



Australian Government

UEPOPS113 Operate fabric filter dust collection plant

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 operate, inspect and monitor fabric filter dust collection plant associated with coal fired power stations.

Dust collection plant is used to enhance the quality of air released from power generation processes. It consists of a blower, dust filter, a filter cleaning system and a dust receptacle or dust removal system.

Competency in this unit requires the ability to plan and prepare work; operate fabric filter dust collection plant; test, analyse, monitor, inspect and report dust collection plant faults; and complete documentation. 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 Plan and prepare work | <p>1.1 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</p> <p>1.2 Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures</p> <p>1.3 Inspection, preoperational checks and field preparations for fabric filter dust collection service are carried out in accordance with manufacturers' recommendations and specifications, and workplace procedures</p> <p>1.4 Fabric filter dust collection plant operational prerequisites are identified in accordance with manufacturers' recommendations and specifications, and workplace procedures</p> <p>1.5 Sequence for recommissioning fabric filter dust collection plant is determined in accordance with workplace procedures</p> |
| 2 Conduct fabric filter dust collection plant operation | <p>2.1 Fabric filter dust collection plant is operated in accordance with manufacturers' recommendations and specifications, and workplace procedures</p> <p>2.2 Fabric filter dust collection plant is monitored to detect deviations from normal operating conditions in accordance workplace procedures</p> <p>2.3 Corrective actions are taken to rectify fabric filter dust collection plant abnormalities in accordance with workplace procedures</p> |
| 3 Test fabric filter dust collection plant operation | <p>3.1 Tests are performed in accordance with workplace procedures</p> <p>3.2 Fabric filter dust collection plant is returned to required operational status upon completion of testing in accordance with workplace procedures</p> |
| 4 Analyse fabric filter dust collection plant faults | <p>4.1 Causes of abnormal fabric filter dust collection plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures</p> |

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| | 4.2 | Fabric filter dust collection plant integrity and personnel safety is maintained through consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures |
| 5 Monitor and inspect fabric filter dust collection plant | 5.1 | Fabric filter dust collection plant to be monitored or inspected is physically identified in accordance with workplace procedures |
| | 5.2 | Relevant personnel are notified when defects are detected in accordance with workplace procedures, |
| 6 Complete documentation | 6.1 | Fabric filter dust collection plant problems, movements and status are reported in accordance with workplace procedures |
| | 6.2 | 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 UEPOPS311 Operate fabric filter dust collection plant.

Links

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