



# API 1169 PIPELINE CONSTRUCTION INSPECTOR

**\*NEW\* 5 DAY COURSE \*NEW\***



## TRAINING METHODOLOGY

Facilitator-led classroom training modules with study of API and ASME Codes Review of example problems and solutions. Solving practice problems and reviewing solutions. Pre-examination training to gain qualification under the API-ICP program as an Internationally recognized Pipeline Construction Inspector.

## COURSE DURATION

Course Duration: 5 Days

Eight (8) hours per day for Five (5) days of Classroom Training)

## TO REGISTER CALL NOW!

+61 8 9535 8176

## VISIT:

[www.worldwidetank.com.au](http://www.worldwidetank.com.au)

## EMAIL:

[admin@worldwidetank.com.au](mailto:admin@worldwidetank.com.au)

## WHO SHOULD ATTEND

No Course pre-requisites requirement. However, participants who wish to sit for the API 1169 exam should have experience as stated on Pages 3-4.

Pipeline Welding Engineers, Pipeline Welding Inspectors, Pipeline Welding Supervisors, Foremen, NDT Examiners and those seeking an understanding of pipeline QA/QC will find the course useful. Also those aspiring to be qualified to API 1169 (Pipeline Construction Inspector) and personnel working in the process, oil, gas and petrochemical industry, those who are involved in the design, procurement, engineering construction, operation, maintenance and inspection of pipeline construction, inspection and related facilities inspectors, engineers, maintenance and QA/QC personnel who work for owner-user companies, inspection companies, fabricators, offshore fabrication, and repair companies, and EPC's from petrochemical plants, refineries, power plant gas / oil pipeline companies, resources companies



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## COURSE DESCRIPTION

The main emphasis of this program is on improving and ensuring safety through the use of owner / user or third-party Pipeline Construction Inspectors specialised in Oil and Gas requirements in a manner that protects employees, the public, and the environment.

The course also provides the understanding of the requirements for fabrication, inspection and testing portions of ASME Codes for new construction and how they work with API Codes for construction, post construction inspection, repairs and alterations.

It provides the process, oil, gas, petrochemical and other process industries with the assurance that personnel trained and certified under this internationally recognized program have the required knowledge and experience for the job in the field.

Course participants aspiring to be certified by American Petroleum Institute will undergo a rigorous program to get them well versed with the various code books and standards, including API Standards that cover maintenance, inspection, rating, repair and alteration of related equipment.

## LEARNING OUTCOME

The course will provide participants with the knowledge necessary to:

- Successfully pass the applicable API certification exam

## EFFECTIVE USE OF MAJOR CODES:-

- American Petroleum Institute and ASME Boiler and Pressure Vessel Code ASME IX & V
- Use API's requirements during construction, inspection, repairs, and alterations ,of Pipelines (API 1169, 1104, 1110, API Specification Q1
- Review of Welding Procedures (WPS / PQR) and Welder Performance Qualifications (WPQ)
- Study confines of ASME B31.8 and B31.4.
- Study requirements of Code of Federal Regulations (USA) 29 CFR 1910, 1926, 40 CFR 112, 122, 49 CFR 192 195.
- Environmental Protection Agency (EPA) Requirements
- ANSI Z49.1 Safety in Welding Code.
- CGA Best Practices 11.0 Edition
- INGAA Construction Safety Guidelines
- CS-S-9 Pressure Testing (Hydro/Pneumatic ) Safety Guidelines
- ASO 9000:2005 QA Systems
- General Pipeline Design, Construction, Testing



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## BASIC ENTRY / QUALIFICATION REQUIREMENTS FOR API 1169 EXAMINATION :

### INSPECTION EXPERIENCE

Description of Experience Required	Minimum Years of Experience Required	Plus: Education
<b>PIPELINE INSPECTION</b> Experience acquired in areas such as Utility inspection, Pressure/Leak Testing, Welding Inspection, Coating Inspection	3 years	Any
<b>GENERAL OIL &amp; GAS INSPECTION</b> Experience acquired in areas such as: Equipment Inspection, NDT, In-service Inspection, Visual Inspection, Welding Inspection, Pressure/Leak Testing, Inspection of Aboveground Storage Tanks, Piping or Pressure Vessels, Manufacturing/Source Inspection	3 years	BS or 2-year AA degree in a technical discipline, engineering or technology
	4 years	High School, GED
	5 years	No Formal Education

### NON-INSPECTION PIPELINE EXPERIENCE

Description of Experience Required	Minimum Years of Experience Required	Plus: Education
Experience acquired in areas such as: Pipeline Construction, Pipeline Operation, Welding, Fitting, Coating, Operation of Heavy Equipment	4 years	BS or 2-year AA degree in a technical discipline, engineering or technology
	5 years	High School, GED
	7 years	No Formal Education



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## BASIC ENTRY / QUALIFICATION REQUIREMENTS FOR API 1169 EXAMINATION : Continued:

### GENERAL OIL & GAS INDUSTRY EXPERIENCE

Description of Experience Required	Minimum Years of Experience Required	Plus: Education	Plus: Certification
Experience acquired at any petrochemical facility, such as refinery or petrochemical plants.	4 years of General Oil & Gas experience <u>and</u> 1 year of Pipeline Specific experience	High School, GED or Higher	Any certification, <b>Level II or greater</b> , from any of the following: <ul style="list-style-type: none"> <li>• AWS/CWI</li> <li>• NACE</li> <li>• API</li> <li>• ASNT</li> </ul>
Experience may relate to: Operation, Construction and repair of petrochemical equipment.	7 years	High School, GED or Higher	Any certification, <b>Level II or greater</b> , from any of the following: <ul style="list-style-type: none"> <li>• AWS/CWI</li> <li>• NACE</li> <li>• API</li> <li>• ASNT</li> </ul>

### OTHER HEAVY INDUSTRY EXPERIENCE

Description of Experience Required	Minimum Years of Experience Required	Plus: Education	Plus: Certification
Experience acquired in industries or areas such as: Road Building, Civil Construction, Mining, Logging, Heavy Equipment Operating, Blasting	10 years	High School or GED	Any certification, <b>Level II or greater</b> , from any of the following: <ul style="list-style-type: none"> <li>• AWS/CWI</li> <li>• NACE</li> <li>• API</li> <li>• ASNT</li> </ul>
	10 years	BS or 2-year AA degree in a technical discipline, engineering or technology	N/A