

WATTS BAR NUCLEAR PLANT

TECHNICAL INSTRUCTION

TI-50B

ASME SECTION XI PRESERVICE
INSPECTION PROGRAM

UNIT 2

CURRENT REVISION LEVEL 4

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PORC Review Date 3-22-83

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Date Approved 3-22-83

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1U NRC
1C Nuclear Safety Review Staff
1C Plant Master File
Plant Superintendent
Asst. Plant Supt. (Operations)
Asst. Plant Supt. (Maintenance)
Adm. Svs. Supervisor
Asst. Mechanical Maint. Sup.
Chemical Laboratory
Chemical Unit Supervisor
1C Chief, Nuclear Training Branch
Compliance Unit
DPSO-WBN
Document Control Supervisor
Electrical Maint. Supervisor
Electrical Shop
1C Engineering Supervisor
1C Field Services Supervisor
1C Health Physicist
Health Physics Laboratory
1C Instrument Engineer
1C Instrument Maint. Supervisor
1C Instrument Shop
Janitor & Labor Supervisor
Management Svs. Supervisor
1C Mechanical Maint. Supervisor
1C Mechanical Unit Supervisor
1C Operations Supervisor
OPQA - Plant Coordinator
Plant Services Supervisor
Plant Training Officer
1U Plant Training Shift Engineer
1C Power Stores Unit Supervisor
Preop Test Supervisor
Public Safety
QA Manager, QA and Audit Staff
1C Quality Assurance Supervisor
Reactor Unit Supervisor
Safety Engineer
1C Shift Engineer's Office
Stationary Equipment Group
Technical Support Center
1C Unit 1 Control Room
1C Unit 2 Control Room
1U Supv. Reactor Systems Group-C
1C Baseline Inservice Inspection Group-C
1C Programs and Procedures Section-C

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1.0 STATEMENT OF APPLICABILITY

This Technical Instruction supersedes Surveillance Instruction 4.4.10.1.

This program outlines details for performing the preservice nondestructive examinations of the Watts Bar Nuclear Plant ASME Code Class 1, 2, and 3 components (and their supports). The program has been organized to fulfill examination requirements of the Watts Bar Operational Quality Assurance Manual, Part II, Section 5.1 and comply as practical with the requirements of Section XI of the ASME Boiler and Pressure Vessel Code.

The requirements of ASME Section XI are in effect when the requirements of ASME Section III have been satisfied. Criteria for determining that ASME Section III requirements have been satisfied are as follows:

When ASME Section III Requirements Item are Satisfied	
Pressure Vessels and Pumps	When "N" stamped
Valves	When "N" stamped
Piping System	When the hydrostatic pressure test is complete and the N-5 data form is completed

Specifics concerning performance of nondestructive examinations are not a part of this program, but are included in nondestructive examination procedures (DPM N80E3 and AI-9.7).

2.0 PURPOSE

The Preservice Inspection Program (hereinafter PSI) is preliminary in nature and is employed to obtain detailed information for inclusion in the Inservice Inspection Program. The examinations required by this program will establish acceptance of components for service.

The PSI Program serves as a means of determining built-in limitations caused by original plant design, geometry, materials of construction of the components, and the current technology or state-of-art of nondestructive testing. The PSI Program will also permit verification of the examination methods selected, finalization of detailed procedures, and will establish preservice examination data to be used as a reference for later inservice examinations.

3.0 CODES OF RECORD AND CODE CASES

This program was prepared to meet the requirements of the 1974 Edition, Summer 1975 Addenda of Section XI of the ASME Boiler and Pressure Vessel Code. Criteria for determining Class 2 pressure-retaining bolting subject to examination is in accordance with the 1977 Edition, Summer 1978 Addenda of Section XI. The repair and replacement program is in

HISTORY OF REVISION/REVIEW

<u>REV. NO.</u>	<u>DATE</u>	<u>REVISED PAGES</u>	<u>REASON FOR CURRENT REVISION (INCLUDE ALL TEMPORARY CHANGE NUMBERS)</u>
3	11/03/82	51, add 79A-79P	Add weld location drawings to Appendix A
4	3-22-83	Page 1	Change WB7.3.8 to AI-9.7