

Title	Demonstrate knowledge of risks and risk management in wastewater and stormwater networks		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to demonstrate knowledge of risks and risk management in wastewater and stormwater networks.
----------------	---

Classification	Infrastructure Works > Pipeline Construction and Maintenance
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes:
Health and Safety at Work Act 2015;
Resource Management Act 1991;
Hazardous Substances and New Organisms Act 1996;
and any subsequent amendments.
- 3 Definitions
Events refer to unplanned circumstances that negatively affects the network's performance. Events may include – flooding, water ingress, mechanical malfunction, natural disaster, illegal discharge, illegal trade waste, hydraulic overloading, toxicity overloading, computer or programmable logic controller (PLC) system malfunction, electricity disruption, human intervention.
Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
Stormwater may include open channels, ponds, or gardens.
Wastewater may include domestic wastewater, trade wastewater, or other sewerage systems.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of risks and risk management in wastewater and stormwater networks.

Range evidence of two events for each type of water is required.

Performance criteria

1.1 Risks are described in terms of events that may occur, their causes, and potential consequences.

1.2 The remediation and management of events are described.

1.3 Contingency plans to prevent the re-occurrence of events are described.

1.4 The impact of legislation on the management of risks, including non-compliance, is explained.

Range Resource Management Act 1991, Hazardous Substances and New Organisms Act 1996, Health and Safety at Work Act 2015.

1.5 The principles of risk management are described in terms of their impact on development of organisational procedures for the management of wastewater and stormwater networks.

Planned review date	31 December 2026
---------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.