

COGDO4 - SQA Unit Code FA73 04

Unit 4: Responding to incidents, hazardous conditions and emergencies in downstream operations



Overview

This unit addresses the competences required to respond to incidents, hazardous conditions and emergencies.

To demonstrate your competence you must generate/gather/present evidence of reporting and correcting incidents, hazardous conditions and emergencies.

This includes:

- 1 Fire
- 2 Toxic vapour and/or liquid release
- 3 Injured personnel
- 4 Major plant or service failure
- 5 Flood
- 6 Uncontrolled release of hydrocarbons
- 7 Explosions

This unit deals with the following:

- 1 Report incidents, hazardous conditions and emergencies
- 2 Contribute to the correction of incidents, hazardous conditions and emergencies

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 4 of Refinery Field Operations NOS – version April 2005

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Performance criteria

You must be able to:

- P1 identify the nature, location and scope of incident
- P2 raise the appropriate alarms
- P3 report the incident to the appropriate people in accordance with plant reporting procedures
- P4 provide accurate and unambiguous information to the appropriate people
- P5 complete all relevant documentation
- P6 follow appropriate procedures after the situation has been assessed
- P7 inform appropriate people as actions are taken
- P8 take the correct actions, in accordance with procedures, to make the process safe
- P9 take the correct actions, in accordance with procedures, to deal with the incident
- P10 minimise the incident, hazard or emergency
- P11 minimise waste and loss
- P12 act promptly and in association with others
- P13 correctly modify actions in response to changing conditions
- P14 work safely in accordance with operational requirements

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Knowledge and understanding

You need to know and understand:

- K1 how to select, use and care for PPE (e.g. 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 emergency procedures for plant and site
- K5 how to work with and within the Permit to Work system
- K6 the types of incidents which should be reported (to include fire, flood, toxic vapour and/or liquid release, uncontrolled release of hydrocarbons, explosions, injured personnel, major plant or service failure)
- K7 how the alarm should be raised for each type of incident
- K8 how to access, interpret and implement site emergency plans; environmental procedures; plant emergency procedures
- K9 how to communicate effectively (e.g. verbal; written)
- K10 the procedure for responding at an early stage of an incident (to include fire, flood, toxic vapour and/or liquid release, uncontrolled release of hydrocarbons, explosions, injured personnel, major plant or service failure)
- K11 your own responsibilities during emergencies
- K12 the potential incidents within your area of responsibility and the actions to be taken
- K13 the need for and use of emergency equipment
- K14 the appropriate first response to casualties
- K15 the effect of the emergency on plant, equipment and personnel

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