



Australian Government

UEPOPS005 Clean plant and equipment

Release: 1

UEPOPS005 Clean plant and equipment

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 clean industrial plant, machinery and surrounds associated with electricity generation stations and related surroundings. It may also include the removal of excess, or oil-based, soil.

The removal of impurities is required to facilitate repairs, maintenance, refurbishment or the inspection of plant and machinery. Cleaning, therefore, is often the first task performed in the maintenance, repair and overhaul of power generation plant.

Competency in this unit requires the ability to plan and prepare for the cleaning of industrial plant and equipment, conduct cleaning and complete work. Individuals will, in general, work as an operator, in a power generation facility.

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.

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 for work**
- 1.1** Work requirements are identified from relevant personnel and documentation 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** Resources, including cleaning agents, personal protective equipment (PPE) and tools, are obtained and inspected for compliance with job specifications in accordance with safety data sheets (SDS) and workplace procedures
 - 1.4** Work is sequenced and prioritised in accordance with workplace procedures
 - 1.5** Potential hazards are identified, and prevention and risk control measures are implemented in accordance with workplace procedures
 - 1.6** Work area is prepared in accordance with workplace procedures
- 2 Conduct industrial plant and equipment cleaning**
- 2.1** Isolations are confirmed with relevant personnel in accordance with workplace procedures
 - 2.2** Surfaces are applied, where required, with suitable cleaning agent to assist in release of soil or oil residue in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 2.3** Cleaning equipment and accessories are operated in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 2.4** Industrial plant and equipment are cleaned in accordance with the workplace procedures
 - 2.5** Residual waste is directed to suitable disposal points in accordance with environmental regulations and workplace procedures
 - 2.6** Final cleaning inspection is carried out in accordance with workplace procedures

3 Complete industrial plant and equipment cleaning

- 3.1** Cleaning is completed and relevant personnel are notified in accordance with workplace procedures
- 3.2** Work area is cleared of waste, cleaned, restored and secured in accordance with workplace procedures
- 3.3** Industrial plant, tools and equipment are maintained and stored in accordance with workplace procedures
- 3.4** Cleaning completion details are finalised 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 UEPOPS211 Clean plant and equipment.

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 UEPOPS005 Clean plant and equipment

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.

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 material handling procedures
- applying work health and safety (WHS)/occupational health and safety (OHS) legislated requirements, including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
 - using personal protective equipment (PPE)
- communicating with personnel
- completing documentation
- complying with regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- directing residual waste to disposal points
- handling hazardous materials
- planning cleaning work
- protecting power generation plant or equipment
- selecting relevant cleaning methods and using cleaning techniques and procedures on industrial plant and equipment
- using manuals
- using safety data sheets (SDS)
- working with isolations and 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:

- cleaning equipment and accessories
- cleaning methods

- disposal points
- hazardous materials
- isolations
- manuals
- material handling procedures
- permit to work system
- protection of power generation plant and equipment
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- SDS
- types of cleaning agents, properties and application
- WHS/OHS requirements, including:
 - emergency procedures
 - hazard identification
 - PPE
 - 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 PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

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

