

COGFPSO12

Start up cargo offloading operations with shuttle tanker



Overview

This unit is concerned with ensuring that a safe and efficient start up of cargo offloading operations is carried out from the FPSO/FSU Control Room.

This unit deals with the following:

- 1 Start up the cargo offloading 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 MOT12 National Occupational Standards in FPSO/FSU – April 2005

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Performance criteria

You must be able to:

- P1 obtain permission for cargo offloading operations
- P2 commence initial cargo offloading
- P3 verify cargo offloading status
- P4 initiate full cargo offloading operations
- P5 monitor operations for potential abnormal situations and deal with them as appropriate
- P6 maintain communications with shuttle tanker and control room
- P7 ensure and confirm steady state condition
- P8 complete ongoing log details

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Knowledge and understanding

You need to know and understand:

- K1 the procedures to obtain permission for cargo offloading operations
- K2 how to start initial cargo offloading operations
- K3 how to verify cargo offloading status (to include processing – with temperature control; offloading/metering; storage; isolated; offloading station; shuttle hose and hawser connection)
- K4 the procedures necessary to effectively monitor operations for potentially abnormal situations
- K5 how to safely and effectively deal with abnormal situations
- K6 how to ensure and confirm steady state conditions
- K7 how to clearly and accurately complete the relevant log details
- K8 how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- K9 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K10 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards and schedules)
- K11 the location and identity of all control room equipment using P + ID's as appropriate
- K12 the layout of appropriate working areas (e.g. control room, control stations)
- K13 the layout/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
- K14 the location of process high pressures, high temperatures and the relevant safety measures
- K15 how to carry out effective trouble shooting procedures
- K16 the location, function and operation of ESD systems using P & ID's as appropriate
- K17 how to carry out effective handovers between shifts and maintain continuity
- K18 the permit to work system
- K19 how to carry out positive reporting of instructional actions, tasks, safety measures and checks ensuring reports are clear, accurate and complete
- K20 the emergency procedures relevant to the cargo handling system
- K21 the emergency procedures relevant to the ballast control system
- K22 the emergency procedures relevant to shuttle tanker operations

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Suite Floating Production & Storage Offload (FPSO)

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