

Title	Demonstrate knowledge of bypasses for pipeline construction and maintenance		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to demonstrate knowledge of bypasses for pipeline construction and maintenance.
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Classification	Infrastructure Works > Pipeline Construction and Maintenance
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Available grade	Achieved
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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 and any subsequent amendments.
- 3 Definition
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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of bypasses for pipeline construction and maintenance.

Performance criteria

- 1.1 Purposes of bypasses are explained in terms of the requirements of pipeline construction and maintenance.
- 1.2 Methods of temporarily removing the flow between two points on a pipeline are described, and their suitability for specific situations are explained.

- 1.3 Limitations of bypasses are explained in relation to pump, hose or pipe capabilities, operational situations, and terrain.
- 1.4 Risk factors in maintaining bypasses are explained in terms of potential consequences.
- Range three risk factors.
- 1.5 Measures to control the risk factors are explained.

Replacement information	This unit standard and unit standard 32810 replaced unit standard 25445.
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Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions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
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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.