



**National Board
Inservice
Inspector Training Program**

The National Board of Boiler and Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, Ohio 43229
614.888.8320



NB-380, Revision 5
Approved by Comm. on Quali-
fications for Inspection: 6/24/20

NATIONAL BOARD INSERVICE INSPECTOR TRAINING PROGRAM

1.0 Overview

1.1 Purpose

The purpose of the National Board Inservice Inspector Training Program is to provide an alternate method for individuals to qualify for a National Board Inservice Commission. The successful completion of the program will be accepted as satisfying the five (5) point minimum requirement for education and experience as defined in NB-263, RCI-1 Rules for Commissioned Inspectors.

An employer of prospective commissioned inspectors may use this training program as a guide to define the minimum requirements for on-the-job training. The employer's specific training may be more extensive in scope and duration than described in this document.

1.2 Scope

This program is open to any regular employee of a jurisdiction, an Authorized Inspection Agency (AIA) an Owner-User Inspection Organization (OUIO), a Federal Inspection Agency or a Non-member Enforcement Agency.

2.0 Program Requirements

2.1 On-the-Job Training

The employer shall provide the trainee with a minimum of 800 hours (20 weeks) of on-the-job training in the presence of a National Board Commissioned Inspector(s). The training/experience must be documented with each specific area verified by a National Board Commissioned Inspector. Refer to Paragraph 3 for a detailed description of the topics to be included.

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2.2 Technical Training

The individual must successfully complete the National Board Classroom Inservice Commission Course (IS).

Successful completion of each of the following National Board Online Training Courses:

- NBIC Part 1
- NBIC Part 2

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3.0 On-the-Job Training Outline

	<u>Topics</u>	<u>Minimum Hours</u>
*	3.1 <u>General Safety Practices</u> Confined space entry procedures Personnel protection: head, eyes, feet, face body Lighting, portable and low voltage Fall protection: Scaffolding, safety line, safety harness Drug and alcohol awareness CPR and First Aid	20
	General Safety Practices described shall be completed in the presence of a commissioned inspector or verified by issuance of a certificate of completion or similar document.	
*	3.2 <u>Codes and Regulations</u> Using jurisdictional law and regulations	50
	3.3 <u>Data Evaluation and Documentation</u> Recordkeeping, scheduling Report writing, general Documenting findings and deficiencies Completing inspection reports Maintaining inspector diaries Investigation methods Communication skills	30
*	3.4 <u>Installation, Inspection and Testing (Participate in a minimum of 300 boiler or pressure vessel inspections)</u>	700
	3.4.1 The trainee shall participate during installations, internal and external inspections and testing of various types of boilers, associated piping and appurtenances including safety controls (pressure relief devices, low water cutoff, level, pressure, temperature). Boiler types may include: Cast Iron Firetube Watertube Electric Fired Coiled Heaters Thermal Fluid Heaters Waste Heat Black Liquor Recovery	

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3.4.2 When appropriate, the trainee shall participate during internal and external inspections of various types of pressure vessels, associated piping and appurtenances. Pressure vessel types may include:

Deaerators

Compressed Air

Expansion Tanks

Liquid Ammonia

Storage Tanks

Autoclaves

Jacketed

Pressure Vessels for Human Occupancy (PVHO)

Transport Tanks

3.4.3 *Familiarization with Tools*

Mirrors

Hammers

Measuring tools/meters

Welding gauges

Gas meters

Total Hours 800