



CONNECTICUT YANKEE ATOMIC POWER COMPANY

BERLIN, CONNECTICUT

P. O. BOX 270 HARTFORD, CONNECTICUT 06101

TELEPHONE
203-666-6911

March 11, 1983

Docket No. 50-213
B10722

Director of Nuclear Reactor Regulation
Attn: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

- References: (1) W. G. Council letter to D. M. Crutchfield, dated January 21, 1983.
- (2) D. M. Crutchfield letter to W. G. Council, dated December 13, 1982.

Gentlemen:

Haddam Neck Plant
Environmental Qualification of Electrical Equipment

Reference (1) transmitted our response to the NRC Safety Evaluation Report for Environmental Qualification of Safety-Related Equipment for the Haddam Neck Plant. The purpose of this letter is to clarify the intended completion date of one component which was incorrectly reported in Reference (1).

Containment Isolation Valve MOV-200, as shown on SCEW sheet A-5-9, was inadvertently reported to be scheduled for replacement as per Generic Replacement Schedule 1. We are taking this opportunity to correct the subject transmittal by referencing Generic Replacement Schedule 2 for MOV-200. To summarize, the replacement schedule for this piece of equipment is presently planned to be accomplished no later than the first refueling outage following the receipt of fully qualified components, and in accordance with the Final Rule on Environmental Qualification, 10 CFR 50.49.

It should be noted that the replacement of the remainder of the equipment identified in Reference (1) has been accomplished during the 1983 refueling outage as planned.

ADAS

We are providing this information to keep the Staff informed of our progress towards completion of all environmental qualification upgrades; no response is requested or required.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

W. G. Council

W. G. Council
Senior Vice President

C. Frederick Sears

By: C. F. Sears
Vice President
Nuclear and Environmental Engineering

Facility: CONNECTICUT YANKEE
 Unit: Haddam Neck Plant
 Docket: 50-213

SYSTEM COMPONENT EVALUATION WORK SHEET

Page A-5-9
 Rev. A
 Date 8/31/81

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF ^o		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
SAFE SHUTDOWN System: Letdown Plant ID No.: MOV200	Operating Time	Within 30 sec. Automatic		Ref. 1 2(10.3), 4			
Component: Motor Operator Valve	Temperature (°F)	267		Ref. 35 & Addendum 1			See attached Summary Sheet
Manufacture: Crane Teledyne	Pressure (PSIA)	40 PSIG		Ref. 36			See attached Summary Sheet
Model Number: T-4-10	Relative Humidity(%)	100		Ref. 2 Sec. 3.1			See attached Summary Sheet
Function: Operator for MOV200	Chemical Spray	2640 ppm Boron		Ref. 2 Sec 3.6.4			See attached Summary Sheet
Accuracy: NA	Radiation	9.4 X 10 ⁶ Rads		Ref. 34			See attached Summary Sheet
Service: Containment Isolation of Letdown Lin	Aging	40 yrs.		Plant Design Life			See attached Summary Sheet
Flood Level Elev: 4' 2" Above Flood Level: Yes X No	Submergence						

Documentation References:

Notes:

See "List Of References" behind this section of worksheets.

SCEWS No. A-5-9
1982 TER No. 4
Date: 3/11/83

EQUIPMENT ENVIRONMENTAL QUALIFICATION
SER/TER REVIEW

Connecticut Yankee

Docket No. 50-213

I) Summary of new information on SCEW sheet.

None

II) SER concerns: I.B Equipment Qual. Pending Modification, Pgs. 3-8 & 4-3 of TER.

Response:

This equipment will be replaced with a fully qualified device.

III) TER concerns: Same as II above.

Response:

Same as II above.

IV) Proposed corrective action and schedule.

Refer to corresponding equipment summary sheet.

The Generic Replacement Schedule indicated was incorrect and changed to indicate the proper information.

V) Justification for continued operation.

- Reaffirmed
- Revised
- New

EQUIPMENT ENVIRONMENTAL QUALIFICATION
SER/TER REVIEW

CONNECTICUT YANKEE ATOMIC POWER COMPANY
HADDAM NECK PLANT
DOCKET NO. 50-213

- I) Summary of new information on SCEW sheet.
New containment environmental temperature peak of 267°F.

- II) Response to SER concerns. (QM,A)
This equipment will be replaced with a fully qualified device.

- III) Response to TER concerns.
Same as II.

- IV) Proposed corrective action and schedule.
Refer to corresponding equipment summary sheet.

- V) Justification for continued operation.
Refer to corresponding equipment summary sheet.

EQUIPMENT ENVIRONMENTAL QUALIFICATION

DISCREPANT EQUIPMENT SUMMARY

CONNECTICUT YANKEE

EQUIPMENT:

Containment Isolation Valve-Letdown
MOV 200 (Motor Operator)

MANUFACTURER:

Crane Teledyne

QUALIFICATION DISCREPANCY:

Lack of documented qualification test data.

**SAFETY FUNCTION AND JUSTIFICATION
FOR CONTINUED OPERATION:**

MOV 200 is an isolation valve for the reactor coolant letdown system and it is also part of the containment isolation scheme. It is highly probable that this valve would perform its intended function since it receives its signal to close within 10 seconds after an accident condition has been established.

In the unlikely event of a failure, there are three AOV's (202, 203, 204) which will be actuated to perform the intended isolation function of MOV 200.

Due to the desirability of long term operability of this equipment and in conformance with existing license requirements, it will be replaced with fully qualified devices. Refer to Generic Replacement Schedule 2.