

INSERVICE TESTING (IST) OF NUCLEAR POWER PLANT SYSTEMS AND COMPONENTS

CONTACT INFORMATION

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CLASSROOM INSTRUCTORS

The instructors are previous utility IST Program Owners and have more than 40 years of experience in this area.



INTENDED AUDIENCE

True North Consulting provides IST Program Owner training for both the new Program Owner and requalification for existing qualified Program Owners.



TYPE

True North Consulting offers this as classroom training.



DURATION

4.5 Days

ABSTRACT

The course is comprehensive with respect to Inservice Testing and addresses requirements of the U. S. Nuclear Regulatory Commission and ASME Operations and Maintenance (O&M) Standards for the inservice testing of nuclear power plant systems and components. Specific emphasis will be placed on the ASME Code boundary classification process, owner's responsibilities, test and examination plans, and detailed requirements for inservice testing of pumps and valves. Several examples will be used to illustrate the correct application of the technical requirements. In addition, training will provide overview/discussion/recommendations regarding potential impacts of conditions imposed by Federal Regulation changes pending and in the future. This training and the instructors can provide IST training for Level 1, 2, and 3 Engineers.

TERMINAL LEARNING OBJECTIVES

The key learning objectives will cover the following technical areas:

1. United States Regulatory Requirements
2. IST Historical Perspective
3. Federal Law
4. ASME Codes
5. O&M Codes
6. Inservice Testing Overview
7. IST Program Plan
8. IST Basis Document
9. Post Maintenance/Modification Testing Requirements
10. Implementation/Regulation of IST
11. IST and Plant Technical Specification
12. Description (Scope & Purpose)
13. NRC Guidance

14. Examples of recent Industry violations
15. IST Interface with other Plant Programs:
 - MOV/AOV/SOV
 - ISI, Repair/Replacement
 - Appendix J, Program
16. Future IST Perspective:
 - Performance Based Testing
 - Risk Informed IST
 - Code Changes

KEY INDUSTRY DOCUMENTS

1. Operating Experience (GLs, Ins, RIS)
2. 10 CFR 50.55a Requirements
3. NRC Inspection Manual IP326
4. Regulatory Guide 1.26
5. NUREG-0800, Section 3.2.2
6. NUREG 1482
7. Regulatory Guide 1.147
8. Regulatory Guide 1.192
9. Regulatory Guide 1.193