

# Inservice Inspection Programs Training

10CFR50.55a and 50.69 Engineering Programs, ASME Code, BPV Section XI, and Augmented Inspection Programs

**January 25-29, 2021**

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**Course is currently planned to accommodate both "in-person" and "virtual" attendance, depending on actual student registrations. The format will be flexible to accommodate any travel restrictions. Please specify desired option on the Registration Form.**

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## OVERVIEW

The Inservice Inspection (ISI) Programs Training course focuses on regulatory and code driven Inservice Inspection related programs covering both introductory bases and detailed requirements and is intended for Engineering Programs personnel that are responsible for managing, developing, implementing, and maintaining Inservice Inspection, Risk-Informed Inservice Inspection, Containment Inspection, System Pressure Testing, Repair/Replacement, and other related Augmented Inspection Programs.

## COURSE CONTENT

Managing a power plant's various Engineering Programs requires an in-depth understanding of the Regulatory and Code requirements, of the typical parts that comprise an efficient/compliant Program, and of the types of tools needed to optimize implementation and controls of the Program. This course is designed to provide an initial overview of Inservice Inspection (ISI) Programs and the governing Regulations and ASME Code, BPV Section XI, as well as typical related augmented and owner inspection programs. Detailed requirements for Inservice Inspection, Risk-Informed ISI, Containment Inspection, System Pressure Testing, and Repair/Replacement programs will be covered. Regulatory requirements and guidance documents will be discussed, key components of a thorough program will be reviewed, and comprehensive practical applications and examples will be presented in an interactive manner.

### Specific topics covered in this training include the following:

- Background, history, and overview of the Inservice Inspection related Programs
- Federal Regulations and the use of Section XI Code, Code Cases, and Interpretations
- Regulatory Requirements including Conditions, Prohibitions, and Limitations
- Seeking Relief from 10CFR50.55a and Section XI Code Requirements
- Risk-Informed Inservice Inspection Program Options, Applications, and Optimization
- Introduction to 10CFR50.69 Alternate Treatment Options and Implementation
- Licensing Bases and Augmented Inspection Programs
- Classification of Components for Application of Section XI Requirements
- ISI Program Development Process and 10-Year Interval Implementation, Closeout, and Updates
- Program Plans and Schedules, Program Support Documents, and Program Tools
- Program Controls, Ownership, and Maintenance
- Interface with other Engineering Programs (e.g., OM Code, App. J Leak Rate Testing, Buried Piping)

### SCHEDULE AT A GLANCE

The curriculum has been designed to meet common student needs - regardless of experience level. Daily modules are organized to be topic area specific for various program owner duties.

#### January 25-29, 2021

Mon, Jan 25	8:00am – 4:00pm (MST)	<b>Module 1:</b> Introduction to Inservice Inspection of Nuclear Power Plant Components
Tue, Jan 26	8:00am – 4:00pm (MST)	<b>Module 2:</b> Inservice Inspection (ISI) of Class 1, 2, and 3 Components, and Risk-Informed Inservice Inspection (RI-ISI) Applications
Wed, Jan 27	8:00am – 4:00pm (MST)	<b>Module 3:</b> Repair/Replacement Activities for Code Classed Nuclear Power Plant Components
Thu, Jan 28	8:00am – 4:00pm (MST)	<b>Module 4:</b> Containment Inservice Inspection (CISI) of Class MC Metal and CC Concrete Containment Components
Fri, Jan 29	8:00am – 12:00pm (MST)	<b>Module 5:</b> System Pressure Testing (SPT) of Class 1, 2, and 3 Pressure Retaining Components and Buried Piping

### CONTINUING EDUCATION UNITS (CEU)

Each attendee will receive a Certificate of Completion for 3.6 Continuing Education Units (CEU) credits to qualify for 36 Professional Development Hours (PDH) needed to fulfill Professional Engineers continuing education requirements. The credits will be awarded without authorization. It is the attendee’s responsibility to keep and present the certificate to any organization that requires such.

#### FEE: \$2,695 (All Training Modules)

Attendees can also elect to sign up on an ala carte basis for an individual training module(s) fees are as follows:

Module 1:	\$900	Module 4:	\$700
Module 2:	\$700	Module 5:	\$500
Module 3:	\$700		

\* Should participants register for in-person training in Montrose, lunches and beverage service will be provided.

### IMPORTANT INFORMATION

- Attendees should have an electronic and/or hardcopy of the 2017 Edition of the ASME Boiler & Pressure Vessel Code, Section XI, Division 1.
- Training material will be available for download prior to the course. If a hard copy version of the material is desired, please specify on the registration form.

### TRAINING LOCATION

To be confirmed based on student registrations. (Montrose, CO and/or Virtual)

## ACCOMMODATIONS

Holiday Inn Express Montrose  
1391 South Townsend Ave  
Montrose, CO 81401  
970-240-1800

Specify you are with True North for the \$99 rate.

