



Australian Government

UEPOPS122 Perform process plant inspections

Release: 1

UEPOPS122 Perform process plant inspections

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 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, conduct inspections and report and/or record the results. Individuals will, in general, work under supervision, in a power generation facility as an operator.

Power generation plant operators are 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.

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| 1 Prepare for power plant inspection | <ul style="list-style-type: none">1.1 Maintenance and operating history for inspection is obtained for process plant to be inspected in accordance with workplace procedures1.2 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 monitored1.3 Inspection requirements for power generation plant are determined and confirmed in accordance with workplace procedures1.4 Relevant inspection checklists, recording equipment and personal protective equipment (PPE) are obtained in accordance with workplace procedures1.5 Availability and access to power generation plant is determined and isolation processes conducted in accordance with workplace procedures1.6 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 | <ul style="list-style-type: none">2.1 Power generation plant is inspected in accordance with workplace procedures2.2 Power generation plant is identified and operational status determined in accordance with workplace procedures2.3 Inspection is conducted using approved methods in accordance with workplace procedures2.4 Inspection requirements are completed in accordance with workplace procedures |
| 3 Complete documentation | <ul style="list-style-type: none">3.1 Records are updated in accordance with workplace procedures3.2 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 UEP Electricity Supply Industry – Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS209 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 UEPOPS122 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 and performance criteria on at least two separate occasions and include:

- 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 regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- conducting equipment isolation procedures
- preparing for inspection of power generation plant
- 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 and performance criteria and include knowledge of:

- arrangements of power generation plant
- communication methods for inspection results
- inspection methods and techniques, including protocols
- isolations
- permit to work system
- power generation inspection checklists

- power generation plant inspection records
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- manuals
- WHS/OHS requirements, including:
 - emergency procedures
 - PPE
 - risk control measures
 - safe working practices
- workplace policies and procedures
- workplace documentation.

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

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