



شركة ميرك العربية السعودية
MEIRC Saudi Arabia

Pigging Foundations

Duration: 5 Days

Course Introduction:

This course will provide participants with the knowledge necessary to understand the operation of cleaning pipelines, how the process works, the maintenance required, and how to collect pipeline integrity data.

The course will be to develop in participants a working knowledge of how to clean a pipeline by inserting a cleaning device, commonly known as a pig, at one end of the pipeline and allowing pipeline pressure to carry it to the other end.

Objective:

Participants will gain an understanding of the cleaning process as the pig travels through the pipe and scrapes the inner walls of the pipe to remove any buildup of unwanted material.

Attendees will also learn about the different types of pigs available for the various process applications.

Smart pigs, which are highly sophisticated instruments that include electronics to collect various forms of data during their trip through the pipeline, will be discussed along with the associated hardware that must be maintained.

Who should Attend?

Operators II

Course Outline

Day 1

- What is pigging? What is pig?
- Gathering system of the pipe lines
- Pipe line tests & installations
- Pipe Line acceptance Testing
- Hydrostatic testing, Dewatering & Drying.
- Pipe line cleaning criteria

Day 2

- Pigging History.
- Different types of Pigs
- Pig selection.
- Pigging operation
- Pigging procedures.
- Course W/S

Day 3

- Launching & receiving Procedures.
- Pigging stations
- Pipe line design for pigging.
- Pipe work layout & connections

Day 4

- What Smart Pigging?
- Smart pigging operation
- Idea of gel pigging & Why Gel Pig?
- Gel Pigging mechanisms



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Day 5

- Pigging safety
- Stuck pigging procedures
- Hazards associated with pigging
- Post test