
Overview

This standard covers the competences you need to take measurements and perform calculations in jetty operations in accordance with approved procedures and practices.

You will be required to demonstrate that you can:

1 Take measurements and perform calculations of product

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

The activity is likely to be undertaken by someone in petro-chemical work setting, including individuals working in refineries, chemical plants and tank storage.

Performance criteria

You must be able to:

- P1 ensure that the measurement equipment is fit for purpose before and after use
- P2 obtain and use the correct PPE
- P3 maintain the integrity of the product and environmental conditions throughout
- P4 take and record measurements
- P5 reinstate source conditions
- P6 perform all calculations and investigate any unexpected results
- P7 complete all relevant documentation
- P8 deal promptly and effectively with problems that are your responsibility, and report those that you cannot solve and or are not your responsibility to the relevant person
- P9 work safely in accordance with operational and environmental requirements

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Knowledge and understanding

You need to know and understand:

K1 how to ensure that the measurement equipment is fit for purpose both before and after measurement

K2 how to perform the relevant calculations

K3 how to recognise and deal with unexpected results

Scope/range

1 Take measurements and perform calculations using direct and meter measurement. Physical quantities may include:

- 1.1 product quantities
- 1.2 pressure
- 1.3 ullage
- 1.4 product density
- 1.5 product temperature
- 1.6 vapour space content

2 Context of measurements may include:

- 2.1 between transfers
- 2.2 during transfers (receipt of product at tank)
- 2.3 for stock records
- 2.4 for client or other agency (for HMC&E records)

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