

NORTHEAST UTILITIES



CONNECTICUT ELECTRIC AND POWER COMPANY
NORFOLK ELECTRIC POWER COMPANY
NORFOLK NUCLEAR ENERGY COMPANY
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March 4, 1981

Docket Nos. 50-213
50-245
50-336
A01379

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555



- References: (1) D. G. Eisenhut letter to All Operating Plants and Applicants for Operating Licenses and Holders of Construction Permits, dated October 31, 1980, forwarding NUREG-0737.
(2) W. G. Council letter to D. G. Eisenhut, dated December 31, 1980.

Gentlemen:

Haddam Neck Plant
Millstone Nuclear Power Station, Unit Nos. 1 and 2
Emergency Core Cooling System Outage Report

Item 11.K.3.17 of Reference (1) required Connecticut Yankee Atomic Power Company (CYAPCO) and Northeast Nuclear Energy Company (NNECO) to submit a report detailing outages of all Emergency Core Cooling Systems for the Haddam Neck Plant and Millstone Unit Nos. 1 and 2 for the last five years of operation.

CYAPCO and NNECO provided outage data through 1979 in Reference (2) and informed the Staff that data for 1980 was being compiled and would be forwarded to the Staff as soon as it became available. Accordingly, Attachments 1, 2, and 3 for the Haddam Neck Plant, and Millstone Unit Nos. 1 and 2, respectively, are provided in fulfillment of this commitment. It should be noted that some ECC systems which were listed on the "Form A" forwarded in Reference (2) experienced no outages in 1980 and, therefore, are not listed on the "Form A" included in each attachment.

CYAPCO and NNECO have reviewed these reports and reiterate the conclusions detailed in Reference (2) that no system or Technical Specification modifications are required to enhance plant reliability, availability, or safety, and, as such,

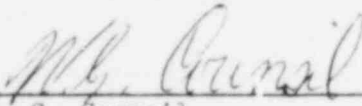
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no actions as a result of this review are planned. CYAPCO and NNECO will, however, use the compiled information in conjunction with future compilations to determine if future system or Technical Specification modifications are indeed necessary.

We trust you will find this information responsive to your request.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council
Senior Vice President

Docket No. 50-213

Attachment 1

Haddam Neck Plant

TMI Action Plan Item 11.K.3.17

Emergency Core Cooling System Outage Report

March, 1981

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Haddam Neck UNIT One SYSTEM Diesel PAGE 1 OF 1

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE/CORRECTIVE ACTION</u>
1/03/80	0.05	Diesel Start timers faulty. Replaced timers.
6/17/80	0.33	Jacking gear engaged during diesel test run. Deburred flywheel.
7/09/80	0.08	Diesel start relay inadvertently crushed by worker. Replaced relay.
9/05/80	0.05	Diesel start relay inlet air fitting leaking. Replaced fitting.

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Haddam Neck UNIT One SYSTEM CVCS PAGE 1 OF 1

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE /CORRECTIVE ACTION</u>
8/20/80	0.5	Charging flow control valve failed open. Replaced solenoid coil.

Docket No. 50-245

Attachment 2

Millstone Nuclear Power Station, Unit No. 1

TMI Action Plan Item 11.K.3.17

Emergency Core Cooling System Outage Report

March, 1981

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT 1 SYSTEM FWCI PAGE 1 OF 1

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE</u>
2/5/80	3.5	Valve operator failed on valve closure. Rewound motor/controller contact replacement.

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT 1 SYSTEM Isolation Condenser PAGE 1 OF 1

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE</u>
1/5/80	37.8	Piping Support Damage. Supports repaired/modified.
11/6/80	55.6	Numerous piping cracks in supply and return lines. Piping replaced with improved material.

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT 1 SYSTEM Core Spray PAGE 1 OF 1

OUTAGE DATE 2/20/80

DURATION OF OUTAGE (DAYS) 14.8

CAUSE

Administratively inoperable due to pipe hanger integrity. Hangers redesigned and reworked.

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT 1 SYSTEM Coolant Inj. Low Pressure PAGE 1 OF 1

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE</u>
6/13/80	10.3	Pipe support anchor bolt failure. Replaced anchor bolts.

FORM B

ECC SYSTEM OUTAGE REPORT

Emergency

PLANT

Millstone

UNIT

1

SYSTEM

Service Water

PAGE

1

OF

1

OUTAGE
DATE

4/9/80

DURATION OF
OUTAGE (DAYS)

.2

CAUSE

Ht. Fxchgr. Dischg. Valve failed to open. Valve operator/controller calibration.

Docket No. 50-336

Attachment 3

Millstone Nuclear Power Station, Unit No. 2

TMI Action Plan Item 11.K.3.17

Emergency Core Cooling System Outage Report

March, 1981

FORM A

ECC SYSTEM OUTAGE REPORT

UTILITY Northeast Nuclear Energy Co.

PLANT Millstone

UNIT II

DATE OF COMMERCIAL OPERATION 12/26/75

REPORT COVERS PERIOD 1/80 THROUGH 12/80

NUMBER OF DAYS OF COLD SHUTDOWN DURING REPORT PERIOD 96.6

FORMS B COMPLETED FOR FOLLOWING SYSTEMS:

- Safety Injection
- Engineered Safety Features
- Diesel Generator

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT II SYSTEM Safety Injection PAGE 1 OF 3

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE/CORRECTIVE ACTION</u>
1/31/80	.47	Valve SI-654 leaking. Valve repacked.

FORM B

ECC SYSTEM OUTAGE REPORT

PLANT Millstone UNIT II SYSTEM Power Diesel Standby
PAGE 2 OF 3

<u>OUTAGE DATE</u>	<u>DURATION OF OUTAGE (DAYS)</u>	<u>CAUSE/CORRECTIVE ACTION</u>
2/5/80	1.07	"B" diesel tripped on high crankcase pressure due to installed lube oil cooler vent inadvertently vented oil from cooler. Removed vent line on oil cooler and refilled lube oil.
2/26/80	.41	"A" diesel breaker, A312, did not close due to dirty contact in the synchronizing check relay. Cleaned contact.
3/5/80	.38	"A" diesel breaker, A312, did not close due to loose coupling on synchronizing switch, 25-CS. Tightened set screw on switch.
5/6/80	.5	"B" diesel breaker, A401, closing latch failed to latch due to a untightened bolt in latch mechanism. Tightened bolt.
7/8/80	.01	"B" diesel was removed from service inadvertently by an operator. Diesel was subsequently restarted and operator informed of the error.
8/12/80	.33	Frayed insulation on a wire in the hendix connector, which connects the speed sensor to the governor of "A" diesel. Cut back on wire, stripped and applied heat shrink. Reconnected wire.

FORM B

ECC SYSTEM OUTAGE REPORT

Engineering
Safeguards

PAGE 3 OF 3

PLANT Millstone

UNIT II

SYSTEM

OUTAGE
DATE

DURATION OF
OUTAGE (DAYS)

CAUSE/CORRECTIVE ACTION

5/29/80

.22

Containment air recirculating fans 'A' & 'C' would not run in slow due to faulty ESAS slow speed actuation relay, K515A. Replaced K515A relay.