



Australian Government

NWPGEN017 Apply the risk management principles of the water industry standards, guidelines and legislation

Release: 1

NWPGEN017 Apply the risk management principles of the water industry standards, guidelines and legislation

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 apply the risk management principles of the water industry standards, guidelines and legislation.

It includes identifying relevant guidelines of the water industry, describing risk management principles for the control of contaminants in the water cycle, applying principles to work context and reviewing and evaluating water quality management principles. It also includes complying with risk management principles established in relevant guidelines for the water industry which contribute to the improved management of water supply systems and the reduction of water quality risks.

This unit supports the attainment of skills and knowledge required for those working in all roles in the water industry. Those undertaking this unit would work under appropriate supervision, while performing routine tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

General

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Identify relevant guidelines of the water industry

1.1 Identify and follow relevant guidelines and legislative requirements

1.2 Identify the key features and elements or relevant water guidelines

2 Identify risk management principles for control of contaminants in the water cycle

2.1 Identify the main components of workplace water systems

2.2 Identify relevant risks and hazards utilising workplace risk management principles

2.3 Identify the general function of controlling contaminants in the water system with the use of multiple barrier principles

3 Apply principles to work context

3.1 Identify requirements for the workplace water quality management plan

3.2 Identify the links between the regulatory framework and work practices

3.3 Apply the principles to work practices

3.4 Follow workplace procedures for recording water quality incidents

3.5 Participate in continuous improvement of work practices to achieve water quality outcomes

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to NWPGEN001 Apply the risk management principles of the water industry standards, guidelines and legislation.

Links

Companion Volume implementation guides are found in VETNet -

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

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Assessment Requirements for NWPGEN017 Apply the risk management principles of the water industry standards, guidelines and legislation

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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:

- accessing and interpreting risk management principles
- completing workplace documentation of water quality incidents
- identifying risk control measures
- identifying the main functions of a water supply system
- listing the requirements of risk management plans
- maintaining records of water quality incidents
- undertaking hazard identification and risk assessment on a specific project or worksite.

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:

- chronic and acute health impacts from human exposure to contaminants in water
- principles of relevant guidelines
- relationship between guidelines, water quality management plans and work practices
- relationships between guidelines and state and territory regulatory requirements
- relevant legislation, regulations and workplace procedures
- water cycle
- water quality risk assessment and control procedures
- water quality risk factors and performance indicators
- workplace risk management procedures

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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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