

COGDO1 - SQA Unit Code FA72 04

Contributing to the safety of downstream operations



Overview

This unit is about your contribution to the safety aspects of working in a processing environment.

This unit deals with the following:

- 1 Maintain a safe working area
- 2 Maintain the safety of self and others
- 3 Protect the environment

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

Previous Version:

Adapted from Unit 1 of Refinery Field Operations NOS – version April 2005

Performance criteria

You must be able to:

- P1 identify safety hazards
- P2 take appropriate action on the identification of safety hazards
- P3 ensure that access to and egress from working area is maintained at all times
- P4 keep working area clean and tidy in accordance with requirements
- P5 keep clear all escape routes and access to emergency and safety equipment
- P6 ensure that only authorised people are allowed access to the work area
- P7 return safety equipment and approved tools to designated areas after use and report any defects
- P8 ensure that safety equipment and approved tools are fit for purpose
- P9 correctly use all relevant safety equipment and approved tools
- P10 correctly use specified PPE in designated areas
- P11 access and use additional resources as appropriate
- P12 correctly use manual handling methods
- P13 advise and consult with appropriate personnel prior to any discharge or emission
- P14 ensure that the amount of gas and liquid discharged into flare system is within required limits
- P15 ensure that the amount of pollutant discharged into dedicated drainage systems is within required limits
- P16 ensure that the level of atmospheric emissions is within required limits
- P17 ensure that noise levels are minimised
- P18 work safely in accordance with operational requirement

Knowledge and understanding

You need to know and understand:

- K1 how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- K2 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K3 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- K4 the plant layout in the working area
- K5 the potential hazards associated with the particular working area
- K6 the position of other relevant areas outside the plant
- K7 the types of activity occurring, and possible hazards, in areas adjacent to plant
- K8 your own responsibilities and duties
- K9 the reasons for use of safety equipment and devices and protective clothing
- K10 the procedures for obtaining medical assistance
- K11 the safety roles of immediate supervisors, colleagues and safety representatives
- K12 the location and position of emergency exits, muster points and emergency equipment
- K13 the appropriate responses to fire and gas alarms on adjacent plant
- K14 the potential hazards associated with work procedures and the safety precautions required
- K15 your duties under current environmental legislation
- K16 how to work with and within the Permit to Work system
- K17 the appropriate actions to take on the identification of safety hazards (e.g. rectification of hazard, prompt reporting, discontinuation of work, making those affected aware, including contractors, company personnel and visitors)
- K18 how to keep the working area satisfactorily clean and tidy
- K19 the procedures for allowing people in the work area
- K20 how to identify and report defects in safety equipment and approved tools
- K21 how to ensure that safety equipment (e.g. approved site PPE, safety showers, eye baths, gas detection equipment, fire fighting equipment) and approved tools are fit for purpose
- K22 how to identify the need for additional resources and then how to access and use them
- K23 how to use approved manual handling methods
- K24 the appropriate personnel with whom to consult and advise regarding discharges and emissions
- K25 the required limits for discharges and emissions into the environment

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- K26 how to minimise noise levels
- K27 the classification of waste products
- K28 the appropriate method of disposal for relevant waste classifications
- K29 the need for discharge and emission limits and the implications for exceeding them
- K30 how the overall environmental system operates (e.g. sewers, separators, flares)
- K31 the operating procedures which have the most potential for environmental impact

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