
Overview

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

This unit deals with the following:

- 1 Prepare to carry out a production process
- 2 Start up 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 PT2.1 Processing Operations Hydrocarbons NOS – November 2006

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Performance criteria

You must be able to:

- P1 effectively obtain operational instructions
- 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 facilitate optimum processing

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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

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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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