

Shutting down equipment in downstream operations

Overview

This standard addresses your competence in shutting down equipment.

This standard deals with the following:

- 1 Prepare to shut down
- 2 Shut down equipment

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

This Standard is suitable for those working in the downstream fuel environment.

Previous version:

Adapted from Unit 7 of Refinery Field Operations NOS – version April 2005

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Performance criteria

- You must be able to:*
- P1 obtain appropriate confirmation for shutdown to proceed
 - P2 correctly identify equipment and check status
 - P3 correctly follow procedures for checks and tests
 - P4 inform all relevant people of possible impact on them due to shutdown
 - P5 inform appropriate personnel that shutdown is imminent
 - P6 correctly shut down equipment in accordance with specified procedures
 - P7 identify, correct and promptly report abnormalities
 - P8 complete all relevant documentation
 - P9 inform appropriate personnel when shutdown is completed to specified state
 - P10 work safely in accordance with operational requirements

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Knowledge and understanding

- You need to know and understand:*
- K1 how to select, use and care for PPE
 - K2 the implications of statutory and organisational requirements
 - K3 how to interpret operational requirements
 - K4 the importance of shutting down the equipment in the correct sequence
 - K5 the consequence of shutting down the equipment too quickly or too slowly or in the wrong sequence
 - K6 the operating principles of relevant equipment
 - K7 trip systems and logic sequences
 - K8 plant layout and plant operating manuals
 - K9 equipment shutdown procedures
 - K10 how to work with and within the Permit to Work system
 - K11 how to access relevant documentation
 - K12 the function of the equipment to be started in the operation of the plant and process
 - K13 the properties of the material contained in the equipment
 - K14 the potential problems and appropriate action to be taken in preparing for shutdown
 - K15 the effect on the remainder of the plant where the item of equipment is taken out of service
 - K16 the effect on plant in adjacent areas
 - K17 the situations when shutdown should not proceed
 - K18 the potential problems and appropriate action to be taken if item of equipment is not shut down correctly
 - K19 the consequences if item of equipment is not isolated correctly
 - K20 the importance of time taken to shut down and isolate item of equipment to specified state
 - K21 the operating conditions and parameters

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