



PSR

PERFORMANCE | SAFETY | RELIABILITY

PSR INTERACTIVE



MAINTENANCE INTERFACE 03 - CATALYST CHANGEOUT

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

- preparation for catalyst unloading
- catalyst unloading
- reactor clean-up
- reactor inspection
- catalyst loading

CONTENT	DESCRIPTION
Introduction	A brief introduction designed to prepare trainees for the modules that follow
Module 01 - Preparation	<p>Introduction - reasons for catalyst changeout, methods of catalyst recovery/disposal, methods of unloading, risks and controls</p> <p>Hazards - spontaneous combustion, respiratory/toxic/carcinogenic, nitrogen deficiencies, emergencies</p> <p>Specialist contractor's equipment - life support apparatus, vacuum machine, hoses and screens</p> <p>Site preparation - drum handling, contaminated clothing disposal, servicing the reactor gantry crane, isolating and opening the reactor, preparing the catalyst dump nozzles, dismantling inter-bed quench systems & gas testing the reactor atmosphere</p>
Module 02 - Catalyst Unloading	<p>Initial entry - removing internals and recording the condition of the catalyst bed</p> <p>Dry dumping - by free-flow, by vacuuming, shipping</p> <p>Preparation for general entry to the reactor - cleaning, ventilating, gas testing and providing safe access</p> <p>Reactor inspection - distributor trays, support beams and rings, support lugs, thermocouple nozzles and reactor walls</p>
Module 03 - Catalyst Loading	Risks, controls, hazards, reassembly of lower bed internals, sock and dense loading of lower bed, reassembly of upper bed internals, sock and dense loading of upper bed, reinstallation of top elbow, nitrogen purging and blanketing
Test	Trainees answer a random selection of questions to demonstrate understanding of the content covered throughout the modules

PROGRAM INFO

CATEGORY:
Maintenance Interface

MODULES:
3

PROGRAM DURATION:
120-165 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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