



NACE INTERNAL CORROSION FOR PIPELINES – BASIC PRINCIPLES – (ICP)

The world's leading source of training and information on coating inspection organized by IMC engineering S.r.l.

The ICP – Basic Principles course introduces the fundamentals of implementing, monitoring, and maintaining an internal corrosion control program as part of an overall pipeline integrity management program. It is an introductory level course focusing on internal corrosion of liquid and natural gas pipelines used for transmissions, storage, and gathering systems.

Classroom instruction consists of lecture, group exercises, cases studies, and hands-on field testing using different instruments and techniques utilized to identify and monitor internal corrosion.

There are no prerequisites for this course but high school diploma, GED or equivalent, 4 years of internal corrosion work and basic corrosion course are recommended.

For more information please contact training@imc-quorum.com

Learning Objectives

- ✓ Identify the types of corrosion, influencing key environmental variables, and methods to control corrosion.
- ✓ Monitor corrosion through devices and tests, including analysis of gas, liquid and sludge/solid samples, coupons, and electrical probes
- ✓ Examine exposed surfaces and be able to determine the root cause of corrosion
- ✓ Perform integrity assessment methods including internal corrosion direct assessment, in-line inspection, and hydrostatic testing
- ✓ Proper selection of mitigation methods such as:
 - Chemical treatment by biocides and corrosion inhibitors
 - Facilities maintenance including use of pigs, clearing drips, and clearing valves
 - Internal coatings
 - Cathodic protection only for internal protection of tanks
 - Facility design considerations

LOCATION: PLACE TO BE DEFINED

DURATION: 5-Day Classroom Course - (the end time may change at the discretion of instructors)

- Sunday - Thursday: 08:00 to 17:00
- Friday (exam day): 08:00 to the end, unless otherwise noted

LANGUAGE: English