



Australian Government

UEPOPS002 Apply environmental and sustainable energy procedures

Release: 1

UEPOPS002 Apply environmental and sustainable energy procedures

Modification History

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

Application

This unit involves the skills and knowledge required for the implementation of environmental procedures in the workplace. It also includes identifying, assessing and controlling environmental risks, and assessing the impact of work-related activities.

Environmental risks can include air, soil and water pollution, wildlife and habitat loss and global warming emissions.

Competency in this unit requires the ability to plan for quality control, monitor quality control and complete all documentation. Individuals will, in general, work as an operator, in a power generation facility.

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 Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Relate environmental procedures to specific work site

- 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 site inspection in accordance with workplace procedures

2 Implement environmental procedures

- 2.1** Environmental and sustainable energy procedures are applied to specific worksite in accordance with workplace procedures
- 2.2** Environmental risks and impacts are identified in accordance with workplace procedures
- 2.3** Environmental risks and impacts are assessed in accordance with workplace procedures
- 2.4** Environmental risks and impacts are controlled and monitored throughout work activities in accordance with workplace procedures
- 2.5** Environmental incidents are dealt with and contingency strategies are implemented in accordance with emergency procedures and workplace procedures
- 2.6** Environmental and sustainable energy work is conducted in accordance with principles of sustainable energy and energy conservation workplace procedures
- 2.7** Provision for recycling and reuse of materials is undertaken, where possible, in accordance with workplace procedures
- 2.8** Environmental incidents are reported and recorded in accordance with workplace procedures

3 Report and review environmental procedures

- 3.1** Environmental and sustainable energy processes are monitored and documented in accordance with workplace procedures
- 3.2** Environmental risks, potential impacts and incidents are monitored and reported in accordance with workplace procedures

- 3.3** Participation and contribution into reviews of environmental and sustainable energy procedures are carried out 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 UEPOPS356 Apply environmental and sustainable energy procedures.

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 UEPOPS002 Apply environmental and sustainable energy procedures

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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:

- applying environmental risk assessment processes
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- communicating with personnel
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- recycling and reusing materials
- reporting on environmental incidents
- using manuals
- utilising environmental and sustainable energy principles and practices
- working with, monitoring and reviewing environmental procedures.

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:

- environmental and sustainable energy principles and practices
- environmental incidents
- environmental risk assessment processes
- implementation, monitoring and reviewing environmental procedures
- manuals
- methods of identifying environmental impacts
- recycling and reuse of materials
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and

- specifications, and environmental requirements
- WHS/OHS requirements, including
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures.

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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