

Title	Demonstrate knowledge of the environmental effects of a specific extractive site and related legislative requirements		
Level	5	Credits	6

Purpose	People credited with this unit standard are able to: explain the effects of an extractive site on the environment; demonstrate knowledge of legislation affecting environmental requirements of an extractive site; explain the requirements in an environmental emergency at an extractive site; and explain the environmental requirements for a specific extractive site.
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Classification	Extractive Industries > Extractive Industries Management
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Available grade	Achieved
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Guidance Information

- Performance of the outcomes of this unit standard must comply with the following:
Resource Management Act 1991 (RMA);
Conservation Act 1987;
Heritage New Zealand Pouhere Taonga Act 2014;
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
approved codes of practice issued pursuant to the HSW Act.
- Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definition
Industry best practice may be documented in management plans, control plans, company procedures, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, and safe working and/or job procedures (or equivalent).

Outcomes and performance criteria

Outcome 1

Explain the effects of an extractive site on the environment.

Performance criteria

- 1.1 Natural and cultural heritage resources associated with a commercial extractive site are identified.
- Range resources may include but are not limited to – plants, animals, ecosystems, landforms, water, soil, air, rock, heritage features.
- 1.2 The positive environmental effects are explained in terms of the operation of an extractive site.
- Range effects may include but are not limited to – social and economic well-being, clean water, wildlife habitat, land stability, recreation, flood mitigation, increased biodiversity, rehabilitation management and land-use conversion.
- 1.3 The potential adverse environmental effects are explained in terms of operations of an extractive site.
- Range effects may include but are not limited to – erosion, soil displacement, reduced water quality, reduced air quality, negative impacts on aquatic life, compaction, damage to historic sites, damage to neighbouring properties, damage to physical resources, public impressions, reduced quality of visual amenity, ground vibration, air blast, noise, land-use conversion, loss of habitat and vegetation removal.

Outcome 2

Demonstrate knowledge of legislation affecting environmental requirements of an extractive site.

Performance criteria

- 2.1 The purpose and principles of the RMA are explained in terms of their application to an extractive site.
- 2.2 Responsibilities under the RMA are explained in terms of relevance to an extractive site.
- 2.3 The term ‘contaminant’, as defined under the RMA, is explained in relation to the extractive industries.
- 2.4 Requirements of the RMA are explained in terms of the discharge of contaminants.
- 2.5 The objectives of the Conservation Act are explained in terms of their application to an extractive site.
- 2.6 Responsibilities under the Conservation Act are explained in terms of their application to an extractive site.

- 2.7 Heritage New Zealand Pouhere Taonga Act 2014 is explained in terms of its purpose and principles.
- 2.8 Responsibilities under the Heritage New Zealand Pouhere Taonga Act 2014 are explained in relation to the discovery of a historic site.

Outcome 3

Explain the requirements in an environmental emergency at an extractive site.

Performance criteria

- 3.1 The terms 'environmental incident' and 'environmental emergency' are explained in relation to an extractive site.
- 3.2 Remedial action and reporting requirements for an environmental incident or environmental emergency are explained in accordance with industry best practice and legislative requirements.
- 3.3 The liabilities and penalties are explained in relation to environmental legislation.

Range penalty provisions – fines and imprisonment.

Outcome 4

Explain the environmental requirements for a specific extractive site.

Range may include but are not limited to – land preparation, site water management, site roading, extractive site rehabilitation, waste management, air quality management, spontaneous combustion.

Performance criteria

- 4.1 The environmental requirements relating to the specific extractive site are explained in accordance with industry best practice.

Replacement information	This unit standard and unit standard 25876 replaced unit standard 20732.
Planned review date	31 December 2022

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 August 2009	31 December 2017
Review	2	18 June 2015	N/A
Rollover and Revision	3	1 March 2018	N/A

Consent and Moderation Requirements (CMR) reference

0114

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

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.