

INSERVICE INSPECTION OF TMI-1CLASS 3 COMPONENT PRESSURE BOUNDARYI. Scope and Objectives

This attachment describes the inservice inspection program for Class 3 pressure boundary components of TMI-1. The objective of the inservice inspection program is to provide assurance of the continuing integrity of the Class 3 system while at the same time minimizing radiation exposure to personnel and plant downtime in the performance of the inspections.

II. Identification of Class 3 Boundaries

The Class 3 boundaries were established in accordance with the NRC Standard Review Plan Section 3.2.2 (11/24/75), ANSI N18.2A (1975) and Regulatory Guide 1.26 Revision 3 Quality Group C. The Class 3 systems and boundaries are shown in ISI drawings C300-001 through C300-005 and C300-008 through C300-023.

III. Applicable Code Edition and Addenda

In accordance with 10 CFR 50 paragraph 50.55a (b), the applicable Code Edition and Addenda are the 1974 Edition with Addenda through Summer 1975.

IV. Period of Applicability

In accordance with 10 CFR 50, paragraph 50.55a (g) (4) (ii) this program is applicable from January 1978 to May 1981. However, the program is written in terms of the Code required ten year inspection interval which started September 1974.

V. Inspection Program

Inservice inspections will be carried out in accordance with Section XI, 1974 Edition with Addenda through Summer 1975, and the specific inspections will be performed in accordance with Table C-1 attached.

Any repairs found to be necessary as a result of inservice inspections will be performed in accordance with Section XI, 1974 Edition with Addenda through Summer 1975.

VI. Exceptions

Specific exceptions to the ASME Section XI requirements are identified in the attached Table C-2 along with the basis for each exception requested.

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THREE MILE ISLAND -- UNIT NO. 1

INSERVICE INSPECTION PROGRAM - CLASS 3 COMPONENT PRESSURE BOUNDARIES

TABLE C-1

Areas To Be Examined	Inspection Method	Inspection Schedule And Extent	Remarks
All Class 3 systems as indicated on ISI Dwg. C300-001 thru C300-005 and C300-008 thru C300-023	Visual per IWA 5000, IWD 5000 (except buried piping) and IWD 2600 at 1.1 times design pressure	100% inspection every 10 year inspection interval	Testing of buried piping per IWD 2600 (b) will not be performed. See exception request Table A-2
All Class 3 systems as indicated on ISI Dwg. C300-001 thru C300-005 and C-300-008 thru C300-023	Visual per IWA 5240 and IWD 2600 (except buried piping) while at normal operating pressure	100% inspection every 40 month inspection interval	Testing of buried piping per IWD 2600 (b) will not be performed. See exception request Table A-2

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THREE MILE ISLAND - UNIT NO. 1

INSERVICE INSPECTION PROGRAM - CLASS 3 EXCEPTIONS

TABLE C-2

COMPONENT	ASME III CODE CLASS	ASME XI EXCEPTION REQUESTED	JUSTIFICATION	TESTING PERFORMED IN LIEU OF CODE REQUIREMENT
Nuclear Service River Water-underground piping between valves NR-V3 and NR-V48 and NR-V5 shown on drawing C300-002	Non Nuclear	IWD 2410 (b)	These sections of piping are underground and therefore can- not be visually inspected. They also cannot be isolated with tight closing valves as required by IWD 2600 (b). Therefore, during a pres- sure test, leakage through installed valves would invalidate the results of the test.	None
Decay Heat River Water- underground piping be- tween valves DH-V1A (B) and DH-V2A (B) and DH-V14A (B) shown on drawing C300-002	Non Nuclear			
Reactor Building Emergency Cooling-underground piping between valves RR-V1A (B) and RR-V3A (B) (C) and NS-V8 and NS-V85 shown on drawings C300-002 and C-300-010	Non Nuclear			

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