MOTOR OPERATED VALVE PROGRAM TRAINING – TRANSITION TO OMN-1/APPENDIX III

CONTACT INFORMATION

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CLASSROOM INSTRUCTORS

The instructors are previous utility Motor Operated Valve (MOV) Program Owners and have more than 40 years of experience in this area.

INTENDED AUDIENCE

True North Consulting provides Motor Operated Valve Program – Transition OMN-1/Appendix III training for both the new MOV Program Owner and/or requalification for existing qualified Program Owners. This two-day course addresses transition to ASME Code Case OMN-1/ Appendix III. It consists of an MOV operational review, discussion of generic letters (GLs) 89-10 and 96-05, and regulatory guide (RG) 1.192 relative to OMN-1/Appendix III and the associated Code requirements. Several examples will be used to illustrate the correct application of the OMN-1/Appendix III transition requirements.

TYPE

True North Consulting offers this as classroom training.

DURATION

2 Days

ABSTRACT

Course content & approach are structured for MOV/IST Program Owners focusing on the following key areas:

- MOV Regulatory Requirements
- GL 89-10/GL 96-05 Background Overview
- IST/MOV Requirements through the 2004 Edition and 2006 ASME OM Code Addenda
- Relief Request Overview
- Benefits/Comparison of MOV Programs
- Rules for OMN-1/Appendix III Transition (OM Code 2012 Edition).
- Application of Risk
- Continuing MOV Concerns (vibration, magnesium rotors, MC2 Testing, etc.)
- Current issues and interfaces with emphasis on industry/Code initiatives and solutions.
- In-situ MOV failures identified by NRC Bulletin 85-03

TERMINAL LEARNING OBJECTIVES

The key learning objectives will cover the following technical areas:

1. Understanding of MOV design basis
2. Understanding of MOV operation and controls
3. Understanding of MOV diagnostic testing methods
4. Understanding of MOV diagnostic test analysis methods
5. Understanding of typical MOV degradation mechanisms
6. Understanding of in-situ MOV failures identified by NRC Bulletin 85-03
7. Understanding of MOV design errors identified by Generic Letter (GL) 89-10
8. Understanding of GL 89-10 scope and requirements
9. Understanding of GL 89-10 industry findings
10. Understanding of GL 96-05 scope and requirements
11. Understanding of Joint Owners Group (JOG) program and impact on GL 96-05
12. Understanding of ASME OM Code Case OMN-1
13. Understanding of ASME OM Code Mandatory Appendix III
14. Understanding of NRC proposed rulemaking applicable to Appendix III
15. Understanding of Mandatory Appendix III implementation requirements

KEY INDUSTRY DOCUMENTS

1. NRC Bulletin 85-03, Motor-Operated Valve Common Mode Failures During Plant Transients Due to Improper Switch Settings
2. NRC Generic Letter 89-10, Safety-Related Motor-Operated Valve Testing and Surveillance
3. NRC Generic Letter 96-05, Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves
4. ASME Code Case OMN-1, Alternative Rules for Preservice and Inservice Testing of Active Electric Motor-Operated Valve Assemblies in Light-Water Reactor Power Plants, Rev 0/1
5. NUREG 1482, Revision 2, Guidelines for Inservice Testing at Nuclear Power Plants: Inservice Testing of Pumps and Valves and Inservice Examination and Testing of Dynamic Restraints (Snubbers) at Nuclear Power Plants – Final Report
6. Regulatory Guide 1.192, Operation and Maintenance Code Case Acceptability, ASME OM Code
7. Regulatory Issue Summary 2011-13, Follow Up to Generic Letter 96-05 for Evaluation of Class D Valves Under Joint Owners Group Motor-Operated Valve Periodic Verification Program
8. ASME OM Code 2004 Edition, 2006 Addenda, Section ISTC, Inservice Testing of Valves in Light-water Reactor Nuclear Power Plants
9. ASME OM Code 2012, Section ISTC, Inservice Testing of Valves in Light-water Reactor Nuclear Power Plants
10. ASME OM Code 2012, Mandatory Appendix III, Preservice and Inservice Testing of Active Electric Motor Operated Valve Assemblies in Light-Water Reactor Power Plants