

<b>Title</b>	<b>Demonstrate and apply knowledge of requirements and procedures to minimise environmental impact at an extractive site</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of environmental approvals relevant to an extractive site; identify potential sources of pollution from an extractive site and describe methods to minimise them; and control day-to-day operations to ensure compliance with relevant environmental approvals at an extractive site.
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<b>Classification</b>	Extractive Industries > Extractive Industries Management
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Performance of the outcomes of this unit standard must comply with the following:  
Crown Minerals Act 1991;  
Health and Safety at Work Act 2015 (HSW);  
Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;  
Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016;  
Health and Safety at Work (Worker Engagement, Participation, and Representation) Regulations 2016;  
Health and Safety at Work (Hazardous Substances) Regulations 2017 and related Safe Work Instruments (SWIs) published by WorkSafe NZ;  
approved codes of practice issued pursuant to the HSW Act;  
Hazardous Substances and New Organisms Act 1996 (HSNO);  
Resource Management Act 1991.
- 2 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.
- 3 Definition  
*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.
- 4 This unit standard is intended for, but is not limited to, workplace assessment.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of environmental approvals relevant to an extractive site.

#### Performance criteria

1.1 Environmental approvals relevant to a specific extractives site are explained in terms of their relevance to operations at that site.

Range environmental approvals may include but are not limited to – consents, approvals, access arrangements, concessions, existing use.

### Outcome 2

Identify potential sources of pollution from an extractive site and describe methods to minimise them.

#### Performance criteria

2.1 Potential sources of pollution from extractive operations are identified in accordance with relevant environmental approvals.

Range sources of pollution may include but are not limited to – dust, noise, vibration, wash water, storm water runoff, settling pond residue, light, vehicle movements, visual.

2.2 Procedures used to ensure compliance with relevant environmental approvals are described in relation to different sources of pollution.

Range procedures may include but are not limited to – water cart, sprays, shutdown, bunds, water treatment, sediment ponds, diversions, dams, pumping.

### Outcome 3

Control day-to-day operations to ensure compliance with relevant environmental approvals at an extractive site.

#### Performance criteria

3.1 Control methods are used during day-to-day operations to control pollution in accordance with relevant environmental approvals and company procedures.

Range three control methods.

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<b>Planned review date</b>	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	18 June 2015	31 December 2020
Rollover and Revision	2	25 January 2018	31 December 2020
Review	3	26 March 2020	31 December 2020
Reinstatement	4	28 May 2020	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

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](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.