



Australian Government

UEPOPS106 Operate and monitor site services water systems

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 a power generation facility's site services water system, excluding fixed fire water services.

Water systems are an essential component in power generating facility operations. The smooth operation of a power generating facility's water system must be maintained and optimised to ensure safety and the mitigation of potential impacts from dangerous situations.

Competency in this unit requires the ability to plan work, operate water system plant, test water system plant operation, respond to abnormal water system plant operation, monitor and inspect water system 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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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 water system plant status is assessed and evaluated in accordance with workplace procedures
 - 1.4** Inspection and field preparations of water system plant service is carried out in accordance with manufacturers' specifications and workplace procedures
 - 1.5** Water system plant operational prerequisites are established in accordance with manufacturers' specifications and workplace procedures
 - 1.6** Sequence for recommissioning of water system plant is determined in accordance with workplace procedures
- 2 Operate water system plant**
 - 2.1** Water system plant is operated in accordance with manufacturers' specifications and workplace procedures
 - 2.2** Water system 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' specifications and workplace procedures
- 3 Test water system plant operation**
 - 3.1** Operational tests are performed in accordance with workplace procedures
 - 3.2** Water system plant is observed for correct operational response in accordance with workplace procedures
 - 3.3** Water system plant is returned to operational status upon completion of testing in accordance with workplace procedures
- 4 Analyse water system plant faults**
 - 4.1** Causes of abnormal water system plant operating conditions are identified by analysing technical and

- operational information in accordance workplace procedures
- 4.2** Water system plant integrity and personnel safety are maintained in consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures
- 5 Monitor and inspect water system plant**
- 5.1** Water system 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** Water system plant problems, movements 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 UEPOPS244 Operate and monitor site services water systems.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>