## INSTRUCTORS

**Dan Lamond** – Sr. Manager, Specialty Engineering  
[dlamond@tnorthconsulting.com](mailto:dlamond@tnorthconsulting.com) | 630.728.4615

Mr. Lamond has more than 30 years experience in the nuclear power industry and has extensive experience in the development, management, and implementation of various regulatory, industry, owner, and ASME Engineering Programs, including application of licensing and regulatory requirements, Risk-Informed and Risk-Based initiatives, Inservice Inspection and Testing, and aging management programs. Mr. Lamond serves as the Vice Chair of the ASME Standards Committee on Nuclear Inservice Inspection (Section XI), as the Chair of the Task Group Buried Components, as the Chair of the Technical Interpretation Committee, and is an active member of a number of subordinate committees reporting to Section XI such as the Working Group RI-ISI Activities and the Working Group Pressure Testing.

**Mark Ferlisi, PE** – Sr. Consultant, Specialty Engineering Programs  
[mferlisi@tnorthconsulting.com](mailto:mferlisi@tnorthconsulting.com) | 704.650.3229

Mr. Ferlisi has worked in the nuclear power industry for more than 38 years, with more than 25 years experience in the development, management, and implementation of ASME Section XI Inservice Inspection and Repair/Replacement Programs for Duke Energy Corporation. Mr. Ferlisi is an active member of the ASME Standards Committee on Nuclear Inservice Inspection (Section XI) where he serves as the Chair of the Section XI Subgroup on Water-Cooled Systems, the Chair of the Section XI Working Group on Containment, and is an active member of the Section XI Working Group on Inspection of Systems and Components. Mr. Ferlisi is also a member of the ASME Board on Nuclear Codes and Standards (BNCS), where he serves as the Chair of the BNCS Task Group on Regulatory Endorsement.

**Gene Navratil** – Sr. Consultant, Specialty Engineering Programs  
[gnavratil@tnorthconsulting.com](mailto:gnavratil@tnorthconsulting.com) | 717.808.1061

Mr. Navratil has worked in the nuclear power industry for more than 40 years, with extensive experience in the development, management, and implementation of ASME Section XI Inservice Inspection and Repair/Replacement Programs. He was a plant ISI, R/R, CISI, and SPT Program Owner Engineer for several years, before transitioning to the Exelon fleet Engineering Inspection Programs lead. Post his utility career, Mr. Navratil has now been functioning as an industry consultant for the past several years. Mr. Navratil has strong experience in NDE and materials-based programs. Rounding out his industry involvement, Mr. Navratil has been an active member of the ASME Standards Committee on Nuclear Inservice Inspection (Section XI), having served as the Chair of the Section XI Subgroup on Water-Cooled Systems and as an active member of subordinate committees reporting to Section XI such as the Task Group on Risk Informed Categorization and Treatment and the Working Group on Inspection of Systems and Components.

## QUESTIONS

Contact Pam Gilroy  
[pamela.gilroy@gses.com](mailto:pamela.gilroy@gses.com)  
970.252.1489

## REGISTRATION FORM

**Inservice Inspection Programs Training  
January 25-29, 2021**  
DEADLINE – December 18, 2020  
(please call for registration after this date)

**E-mail:** [pamela.gilroy@gses.com](mailto:pamela.gilroy@gses.com)  
**Mail to:** Pam Gilroy, GSE TrueNorth  
150 Merchant Drive | Montrose, CO 81401  
**Or Register Online at:** [ONLINE](https://www.gses.com/training-registration/)  
<https://www.gses.com/training-registration/>

Name:			
Job Title:			
Company:			
Plant:			
Mailing Address:			
Phone:		Email:	
Materials/Attendance	Materials: <input type="checkbox"/> Request printed copy	Attendance: <input type="checkbox"/> In Person	<input type="checkbox"/> Online
Course Registration			
<input type="checkbox"/> <b>Training Modules 1 thru 5 (\$2,695)</b>			
<i>Or, Select Individual Modules Below</i>			
<input type="checkbox"/> <b>Module 1:</b> Introduction to Inservice Inspection of Nuclear Power Plant Components <b>(\$900)</b>			
<input type="checkbox"/> <b>Module 2:</b> ISI of Class 1, 2, 3 Components, and RI-ISI Applications <b>(\$700)</b>			
<input type="checkbox"/> <b>Module 3:</b> Repair/Replacement Activities for Code Classed Nuclear Power Plant Components <b>(\$700)</b>			
<input type="checkbox"/> <b>Module 4:</b> CISI of Class MC Metal and CC Concrete Containment Components <b>(\$700)</b>			
<input type="checkbox"/> <b>Module 5:</b> SPT of Class 1, 2, 3 Pressure Retaining Components and Buried Piping <b>(\$500)</b>			
<b>Payment Information</b>			
Check one form of payment:	<input type="checkbox"/> CREDIT CARD <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express		<input type="checkbox"/> CHECK # _____ <input type="checkbox"/> Other
Card #			Exp. Date:
Cardholder Name:			
Credit Card Billing Address:			
Signature:			
Cardholder's Email Address/Phone Number:			
<ul style="list-style-type: none"> <li>• Remittance of payment is due one week prior to the first day of training.</li> <li>• Receipt for payment will be emailed as confirmation.</li> <li>• If a company or third party will be compensating GSE TrueNorth for the registration fee via check or credit card, please include a contact name, number and email address of the person responsible.</li> <li>• <b>All information shall remain confidential.</b></li> </ul>			