



Australian Government

UEPOPS050 Manage environmental management systems

Release: 1

UEPOPS050 Manage environmental management systems

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 manage the environmental management strategy of the power generation facility. It involves the implementation of policies and procedures related to environmental legislation and regulations that impact the power generation industry.

Environmental legislation is a collection of laws and regulations aimed at protecting the environment from harmful actions. Federal, state/territory and local governments jointly administer environmental protection laws in Australia.

Competency in this unit requires the ability to plan, implement, manage and monitor environmental management strategies. Individuals will, in general, work as an operator with responsibility for environmental management systems, in a power generation facility.

No licensing or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

No prerequisites are required for this unit.

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 environmental management strategies

- 1.1** Environmental management system plan and strategies are identified and clarified with all stakeholders, including external organisations, in accordance with workplace procedures
- 1.2** 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
- 1.3** Environmental management system activities and operation are identified and investigated to ensure that hazard minimisation strategies are developed and implemented in accordance with workplace procedures
- 1.4** Environmental management system strategies for identified problems are developed and prioritised for implementation in accordance with workplace procedures
- 1.5** Timelines, schedules and targets are established to ensure environmental management system objectives are managed in accordance with workplace procedures
- 1.6** Financial resources, personnel, physical facilities and equipment are procured and managed to achieve environmental management system performance outcomes in accordance with workplace procedures

2 Manage environmental management strategies

- 2.1** Environmental management system strategies are documented, assessed and evaluated to control risks in accordance with workplace procedures
- 2.2** Results and recommendations relating to environmental management system are documented and confirmed with stakeholders in accordance with workplace procedures
- 2.3** Environmental management system and strategies are promoted to all stakeholders in accordance with workplace procedures

3 Monitor environmental management strategies

- 3.1** Data is collected and managed to provide accurate measures of performance with environmental management system plan in accordance with workplace procedures
- 3.2** Statistical comparisons between environmental

management system objectives and performance are managed and reported in accordance with workplace procedures

- 3.3 Feedback from stakeholders is evaluated and managed to determine changes to environmental management system plan and strategies in accordance with workplace procedures
- 3.4 Changes to implemented strategies are recommended and managed 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 UEPOPS528 Manage environmental management systems.

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 UEPOPS050 Manage environmental management systems

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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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- carrying out environmental planning and strategy development
- communicating with stakeholders
- identifying sources of pollution and minimisation procedures
- identifying and responding to environmental issues and change
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- managing resources
- managing risk management control measures
- monitoring and reviewing environmental strategies
- monitoring environmental management strategies and procedures
- producing and managing environmental management strategies
- recognising and managing potential environmental hazards and issues
- recommending environmental management system strategy change
- researching and producing environmental reports using data analysis techniques and tools.

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 range of conditions and include knowledge of:

- arrangements of power production plant
- environmental management system planning and strategy development
- environmental planning and management techniques and tools

- potential impacts of environmental hazards including pollution
- power generation plant and equipment, location and operating parameters
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- resource usage
- risk management planning, techniques and tools
- stakeholder liaison
- WHS/OHS requirements, including:
 - emergency strategies
 - 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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