



Australian Government

UEPOPS209 Perform process plant inspections

Release: 1

UEPOPS209 Perform process plant inspections

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 conduct an inspection of electric power generating plant and associated equipment.

An inspection is an organised examination of power generation plant and equipment exposed to conditions that can cause deterioration. Power generation plant and equipment should be inspected at regular intervals.

Competency in this unit requires the ability to inspect power generating plant, gain safe access to work area for inspection, conducting inspections and reporting and/or recording the results. 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 Prepare for power plant inspection

- 1.1** Maintenance and operating history for inspection is obtained, in accordance with workplace procedures for process plant to be inspected
- 1.2** Inspection requirements for power generation plant are determined and confirmed, in accordance with workplace procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations
- 1.3** Appropriate inspection check lists recording equipment and personal protective equipment are obtained, in accordance with workplace procedures for process plant to be inspected
- 1.4** Availability and access to power generation plant is determined, in accordance with workplace procedures and isolation processes
- 1.5** Hazards are identified in preparations for plant inspection and risk control measures are implemented, in accordance with workplace procedures

2 Inspect electric power generating plant

- 2.1** Power generation plant is inspected, in accordance with workplace procedures and industry standards
- 2.2** Power generation plant is identified and operational status is determined, in accordance with workplace procedures
- 2.3** Inspection is conducted using approved methods, in accordance with workplace procedures
- 2.4** Inspection requirements are completed, in accordance with workplace procedures

3 Complete documentation

- 3.1** Records are updated, in accordance with workplace procedures
- 3.2** Documentation is maintained, 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 UEPOPS209B Perform process plant inspections.

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 UEPOPS209 Perform process plant inspections

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:

- accessing records
- applying inspection procedures and techniques
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) legislation including:
 - emergency procedures
 - Personal Protective Equipment (PPE)
 - risk control measures
 - safe working practices
- complying with legislation, industry standards, codes of practice and regulations preparing for inspection of power generation plant
- conducting equipment isolation procedures
- recording and communicating inspection results
- undertaking inspection of power generation plant and equipment
- using manufacturers' specifications and manuals
- utilising inspection checklists
- working with 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:

- communication methods for inspection results
- inspection methods and techniques including protocols
- isolations
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system

- power generation inspection checklists
- power generation plant inspection records
- typical arrangements of power generation plant
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations including:
 - emergency procedures
 - Personal Protective Equipment(PPE)
 - risk control measures
 - safe working practices
- workplace policies and procedures
- workplace documentation

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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