

COGPOH14 - SQA Unit Code F22K 04

Prepare and start up integrated process systems



Overview

This unit is about preparing and starting up integrated process systems for operation.

This unit deals with the following:

- 1 Prepare to carry out a production process
- 2 Start up integrated process systems

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 PT3.1 Processing Operations Hydrocarbons NOS – November 2006

Performance criteria

You must be able to:

- P1 effectively obtain operational instruction
- P2 effectively organise work of self and others where appropriate
- P3 effectively brief relevant personnel
- P4 accurately identify difficulties with relevant parts of the Safe Systems of Work system and take appropriate action
- P5 ensure that all information supplied and recorded is accurate, complete and legible
- P6 effectively maintain your work area to be clean and hazard free
- P7 work safely in accordance with operational requirements and associated **Safe Systems of Work**
- P8 correctly prepare plant and utilities
- P9 effectively start up the process system
- P10 accurately identify faults and take appropriate action
- P11 integrate the plant and utilities and facilitate optimum processing

Knowledge and understanding

You need to know and understand:

- K1 how to use “Safe Systems of Work” processes to identify hazards and mitigate or reduce risks to as low as reasonable practicable (ALARP)
- K2 how to select, use and care for Personal Protective Equipment (PPE) to include sight/hearing protection, coveralls, gloves, footwear, hard hats, respirators
- K3 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K4 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- K5 work area hazards (to include spillages, uncontrolled emissions, H2S and other toxic substances, extreme weather conditions)
- K6 plant layout and its connection with other systems
- K7 how to access and interpret drawings and manuals regarding the plant
- K8 the effects of changes in ambient conditions on plant operation
- K9 who to deal with (to include co-workers, supervisors, managers, workers of other disciplines)
- K10 how to work with and within the Safe Systems of Work system
- K11 the limits of your own responsibilities
- K12 how to identify faults (to include damage, wear, malfunction, process deviations, service defects)
- K13 the appropriate action to take on identification of faults in the plant and utilities
- K14 how to achieve optimum processing

Additional Information

Scope/range

Candidates must prove competence across the following items (or “systems”) as appropriate to the workplace and Evidence Specification:

- 1 wells
- 2 oil storage/discharge process
- 3 gas process
- 4 oil/gas process and export
- 5 water injection
- 6 metering
- 7 utilities

In addition, the following terms in bold relate directly to those shown in **bold** in the Performance Statements.

- 1 **Safe Systems of Work** must include processes or systems that incorporate Hazard Identification, Risk Assessment, Permit to Work and any other associated systems.

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Suite Processing Operations Hydrocarbons

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