



Australian Government

UEPOPS082 Operate and monitor boiler draught system

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 boiler draught equipment.

Boiler draught is defined as the difference between atmospheric pressure and the pressure existing in a furnace or the flue gas passage of a boiler. Boiler draught is important to the smooth operation of all the systems in a power generating facility.

Competency in this unit requires the ability to plan work, operate boiler draught system plant, test boiler draught system plant, analyse boiler draught system plant faults, monitor and inspect boiler draught 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.

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| 1 Plan and prepare for boiler draught system operation | <ul style="list-style-type: none">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 monitored1.2 Work requirements, including permits, are identified from relevant personnel and documentation in accordance with workplace procedures1.3 Documentation to determine boiler draught system plant status is assessed and evaluated in accordance with workplace procedures1.4 Inspection, preoperational checks and field preparations for boiler draught system plant service are carried out in accordance with manufacturers' specifications and workplace procedures1.5 Boiler draught system plant operational prerequisites are established in accordance with manufacturers' specifications and workplace procedures1.6 Sequence for recommissioning of boiler draught system plant is determined to suit existing circumstances in accordance with workplace procedures |
| 2 Operate boiler draught system plant | <ul style="list-style-type: none">2.1 Boiler draught system plant is operated in accordance with manufacturers' specifications and workplace procedures2.2 Boiler draught system plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures2.3 Corrective actions are taken to rectify abnormalities in accordance with workplace procedures |
| 3 Test plant boiler draught system operation | <ul style="list-style-type: none">3.1 Operational tests are performed in accordance with workplace procedures3.2 Boiler draught system plant is observed for correct operational response in accordance with workplace procedures3.3 Boiler draught system plant is returned to required operational status upon completion of testing in accordance with workplace procedures |

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| 4 Analyse boiler draught system plant faults | 4.1 | Causes of abnormal boiler draught system plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures, |
| | 4.2 | Boiler draught 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 boiler draught system plant | 5.1 | Boiler draught 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 | Boiler draught 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 UEPOPS313 Operate and monitor boiler draught system.

Links

Companion Volume implementation guides are found in VETNet -

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

