



Australian Government

UEPOPS098 Operate and monitor gas production plant

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to operate, inspect and monitor gas producing plant. Gas production plant is used for combustible gases which are fed into power turbines.

Competency in this unit requires the ability to plan work, operate compressed gas production plant, test compressed gas production plant, analyse compressed gas production plant faults, monitor and inspect compressed gas production plant, and complete all documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator.

Power generation plant operators are trained and authorised to isolate, prepare plant and issue permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

There are no prerequisite units

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Plan and prepare work

1.1 Work health and safety (WHS)/occupational health and

- safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are identified, applied and monitored
- 1.2 Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures
 - 1.3 Documentation to determine gas production plant status is assessed and evaluated in accordance with workplace procedures
 - 1.4 Inspection and field preparation for gas production service are carried out in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 1.5 Gas production plant operational prerequisites are established in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 1.6 Sequence for recommissioning of gas production plant is determined in accordance with workplace procedures
- 2 Operate gas production plant**
- 2.1 Gas production plant is operated in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 2.2 Gas production plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures
 - 2.3 Corrective actions are taken to rectify abnormalities in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 3 Test gas production plant operation**
- 3.1 Operational tests are performed in accordance with workplace procedures
 - 3.2 Gas production plant is observed for operational response in accordance with workplace procedures
 - 3.3 Gas production plant is returned to required operational status upon completion of test in accordance with workplace procedures

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| 4 Analyse gas production plant faults | 4.1 Causes of abnormal gas production plant operating conditions are identified and by analysing technical and operational information in accordance with workplace procedures |
| | 4.2 Gas production plant integrity and personnel safety is maintained in consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures |
| 5 Monitor and inspect gas production plant | 5.1 Gas production plant is monitored and inspected for normal operation and to detect deviations in accordance with workplace procedures |
| | 5.2 Relevant personnel are notified when defects are detected in accordance with workplace procedures |
| 6 Complete documentation | 6.1 Gas production plant problems, movements, abnormalities and status are reported in accordance with workplace procedures |
| | 6.2 Documentation is updated in accordance with workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEP Electricity Supply Industry – Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS319 Operate and monitor gas production plant.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

