

IMPORTANT TO SAFETY**NUCLEAR SAFETY RELATED**

TECHNICAL SPECIFICATION FOR

OTSG WESTINGHOUSE ROLLED PLUGPULL TESTINGTHREE MILE ISLAND UNIT 1

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WESTINGHOUSE PLUG TESTING

1. SCOPE

This specification governs the testing of previously installed Westinghouse rolled plugs in both once-through steam generators (OTSG) at Three Mile Island Unit 1. This testing is to demonstrate the adequacy of plug retention under accident conditions and supplements the pre-installation qualification testing done by Westinghouse.

2.0 CODES AND STANDARDS

- 2.1 AP-1020, Latest Revision "Cleanliness Requirements"
- 2.2 AP-1030, Latest Revision "Control of Access to Primary System Openings"
- 2.3 SP-1101-12-039 Rev. 6 "Acceptance Criteria for OTSG Repair Tools and Materials"
- 2.4 Westinghouse Field Service Proc., SAE-SGSE-FP-68(84)
- 2.5 GPUNC Operational Quality Assurance Plan

3.0 GENERAL REQUIREMENTS

- 3.1 The primary side of both OTSGs shall be drained and the upper and lower manway covers removed to provide access as required during testing.
- 3.2 The secondary side of both OTSGs shall be maintained in full wet layup for the duration of testing.
- 3.3 All testing operations shall proceed within the restraints imposed by Reference 2.2.
- 3.4 Cleanliness during and after testing shall be maintained per the requirements of ~~Class B as set forth in Reference 2.1 to the maximum extent possible.~~ *GCE 8/11/84* **2.3**
- 3.5 Westinghouse testing equipment shall be received, inspected, and accepted for use under the requirements of Reference 2.3.
- 3.6 Copies of all applicable procedures are to be available, of current date and revision, and verified as conforming to applicable specifications prior to operations.

3.7 All ALARA and RWP requirements shall be met.

3.8 All instruments and gauges used in the testing shall be calibrated and have calibration documentation traceable to NBS Standards.

4.0 DETAIL REQUIREMENTS

4.1 Testing Sequence and Acceptance Criteria

4.1.1 Test all plugs in the "B" OTSG lower tubesheet. If zero failures occur, proceed to 4.1.2. If one or more failures occur, proceed to test all plugs in both OTSG's in a sequence selected by Plant Engineering.

4.1.2 Test all plugs in "B" OTSG upper tubesheet. If zero failures occur, testing is complete. If one or more failures occur, test all plugs in both OTSG's in a sequence selected by Plant Engineering.

4.2 Testing shall be performed in accordance with the requirements of Reference 2.4.

4.3 Disposition of Plugs After Testing

4.3.1 Plugs which fail the test shall be marked for removal and replacement or other disposition to be decided upon by Tech. Functions and Plant Engineering.

4.3.2 Plugs which pass the test shall remain in place and shall be marked or otherwise identified to confirm they have been tested..

5.0 QUALITY ASSURANCE

5.1 The testing governed by this specification is classified Nuclear Safety Related and Important to Safety and the requirements of the CPUN Quality Assurance Plan shall apply.

5.2 CPUNC Quality Assurance shall verify that the requirements of this specification have been complied with and that all deviations and discrepancies are recorded on an MNCR or QDR as appropriate.

5.3 All test results and records shall be documented and approved by Plant Engineering and verified by Quality Assurance.