



Australian Government

UEPOPS242 Operate and monitor dust collection plant

Release: 1

UEPOPS242 Operate and monitor dust collection plant

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 dust collection plant associated with a power station.

Power generation facilities will produce waste that must either be removed, recycled or stored. Dust produced from the generation of power must be disposed of using an established dust handling system.

Competency in this unit requires the ability to plan work, operate dust disposal plant, test dust disposal plant operation, respond to abnormal dust disposal plant operations, monitor and inspect dust disposal 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 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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Plan and prepare work

- 1.1** Safety issues relating to operating and monitoring dust collection 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 are identified, in accordance with workplace procedures, from relevant personnel and documentation
- 1.3** Inspection and field preparation for dust collection plant service is carried out, in accordance with workplace procedures and manufacturers' recommendations
- 1.4** Dust collection plant operational prerequisites are established, in accordance with workplace procedures and manufacturers' recommendations
- 1.5** Sequence for recommissioning of dust collection plant is determined, in accordance with workplace procedures and site requirements

2 Operate dust collection plant

- 2.1** Dust collection plant is operated, in accordance with workplace procedures and manufacturers' operating recommendations
- 2.2** Dust collection plant is monitored and observed, in accordance with workplace procedures, to detect deviations from normal operating conditions
- 2.3** Corrective action is taken to rectify abnormalities, in accordance with workplace procedures, industry standards and site requirements

3 Test dust collection plant operation

- 3.1** Operational tests are performed, in accordance with workplace procedures
- 3.2** Dust collection plant is observed for correct operational response, in accordance with workplace procedures
- 3.3** Corrective action is taken, in accordance with workplace procedures, when dust collection plant response does not meet documentation, plant integrity or personnel safety

		requirements
	3.4	Dust collection plant is returned to required operational status upon completion of testing, in accordance with workplace procedures
4 Analyse dust collection plant faults	4.1	Causes of abnormal dust collection plant operating conditions are identified, in accordance with workplace procedures and by analysing technical and operational information
	4.2	Corrective action is taken, in accordance with workplace procedures
	4.3	Dust collection plant integrity and personnel safety is maintained, in accordance with workplace procedures, and in consultation with appropriate personnel and technical and operational documentation
5 Monitor and inspect dust collection plant	5.1	Dust collection plant to be monitored or inspected is physically identified, in accordance with workplace procedures
	5.2	Dust collection plant is monitored or inspected for normal operation or to detect deviations, in accordance with workplace procedures
	5.3	Corrective action is taken, in accordance with workplace procedures
	5.4	Appropriate personnel are notified when defects are detected, in accordance with workplace procedures
6 Complete documentation	6.1	Dust collection plant problems, movements, abnormalities 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS242B Operate and monitor dust collection plant.

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 UEPOPS242 Operate and monitor dust collection plant

Modification History

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

- analysing dust collection 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
 - safe working practices
- communicating with personnel
- completing documentation using recording procedures
- complying with legislation, industry standards, codes of practice and regulations
- identifying and responding to abnormal dust collection plant operating conditions
- interpreting manufacturers' specifications and manuals
- monitoring and inspecting dust collection plant operations
- operating dust collection dust collection plant
- organising resources
- preparing and planning work
- preparing dust collection plant and equipment for operation
- recognising and identifying dust collection plant status
- testing dust collection plant operationally using diagnostic and test techniques
- working with permit to work system

Performance Evidence

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

- dust collection plant and equipment, its location and operating parameters
- dust collection plant status
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- safe operating principles
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:

- emergency procedures
- risk control measures
- safe working practices
- workplace documentation
- workplace policies and procedures

Knowledge Evidence

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions. 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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Assessment Conditions

UEP Training Package Companion Volume Implementation Guide at: [sector webpage link here]

Links

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