

COGPEM28 - SQA Unit Code FP3L 04

Minimise risks to life, property and the environment



Overview

This unit is about your competence in minimising the risks to life, property and the environment. You will be required to identify hazards, assess the risks involved, minimise the risks by implementing control measures and providing ongoing monitoring. All the relevant safety systems will require updating.

This unit is common to the Electrical, Mechanical and Instrument & Control disciplines.

This unit deals with the following:

- 1 Minimise risks to life, property and the environment

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:

Adapted from Unit C3.3 of Process Engineering Maintenance NOS – version February 2004. This unit is a contextualised version of a unit produced by the OSC Eng Engineering Competence Standards which was originally designated ECS 7.05.

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Performance criteria

- You must be able to:*
- P1 work safely in accordance with the regulations for your work environment
 - P2 identify hazards and assess the level of risk involved
 - P3 minimise the risks and implement control measures in the minimum agreed timescales
 - P4 inform all those who are affected of the risk control measures in place and clarify any implications for them as required
 - P5 ensure that information provided for safety system records is clear, accurate and up-to- date
 - P6 monitor the effectiveness of the risk control measures and take prompt additional action where needed

Knowledge and understanding

You need to know and understand:

- K1 you must have a working knowledge and understanding of what your responsibilities are in respect of Health, Safety and Environment. This should include the limits of your personal responsibility, your legal responsibility for your own health and safety and the health and safety of others
- K2 you must have a working knowledge of the relevant regulations and the safe working practices and procedures required within your work area
- K3 you must have a working knowledge and understanding of the types of hazards involving processes, tools, equipment and materials that are likely to be met whilst carrying out the maintenance of plant and equipment
- K4 you must have a working knowledge and understanding of the safety assessment methods and techniques to be used
- K5 you must have a working knowledge and understanding of the actions to minimise risk from hazards
- K6 you must have a working knowledge and understanding of the safety reporting procedures and documentation for your working environment
- K7 you must have a working knowledge and understanding of your responsibilities with regard to the reporting lines and procedures for your working environment

Additional Information

Scope/range related to performance criteria

- 1 The level and extent of responsibility is limited to working within agreed specifications and following clearly defined procedures with regard to identifying and dealing with risks to life, property and the environment. You will be expected to take immediate action appropriate to the circumstances
- 2 The type of working environment could be anywhere involving petroleum and chemicals manufacturing, controlled operational areas and offshore installations
- 3 The type of hazards involved could be those that may affect the safety and/or integrity of:
 - 3.1 People
 - 3.2 Environment
 - 3.3 Operational Equipment
- 4 The risk control measures to be implemented will include those approved by the company
- 5 The type of action to be taken will be limited to your responsibility but should include:
 - 5.1 Removal of the hazard
 - 5.2 Raising the alarm
 - 5.3 Shutting down the process
 - 5.4 Stopping the work
- 6 The methods of communicating or reporting actions will be in accordance with the requirements of the company

Scope/range related to knowledge and understanding

The Knowledge and Understanding levels expressed indicate the minimum level of knowledge and understanding sufficient to perform your role in a manner that would normally be associated with the minimum acceptable performance of a competent person undertaking your role.

The expression “working knowledge and understanding” indicates you are able to:

- 1 Identify and apply relevant information, procedures and practices to your usual role in your expected working environments needing only occasional recourse to reference materials
- 2 Describe, in your own words, the principles underlying your working

methods. This does not mean the ability to quote “Chapter and verse”. Rather you must know what supporting information is available, how and where to find it and from whom to seek further guidance and information confirm any additional required detail

- 3 Interpret and apply the information obtained to your role, your working practice and in your expected working environment

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