



Australian Government

NWPTRT003 Develop and manage a wastewater treatment plan

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Application

This unit involves the skills and knowledge required to develop and manage a wastewater treatment plan.

It includes planning and preparing for wastewater treatment and developing a management plan consistent with regulatory requirements. It also includes analysing system performance, liaising with stakeholders and reviewing and refining the plan.

This unit applies to leaders with responsibility for the management of the wastewater treatment processes. Those undertaking this unit would work autonomously, leading staff, while performing sophisticated tasks in a range of familiar contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Treatment

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan for wastewater treatment

PERFORMANCE CRITERIA

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

1.1 Identify, interpret and synthesise historic wastewater treatment information relevant to the management process

- 1.2 Interpret wastewater quality and quantity requirements according to relevant legislation and workplace procedures
 - 1.3 Identify and analyse legislation, workplace procedures, environmental requirements and system constraints impacting wastewater treatment
 - 1.4 Identify hazards, assess risks and implement control measures according to workplace procedures
 - 1.5 Identify and analyse stakeholder requirements impacting wastewater discharge environments
 - 1.6 Confirm performance measures for the wastewater treatment plan
 - 1.7 Identify and define available resources against wastewater treatment specifications
 - 1.8 Determine responsibilities and timelines for implementation activities
- 2 Develop wastewater treatment plan**
 - 2.1 Apply system specification requirements to wastewater treatment plan according to relevant legislation, industry standards and workplace procedures
 - 2.2 Assess public health, environmental and community factors impacting wastewater treatment
 - 2.3 Analyse performance data and incorporate into plan development
 - 2.4 Design and implement monitoring and testing programs according to the wastewater treatment plan
 - 2.5 Develop and document a plan for wastewater treatment
- 3 Implement wastewater treatment plan**
 - 3.1 Provide advice and guidance to plan users and stakeholders according to regulatory requirements and workplace procedures
 - 3.2 Manage resources to achieve the objectives of the wastewater treatment plan
 - 3.3 Operate the system according to the wastewater treatment plan and regulatory requirements
 - 3.4 Manage implementation of the changes identified to the

		wastewater treatment plan
4 Monitor and evaluate wastewater treatment	4.1	Evaluate collection of treated wastewater from customers by identifying, investigating and reporting deviations from agreed service levels
	4.2	Monitor information impacting planning processes according to workplace procedures
	4.3	Plan and oversee system maintenance according to the wastewater treatment plan
	4.4	Analyse and interpret monitoring and testing results and report according to regulatory requirements and workplace procedures
	4.5	Investigate breaches of usage provisions and report results and recommendations according to regulatory requirements and workplace procedures
	4.6	Identify and evaluate system changes to the wastewater treatment plan as a result of changes in regulatory and stakeholder requirements
	4.7	Modify and implement the wastewater treatment plan, incorporating accepted recommendations
5 Review and refine plan	5.1	Review objectives of wastewater treatment and implementation plans
	5.2	Make recommendations for changes to plan objective and operational and maintenance procedures
	5.3	Implement outcomes from audits and internal reviews

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.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>