



**Australian Government**

# **Assessment Requirements for PMAOPS337 Operate and troubleshoot liquid extraction system**

**Release: 1**

# Assessment Requirements for PMAOPS337 Operate and troubleshoot liquid extraction system

## Modification History

Release 1. Unit code and title changed. Application and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMAOPS329 Operate liquid extraction unit.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- at least 2 times, each in a separate work context.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- all items on a schematic of the system, including:
  - type of liquid extraction system, the component plant items and their functions
  - principles of operation of liquid extractors, stabilisation principles, the basis of cryogenic operations
  - operating parameters and integrity limits, product specifications and tolerances including temperature, pressure and flow
  - process control philosophies and strategies
  - procedure for starting, stopping, operating, controlling and isolating the system
  - emergency shutdown procedures
  - functions of major components and troubleshooting techniques
- physics and chemistry to the level of being able to provide an overview of the science of the liquid extraction process
- liquid extraction system abnormal situations and required action, including but not limited to:
  - design temperature constraints
  - CO<sub>2</sub> freezing
  - flooding
  - variation in feed quality/rate
- hierarchy of control
- liquid extraction hazards:
  - possible causes
  - potential consequences
  - appropriate risk controls

- reporting and escalation procedures.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - liquid extraction system
  - operating procedures
- abnormal situations must be relevant to liquid extraction systems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>