

Prepare for maintenance in downstream operations

Overview

This standard is about your competence in preparing plant for others to maintain.

This standard deals with the following:

- 1 Prepare equipment
- 2 Prepare the work area
- 3 Accept back 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 9 of Refinery Field Operations NOS – version April 2005

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Performance criteria

- You must be able to:*
- P1 communicate effectively with appropriate personnel
 - P2 isolate the correct items from both process and energy source
 - P3 correctly dispose of equipment contents in accordance with procedures and consideration to the environment
 - P4 follow the Permit to Work procedures
 - P5 supply the maintenance personnel with all relevant information
 - P6 complete all relevant documentation
 - P7 securely shield any equipment that could be adversely affected by maintenance activities
 - P8 cordon off work areas as appropriate
 - P9 prepare the work area as specified in the Permit to Work procedures
 - P10 correctly and promptly cancel the permits when conditions are adversely changed
 - P11 confirm that work area preparations are complete
 - P12 ensure that the Permit to Work conditions are fully met
 - P13 confirm that the work on plant and equipment is complete
 - P14 identify any outstanding problems and reported these to the appropriate personnel
 - P15 check the integrity of equipment before accepting back
 - P16 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 equipment relevant to your work area
 - K5 how to carry out checks and tests
 - K6 how to work with and within the Permit to Work system
 - K7 how to communicate effectively
 - K8 the information required by maintenance personnel for the equipment to be worked on
 - K9 the isolation techniques for all relevant items of equipment
 - K10 how to identify and deal with abnormal occurrences during isolation, draining, purging, flushing and venting with consideration to the environment and not wasting product
 - K11 the importance of: complying with statutory regulations; site procedures being implemented; following Permit to Work procedures
 - K12 the effect of operating conditions on equipment preparation
 - K13 the operating principles of relevant equipment
 - K14 the operating conditions and parameters
 - K15 how to identify hazards within the work area
 - K16 how and when to cordon off a work area
 - K17 how hazardous conditions can arise in a previously prepared area
 - K18 the implications of commencing work in an area that is not prepared
 - K19 why controlled entry to work area is required
 - K20 why people need to be informed of work about to commence
 - K21 the operating conditions of relevant equipment which may impact on the work area
 - K22 why work area must be handed back in accordance with the permit conditions
 - K23 why permits associated with the activity have to be completed
 - K24 the implications of accepting back incomplete equipment
 - K25 how the operation of incomplete equipment affects the work activity

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