



Australian Government

UEPOPS097 Operate and monitor fuel supply - coal

Release: 1

UEPOPS097 Operate and monitor fuel supply - coal

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 coal delivery systems to power generating unit storage bunkers.

A power generating facility that burns fossil fuels is reliant on fuel supply delivery systems to maintain power generation capability. A coal delivery system will consist of plant and equipment that requires regular monitoring to ensure smooth operations are maintained.

Competency in this unit requires the ability to plan work, operate coal delivery system plant, analyse coal delivery system plant faults, monitor and inspect coal delivery 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 fuel delivery plant for 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, fuel delivery plant and resource requirements are identified from relevant personnel and documentation in accordance with workplace procedures1.3 Quality assurance requirements are identified in accordance with workplace procedures1.4 Documentation to determine fuel delivery plant status is assessed and evaluated in accordance with workplace procedures1.5 Inspection and field preparation for fuel delivery plant service is carried out in accordance with manufacturers' specifications and workplace procedures1.6 Operational prerequisites for fuel delivery plant are established in accordance with manufacturers' specifications and workplace procedures1.7 Sequence for recommissioning of fuel delivery plant is determined in accordance with workplace procedures |
| 2 Operate coal delivery plant | <ul style="list-style-type: none">2.1 Fuel delivery plant is operated in accordance with manufacturers' specifications and workplace procedures2.2 Fuel delivery plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures2.3 Fuel delivery plant is returned to operational status upon completion of testing in accordance with workplace procedures2.4 Causes of abnormal fuel delivery plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures |
| 3 Monitor and inspect fuel delivery plant | <ul style="list-style-type: none">3.1 Fuel delivery plant to be monitored and inspected is physically identified in accordance with workplace procedures |

- 3.2** Fuel delivery plant is monitored and inspected for normal operation and to detect deviations in accordance with workplace procedures
 - 3.3** Relevant personnel are notified when defects are detected in accordance with workplace procedures
- 4 Complete documentation**
 - 4.1** Fuel delivery plant problems, movements and status is reported in accordance with workplace procedures
 - 4.2** 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 UEPOPS240 Operate and monitor fuel supply -Coal.

Links

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

Assessment Requirements for UEPOPS097 Operate and monitor fuel supply - coal

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- analysing fuel supply delivery system plant faults using data analysis techniques and tools
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
- communicating with personnel
- complying with regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- identifying fuel supply delivery system plant status
- interpreting manufacturers' specifications and manuals
- operating, monitoring and inspecting fuel supply delivery system plant operations
- preparing and planning work, including applying operational procedures
- recognising and responding to abnormal fuel supply delivery system plant operating conditions
- safe working practices
- testing fuel supply delivery system plant operationally using diagnostic and testing techniques
- working with permit to work system.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- arrangements of power production plant
- fuel supply delivery system plant and equipment, location and operating parameters
- fuel supply delivery system plant status
- manuals
- operation and inspection of fuel supply delivery system plant operations

- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures permit to work system.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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