



Australian Government

UEPOPS007 Conduct chemical batching operations

Release: 1

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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 mixing of chemicals for the treatment of a primary substance.

A chemical that is needed in the workplace in a small amount (i.e. a speciality chemical) is usually made through using a batching process. Considerable care with all compounds and substances must be undertaken when conducting chemical batching operations due to toxicity.

Competency in this unit requires the ability to plan work, perform chemical batching and the completion of work. Individuals will, in general, work as an operator in a power generation facility.

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.

1 Plan and prepare work

PERFORMANCE CRITERIA

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

- 1.1** Work requirements are identified and confirmed with relevant personnel in accordance with workplace procedures

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| | <ul style="list-style-type: none">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 monitored1.3 Potential hazards are identified, and risk control measures are selected in accordance with workplace procedures1.4 Resources, including safety data sheets (SDS) and personal protective equipment (PPE), are inspected and used in accordance with workplace procedures |
| 2 Perform chemical batching | <ul style="list-style-type: none">2.1 Staff are notified on commencement and completion of chemical batching work in accordance with workplace procedures2.2 Chemical requirements for batching are calculated in accordance with job requirement and workplace procedures2.3 Correct chemical is added to tank or chemical batching plant in accordance with workplace procedures2.4 Demineralised water is added to chemical batch to correct level in accordance with workplace procedures2.5 Mixing device is operated in accordance with workplace procedures2.6 Worksite is left clean and safe to ensure personnel safety and power generating plant integrity in accordance with workplace procedures |
| 3 Complete documentation | <ul style="list-style-type: none">3.1 Chemical batching problems are reported in accordance with workplace procedures3.2 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 UEP Electricity Supply Industry –Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS245 Conduct chemical batching operations.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>