

COGFPSO35

Prepare and isolate for the maintenance of FPSO/FSU plant and equipment



Overview

This unit is concerned with ensuring that the necessary preparation and isolation activities are carried out by the FPSO/FSU Deck Operator for the maintenance of plant and equipment.

This unit deals with the following:

- 1 Prepare and isolate for the maintenance of plant and equipment

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

Previous Version:

Unit MDO35 National Occupational Standards in FPSO/FSU – April 2005

COGFPSO35

Prepare and isolate for the maintenance of FPSO/FSU plant and equipment

Performance criteria

- You must be able to:*
- P1 review the workpack contents and any permit to work considerations with Supervisor
 - P2 consider the impact of isolation on operation of other plant and systems
 - P3 implement the workpack as directed
 - P4 communicate the completion of workscope to the relevant personnel
 - P5 complete the relevant documentation

COGFPSO35

Prepare and isolate for the maintenance of FPSO/FSU plant and equipment

Knowledge and understanding

You need to know and understand:

- K1 the isolation devices/requirements (to include isolation certificates, spade lists, workpack, purging and flushing requirements, isolation rankings)
- K2 how to correctly install isolation devices and safety precautions/measures necessary
- K3 plant layout and its integration with other complex processes and systems
- K4 the normal operating parameters of systems and their tolerances
- K5 the effects of isolation on the operation of the plant
- K6 how to clearly and accurately complete the relevant documentation
- K7 how to select use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, and respirators)
- K8 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K9 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards and schedules)
- K10 how to locate and identify associated process equipment using P + ID's as appropriate
- K11 sources of information and interpretation of drawings, workpacks and manuals regarding isolation and re-instatement activities
- K12 permit to work system (to include Hot Work, Cold Work, isolation certificates)
- K13 the isolation philosophy and relevant procedures
- K14 the safety measures that need to be put in place and all the safety practices/procedures which must be adhered to
- K15 how to effectively maintain communications between the relevant supervisor, operators and technicians
- K16 how to carry out positive reporting of designated actions, assigned tasks, safety measures and checks, ensuring reports are clear, accurate and complete
- K17 how to carry out effective handovers between shifts and maintain continuity
- K18 the location, function and operation of ESD systems using P + ID's as appropriate
- K19 the location of process high pressures, high temperatures and the relevant safety measures
- K20 the procedures for entry into confined spaces

COGFPSO35

Prepare and isolate for the maintenance of FPSO/FSU plant and equipment

Developed by Cogent

Version number 1

Date approved June 2009

Indicative review date June 2011

Validity Current

Status Original

Originating organisation Cogent

Original URN FPSO35

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

Suite Floating Production & Storage Offload (FPSO)

Key words isolate, maintenance, plant, equipment, prepare
