



Australian Government

NWPTRT002 Develop and manage a treatment process monitoring program

Release: 1

NWPTRT002 Develop and manage a treatment process monitoring program

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 treatment process monitoring program.

It includes developing, implementing and coordinating treatment process monitoring programs and optimising processes and production. It also includes reporting on implementation and monitoring plans for treatment activities.

This unit applies to leaders with responsibility for the implementation of treatment management plans.

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 Develop and implement a treatment process

PERFORMANCE CRITERIA

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

1.1 Confirm performance measures for treatment management plans

monitoring program

- 1.2** Develop implementation plans according to legislation, industry standards, workplace procedures and environmental factors
 - 1.3** Design and implement monitoring and testing programs according to objectives of treatment management plans and workplace procedures
 - 1.4** Analyse, interpret and report testing results according to relevant legislation and workplace procedures
 - 1.5** Identify and investigate problems and potential problems, and report results and recommendations according to workplace procedures
 - 1.6** Store results and reports according to relevant legislation and workplace procedures
 - 1.7** Identify hazards, assess risks and implement control measures
- 2 Monitor and optimise the process and production**
 - 2.1** Monitor treatment process resource usage according to treatment management plans
 - 2.2** Implement incident action plans according to treatment management plans
 - 2.3** Identify, report and recommend opportunities for process performance improvements according to treatment management plans
 - 2.4** Advise and communicate to relevant stakeholders according to relevant legislation and workplace procedures
 - 2.5** Review, interpret and action stakeholder and customer requirements according to treatment management plans
 - 2.6** Identify and investigate breaches of treatment management plan provisions with results and recommendations reported and actioned according to relevant legislation and workplace procedures
- 3 Report on implementation and monitoring of the plan**
 - 3.1** Identify, investigate and report deviations from planned treatment parameters and management plan requirements
 - 3.2** Review objectives of the treatment process monitoring

program and make recommendations for changes to plan objectives and operational 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.

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>

Assessment Requirements for NWPTRT002 Develop and manage a treatment process monitoring program

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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 one occasion and includes:

- assessing environmental factors
- assessing public health impacts
- conducting investigations
- coordinating measuring and testing activities
- gathering, interpreting and synthesising information including:
 - historical data
 - relevant legislation
 - industry standards
 - stakeholder requirements
 - results of treatment testing and monitoring
- monitoring and evaluating the outcomes of the treatment processes management plan
- planning and implementing testing processes and programs
- preparing reports and recommendations for future action
- providing advice and communicating with stakeholders and customers
- using mathematical and scientific techniques to interpret test results

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 includes knowledge of:

- investigation procedures
- multiple barrier approach to water quality
- measuring and testing procedures
- relevant legislation, industry standards and workplace procedures
- relevant workplace documentation
- risk management principles
- stakeholder requirements

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 suitable workplace operational situations. Where this is not appropriate, assessment must occur in suitable simulated workplace operational situations reflecting actual 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:

- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment currently used in industry
- applicable relevant documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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