



Australian Government

UEPOPS331 Operate and monitor water systems (condensate and feedwater)

Release: 1

UEPOPS331 Operate and monitor water systems (condensate and feedwater)

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to operate, inspect and monitor water systems (condensate and feedwater).

Water systems are used to supply high quality water to the generator and to heat water. Between the condenser and feedwater pump, the water is called condensate and between the feedwater pump and the generator the water is called feedwater.

Competency in this unit requires the ability to plan work, operate water system (condensate and feedwater) plant, test water system plant, analyse water system plant faults, monitor and inspect water system plant and the completion of all documentation. Individuals will, in general, work as an operator in a power generation plant.

Power generation plant operators are typically 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.

Note: Workplace practice

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

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 for water systems plant operation

- 1.1 Safety issues related to operating and monitoring water system plant are identified, in accordance with workplace procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations and legislative requirements
- 1.2 Work requirements including permit to work are identified, in accordance with workplace procedures, from relevant personnel and documentation
- 1.3 Documentation to determine water system plant status is assessed and evaluated, in accordance with workplace procedures
- 1.4 Inspection, preoperational checks and field preparation for water system plant service are carried out, in accordance with workplace procedures and manufacturers' recommendations
- 1.5 Water system plant operational prerequisites are established, in accordance with workplace procedures and manufacturers' recommendations
- 1.6 Sequence for recommissioning of water system plant is determined, in accordance with workplace procedures and site requirements

2 Operate water system plant

- 2.1 Water system plant is operated, in accordance with workplace procedures and manufacturers' operating recommendation
- 2.2 Water system plant is monitored and observed, in accordance with workplace procedures, to detect deviations from normal operating conditions
- 2.3 Corrective actions are taken to rectify water system abnormalities, in accordance with workplace procedures, industry standards and site requirements

3 Test water system plant operation

- 3.1 Operational tests are performed, in accordance with workplace procedures

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS331B Operate and monitor water systems (condensate and feedwater).

Links

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