COGFPSO32
Contribute to the shutdown of the cargo offloading operations with shuttle tanker

Overview

This unit is concerned with ensuring that a safe and efficient contribution is made by the FPSO/FSU Deck Operator to the shutdown activities of the Cargo Offloading operations.

This unit deals with the following:

1 Shutdown 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 MDO32 National Occupational Standards in FPSO/FSU – April 2005

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Performance criteria

You must be able to:

P1 report the cargo status and respond to shutdown requirements
P2 maintain communications with relevant internal/external personnel
P3 monitor and report the shutdown to ensure satisfactory progress
P4 monitor operations for potentially abnormal situations, report and respond to them as appropriate
P5 complete hose disconnection procedures and un-mooring activities and report
P6 contribute to relevant log details

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Knowledge and understanding

You need to know and understand:

K1 how to confirm cargo status (to include processing with temperature control, offloading/metering, storage, isolated tanks, offloading station, shuttle connection)
K2 how to implement the shutdown requirements
K3 the procedures and methods of shutting down systems
K4 how to monitor and report a shutdown to ensure safe and satisfactory progress
K5 the procedures necessary to effectively monitor operations for abnormal situations
K6 how to report and respond to abnormal situations
K7 the structure/characteristics/operations of the hose equipment assembly
K8 the maximum allowable load on hose/hawser handling equipment
K9 the hose disconnection procedures necessary
K10 the un-mooring activities necessary
K11 requirements for contributing to the relevant log details
K12 how to select, use and care for PPE (to include sight/hearing, protection, gloves, footwear, hard hats, respirators)
K13 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
K14 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules) to include station bill and emergency procedures
K15 how to locate and identify associated process equipment using P + ID's and Process Flow Diagrams as appropriate
K16 the layout/function/operation of: process flows, ballast system, cargo system, crude oil washing, inert gas system, crude off-loading and metering, FPSO/FSU mooring system, instrument and plant air, vessel cooling water, diesel system, hydraulic system, fire and gas system, using P + ID's and Process Flow Diagrams as appropriate
K17 how to manually initiate the deluge systems, the various fire suppression systems and fixed and portable fire fighting systems
K18 the geography of the installation
K19 the safety measures that need to be put in place and all the safety practices/procedures which must be adhered to
K20 how to effectively establish and maintain effective fixed/mobile communications between the relevant internal/external personnel
K21 how to carry out positive reporting of designated actions, assigned tasks, safety measures and checks ensuring reports are clear, accurate and complete

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K22 how to carry out effective handovers between shifts and maintain continuity
K23 the procedures necessary to carry out effective trouble shooting
K24 the location, function and operation of ESD systems using P & ID's as appropriate
K25 the location of process high pressures, high temperatures and the relevant safety measures
K26 the permit to work system
K27 the emergency procedures relevant to the cargo handling system
K28 the emergency procedures relevant to the ballast control system
K29 the emergency procedures relevant to shuttle tanker operations

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