

Title	Describe the effects of an extractive site on the environment and related requirements and responsibilities		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: describe environmental resources and the environmental effects an extractive site has on the environment; and describe employee requirements and responsibilities relating to the environment at an 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;
Health and Safety at Work Act 2015;
Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016;
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.
- Definitions
Company procedures mean the documented methods for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to legislation, regulations, guidelines, standard operating procedures, manuals, codes of practice, or policy statements.
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

Describe environmental resources and the environmental effects an extractive site has on the environment.

Performance criteria

1.1 Natural and cultural heritage resources are identified and described in relation to a commercial extractive site.

Range resources may include but are not limited to – plants, animals, ecosystems, landforms, water, soil, air, heritage features.

1.2 The potential positive effects on the environment are described in terms of the operation of an extractive site.

Range effects may include but are not limited to – social and economic well-being, recreation, clean water, wildlife habitat, flood mitigation, land stability, land-use conversion, increased biodiversity, rehabilitation management.

1.3 The potential adverse environmental effects are described in terms of the operation 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, soil compaction, damage to historic sites, damage to neighbouring properties, damage to physical resources, public impressions, reduced quality of visual amenity, ground vibration, air blast, land-use conversion, loss of habitat, vegetation removal.

Outcome 2

Describe employee requirements and responsibilities relating to the environment at an extractive site.

Performance criteria

2.1 The RMA and resource consents are described in terms of an extractive site employee's responsibilities.

2.2 The terms 'environmental incident' and 'environmental emergency' are described in accordance with industry best practice, legislative requirements, and company procedures.

2.3 Remedial action and reporting requirements are described for an environmental incident or environmental emergency in accordance with industry best practice, legislative requirements, and company procedures.

2.4 The liabilities and penalties are explained in relation to environmental legislation.

Range penalty provisions – fines and imprisonment.

Replacement information	This unit standard and unit standard 25877 replaced unit standard 20732.
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Planned review date	31 December 2022
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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	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0114
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.