

COGFPSO9

Monitor and control shutdown activities for cargo transfer operations



Overview

This unit is concerned with ensuring the safe and efficient shut down of the cargo transfer operations and the evaluation of the Cargo Handling and Ballast Plan after the following operations are carried out by the FPSO/FSU Control Room:

- 1 processing (to include temperature control)
- 2 offloading/metering
- 3 storage
- 4 blowdown
- 5 isolations (effects on operations)
- 6 offloading station
- 7 shuttle connection

This unit deals with the following:

- 1 Shutdown cargo transfer operations

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 MOT9 National Occupational Standards in FPSO/FSU – April 2005

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Performance criteria

You must be able to:

- P1 respond to shutdown requirements
- P2 maintain communications with relevant personnel
- P3 monitor and control the shutdown to ensure satisfactory progress
- P4 monitor operations for potential abnormal situations and deal with them as appropriate
- P5 evaluate and update Cargo Handling and Ballast Plan
- P6 complete all relevant log details

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Knowledge and understanding

You need to know and understand:

- K1 how to respond to shutdown requirements
- K2 how to monitor and control the shutdown to ensure satisfactory progress
- K3 how to evaluate and update Cargo Handling and Ballast Plan
- K4 how to clearly and accurately complete all the relevant log details
- K5 how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- K6 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K7 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards and schedules)
- K8 the location and identity of all control room equipment using P + ID's as appropriate
- K9 the layout of appropriate working areas (e.g. control room, control stations)
- K10 the structure/function/operation of: process flows, ballast system, cargo system, crude oil washing, inert gas system, cargo heating system, cargo metering, cargo offloading system, shuttle tanker mooring system, FPSO/FSU mooring system, bunkering systems (e.g. polymers, potable water, lube oil, diesel), instrument and plant air, vessel cooling water, diesel system and hydraulic system using P & ID's and Process Flow Diagrams as appropriate
- K11 the location of process high pressures, high temperatures and the relevant safety measures
- K12 how to carry out effective trouble shooting procedures
- K13 the location, function and operation of ESD systems using P & ID's as appropriate
- K14 how to carry out effective handovers between shifts and maintain continuity
- K15 the permit to work system
- K16 how to carry out positive reporting of instructional actions, tasks, safety measures and checks ensuring reports are clear, accurate and complete
- K17 the emergency procedures relevant to the cargo handling and ballast control operations

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