



Australian Government

CPCPDR3024 Maintain and service domestic treatment plants and onsite sewerage facilities

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
New unit.

Application

This unit specifies the skills and knowledge required to maintain and service domestic treatment plants and onsite sewerage facilities.

The unit covers maintaining system components, conducting and analysing effluent quality tests and maintaining systems on new or existing domestic or commercial structures.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

CPCPDR4013 Design and size domestic treatment plant disposal systems

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Prepare for work. | 1.1 Identify and arrange work health and safety (WHS) and environmental requirements necessary to undertake the work. |
| | 1.2 Complete a site risk assessment, including hazards associated with exposure to wastewater and wastewater treatment facilities. |
| | 1.3 Develop procedures to minimise risk associated with identified hazards. |

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| 2 | Maintain components. | 2.1 | Check operation of pumps and aerators to identify maintenance requirements. |
| | | 2.2 | Perform maintenance of pump systems and components and aerators and replace as required. |
| | | 2.3 | Clean membranes, filters, UV light tubes and ozone-producing equipment where appropriate. |
| | | 2.4 | Measure sludge and scum levels in septic tanks and treatment plants. |
| | | 2.5 | Analyse and maintain land application areas and piping systems. |
| | | 2.6 | Determine appropriate procedures for loss of power and equipment failure. |
| | | 2.7 | Perform maintenance of relevant components and replace system devices where required. |
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| 3 | Conduct and analyse effluent quality tests. | 3.1 | Calibrate and use commercial testing equipment to conduct water quality tests and record results in accordance with legislative requirements. |
| | | 3.2 | Collect, prepare and send water samples to an accredited laboratory for effluent quality tests where appropriate. |
| | | 3.3 | Identify rectification work required from effluent quality test results. |
| | | 3.4 | Perform rectification work as required. |
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| 4 | Maintain systems. | 4.1 | Analyse and determine the correct treatment processes for a range of small decentralised treatment facilities. |
| | | 4.2 | Maintain a range of wastewater treatment facilities in compliance with legislation. |
| | | 4.3 | Maintain black and/or grey water systems to comply with end user, water and regulatory quality parameters. |

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| 5 Complete documentation and report outcomes. | 5.1 Complete service reports and correspondence outlining maintenance issues. |
| | 5.2 Provide advice to end user. |
| | 5.3 Produce an operation and maintenance schedule for end user. |
| | 5.4 Document and report outcomes to local authorities and property owners. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>