



PERFORMANCE | SAFETY | RELIABILITY

PSR INTERACTIVE



## OFFSITES 01 - OIL MOVEMENTS & STORAGE

This program is designed to give your production personnel the knowledge, skills and focus to maximize the performance, safety and reliability of your oil movements and storage facilities, covering in detail topics such as:

- design
- operation
- routine maintenance
- periodic overhaul and inspection
- operating problems
- emergencies

CONTENT	DESCRIPTION
Introduction	A brief introduction designed to prepare trainees for the modules that follow
Module 01 - Storage Tanks Part 1	<p>Tank Farm - tank pad, tank basin, bund walls, basin or berm drains, pipeline identification/good housekeeping/firebreaks, pumphouse, oil spill booms</p> <p>Fixed Roof Tanks - applications, sketch plates, free vents, breather vents, flame arrestors, explosion hatches, gas blanketing, nozzles, gauging hatches, sample points, swing lines, manways, stairways, mixers, water draws, jumbo connections, suction/rundown/transfer lines, steam heaters, thermometers, high level alarms, automatic level gauges and fugitive emissions control</p>
Module 02 - Storage Tanks Part 2	<p>Floating Roof Tanks - applications, pontoons, low deck, double deck, primary and secondary roof seals, lightning conductors, rim vents, roof girders, foam risers, roof ladders, vacuum breakers, roof drains, emergency overflow roof drains, roof legs, manways, gauging hatch, gauging well and geodesic dome</p> <p>Spheres &amp; Bullets - applications, layout, design and fabrication, suction/rundown/circulating/vapor return/drain/sample lines, maintenance and inspection, safety checks and relief valves</p>

## PROGRAM INFO

CATEGORY:  
Offsites

MODULES:  
4

PROGRAM DURATION:  
210-255 mins (approx)

As with all our programs, the content is self-paced. Users are able to validate their understanding of the material through embedded interactive quizzes

Our programs are based on internationally recognized best practices and are designed to enable your production personnel to make a personal contribution to maximizing your profits and minimizing your losses

For further details of the style and methodology of our training programs, please refer to our website, where you can watch a demo video and apply for a free trial:

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CONTENT	DESCRIPTION
Module 03 - Storage Tank Overhaul	Frequency, cleaning, internal inspection, flexible joints, roof legs, roof seals, roof grounding, pontoons, rolling ladders, guide poles and gauging hatches, roof drains, wind girders, roof and wall seams, wall grounding, mixers, basins, foundations, pressure regulating devices, instrumentation, nozzles, associated piping/valves/fittings, recalibration, painting, accessways and fire protection systems
Module 04 - Storage Tank Hazards	<p>Incorrect line-ups, water in process unit feedstocks, water in product rundown streams, unvented lines, plugged lines, unsafe roof access, excessive rundown temperature</p> <p>Overfilling, spillages, overpressuring, underpressuring, tank fires, earthquakes, LPG sphere fires and BLEVE's</p>
Test	Trainees answer a random selection of questions to demonstrate understanding of the content covered throughout the modules