



Australian Government

UEPOPS211 Clean plant and equipment

Release: 1

UEPOPS211 Clean plant and equipment

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 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.

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.

1 Plan and prepare for work

PERFORMANCE CRITERIA

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

- 1.1** Requirements are identified from work orders and are confirmed with appropriate personnel, in accordance with workplace procedures
- 1.2** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations 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)/Material Safety Data Sheets (MSDS) 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 appropriate 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 manufacturer's instructions and workplace procedures
- 2.3** Cleaning equipment and accessories are operated, in accordance with manufacturer's instructions and workplace procedures
- 2.4** Industrial plant and equipment is cleaned, in accordance with the workplace procedures
- 2.5** Residual waste is directed to suitable disposal points, in accordance with workplace procedures and

		environmental legislation
	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 appropriate 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS211B 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 UEPOPS211 Clean plant and equipment

Modification History

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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, performance criteria and range of conditions on at least two separate occasions and includes:

- 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 legislation, industry standards, codes of practice and regulations
- directing residual waste to disposal points
- handling hazardous materials
- planning cleaning work
- protecting power generation plant or equipment
- selecting appropriate cleaning methods and using cleaning techniques and procedures on industrial plant and equipment
- using manufacturers' specifications and manuals
- using Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS)
- 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, performance criteria and range of conditions and includes knowledge of:

- cleaning equipment and accessories
- cleaning methods

- disposal points
- hazardous materials
- isolations
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- material handling procedures
- permit to work system
- protection of power generation plant and equipment
- Safety Data Sheets (SDS)/material safety data sheets (MSDS)
- types of cleaning agents, their properties and application
- WHS/OHS regulations including:
 - emergency procedures
 - hazard identification
 - Personal Protective Equipment (PPE)
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures

Assessment Conditions

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.

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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.

Links

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