED

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-213

UNIT NAME Conn. Yankee

DATE 7/8/80

COMPLETED BY Reactor Engineering

TELEPHONE (203) 267-2556

REPORT MONTH May 1980

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-3	800503	S	685.6	C	1		ZZ	ZZZZZZ	Tripped Turbine  Normal Plant unloading from 88% power to zero for refueling outage.

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 (NURLE-0161)

5  
Exhibit I - Same Source

(1/1)