

COGDO25

Participate in shutting down equipment in downstream operations



Overview

This unit addresses your competence in shutting down equipment.

This unit deals with the following:

- 1 Preparing to shut down
- 2 Shutting down equipment

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

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 instruction and confirmation for shutdown to proceed
 - P2 correctly identify equipment and checked status
 - P3 correctly follow procedures for checks and tests
 - P4 promptly report any abnormality
 - P5 inform all relevant people
 - P6 work safely in accordance with operational requirements
 - P7 inform appropriate personnel that shutdown is imminent
 - P8 correctly shut down equipment in accordance with specified procedures
 - P9 identify and report abnormalities
 - P10 complete all relevant documentation
 - P11 inform appropriate personnel when shutdown is completed to specified state
 - P12 work safely in accordance with operational requirements

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Knowledge and understanding

You need to know and understand:

- K1 how to access relevant documentation (e.g. permits, operating procedures)
- K2 the function of the equipment (to include rotating, non-rotating and storage, heat transfer, control) to be started in the operation of the plant and process
- K3 the properties of the material contained in the equipment
- K4 the potential problems and appropriate action to be taken in preparing for shutdown
- K5 the effect on the remainder of the plant where the item of equipment is taken out of service
- K6 the effect on plant in adjacent areas
- K7 the situations when shutdown should not proceed
- K8 how to access relevant documentation (e.g. permits, operating procedures)
- K9 the potential problems and appropriate action to be taken if item of equipment is not shut down correctly
- K10 the consequences if item of equipment is not isolated correctly
- K11 the importance of time taken to shut down and isolate item of equipment to specified state
- K12 the operating conditions and parameters

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Additional Information

Scope/range

This unit deals with the following:

- 1 how to select, use and care for personal protective equipment (e.g. sight/hearing protection, gloves, footwear, hard hats, respirators)
- 2 the implications of statutory and organisational requirements
- 3 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- 4 the importance of shutting down the equipment in the correct sequence
- 5 the consequence of shutting down the equipment in the wrong sequence
- 6 the operating principles of relevant equipment (to include rotating, non-rotating and storage, heat transfer, control)
- 7 trip systems and logic sequences
- 8 plant layout and plant operating manuals
- 9 equipment shutdown procedures
- 10 how to work with and within your permit to work system

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Developed by Cogent

Version number 1

Date approved October 2009

Indicative review date October 2011

Validity Current

Status Original

Originating organisation Cogent

Original URN DO25

Relevant occupations Engineering and manufacturing technologies; Engineering; Process, Plant and Machine Operatives; Plant and Machine Operatives

Suite Downstream Operations

Key words participate, prepare, shut down, equipment
