

Title	Demonstrate knowledge of environmental care and protection on infrastructure worksites		
Level	2	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of environmental care and protection on infrastructure worksites.
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Classification	Infrastructure Works > Generic Infrastructure Works
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Available grade	Achieved
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Guidance Information

1 Learning and assessment for this unit standard must be in accordance with the following:

- Health and Safety at Work Act 2015;
- Resource Management Act 1991;
- Heritage New Zealand Pouhere Taonga Act 2014;
- Resource Management (National Environmental Standards for Plantation Forestry) Regulations 2017 (forestry earthworks regulations 22-35); and all subsequent amendments and replacements.

2 Definitions

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

Controls refer to methods or procedures used to prevent, remedy or mitigate environmental impact.

Industry Guidelines refer to local authority guidelines such as Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region commonly known as GDO5.

Infrastructure worksite refers to a site with activity relating to any of: the construction and maintenance of infrastructure assets such as road, rail, port, airport, and utilities; demolition; bulk earthworks; quarrying; asphalt production; and bitumen storage and application.

Mana whenua values refer to an understanding of mauri and the practical application of mana whenua values in the appropriate context.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of environmental care and protection on infrastructure worksites.

Performance criteria

- 1.1 Types of land disturbance activities that impact on infrastructure worksites are explained in accordance with industry guidelines.
- 1.2 Types of discharge or potential contaminants that could cause a negative environmental impact are explained in terms of controls.
- Range types of discharge may include but is not limited to – discharge to air, discharge to water, discharge to land;
potential contaminants may include – dirt, milk, hot water, concrete, concrete cutting, fuel, fuel storage, hydraulic fluids, chemicals, chemical storage, asphalt and emulsion, atmospheric conditions, dust, odour/emissions, washing wastes, cesspits, storm water retention basins;
evidence of 5 different examples from the range is required.
- 1.3 The importance of mana whenua values for the protection of the local environment are explained in accordance with industry guidelines.
- 1.4 Legislation and industry guidelines that inform good environmental care and protection are described in terms of purpose and location.
- Range Resource Management Act 1991 Heritage Taonga, National Environmental Standards for Plantation Forestry, local authority guidelines, Chipsealing NZ, Conservation Act 1987, Historic Places Act 1993, Fisheries Act 1996, Transport Act 1998 Hazardous Substances and New Organism Act 1996 (HSNO), Biosecurity Act 1993, Reserves Act 1977.
- 1.5 New Zealand organisations that inform good environmental care and practice in the workplace are described in terms of purpose.
- Range Environmental Protection Authority Civil Contractors New Zealand, Worksafe NZ, Regional Councils.
- 1.6 Methods for communicating potential hazards that could impact on the worksite environment are explained in terms of who to contact, and the mode of communication, in accordance with company requirements.
- 1.7 Procedures for contamination incidents are located, and the disposal of contaminated materials, cleaning of contaminated tools and equipment, and site restoration are explained in terms of company requirements.
- 1.8 The purpose of an erosion and sediment control (ESC) and maintenance plan for an infrastructure worksite is explained in terms of compliance.

- 1.9 Non-compliance with requirements for environmental good practice on infrastructure worksites, including lack of reporting, is explained in terms of consequences.

Range includes but is not limited to – abatement notice local authority enforcement officer issued directive, laying of information (administering authority takes prosecution), infringement notice, powers of enforcement agents.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 October 2019	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.