

Title	Operate and maintain stockpiles and tipheads at extractive sites		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: demonstrate knowledge of hazards and controls associated with stockpiling and tipheads at extractive sites; follow and recommend modifications for a stockpiling management plan at an extractive site; and follow and recommend modifications for a tiphead management plan 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:
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;
approved codes of practice issued pursuant to the HSW Act;
WorkSafe NZ's Good Practice Guidelines for the extractives industries, including *Health and Safety at Opencast Mines, Alluvial Mines and Quarries Good Practice Guidelines 2015*, available from <http://www.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/>.
- 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**
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.
- This unit standard is intended for, but is not limited to, workplace assessment.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of hazards and controls associated with stockpiling and tipheads at extractive sites.

Performance criteria

- 1.1 The requirements for risk assessments and safety management systems are explained in accordance with legislation, including the Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016.

Range includes but is not limited to – live stockpiles, static stockpiles, waste dumps, vehicle interactions, traffic management, hard controls, lighting, communications, signage, drainage, stability.

Outcome 2

Follow and recommend modifications for a stockpiling management plan at an extractive site.

Performance criteria

- 2.1 Stockpiling methods and layouts are followed, maintained, and modified where applicable in accordance with company's safety and efficiency requirements.

Range may include but is not limited to – stockpile shape and type, spacing between stockpiles, blending requirements, traffic management, consent conditions, dumping and reclaiming methods, spontaneous combustion.

- 2.2 Modifications are recommended in response to climatic conditions and wind direction in accordance with company procedures.

Outcome 3

Follow and recommend modifications for a tiphead management plan at an extractive site.

Performance criteria

- 3.1 Tipping methods and tiphead layouts are followed, maintained, and modified where applicable in accordance with company's safety and efficiency requirements.

Range may include but is not limited to – tiphead process and location, stability, drainage, traffic management, consent conditions, dumping and reclaiming methods, spontaneous combustion, rehabilitation.

- 3.2 Modifications are recommended in response to climatic conditions and wind direction in accordance with company procedures.

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	26 November 1996	31 December 2017
Revision	2	17 December 1996	31 December 2017
Revision	3	18 December 1998	31 December 2017
Revision	4	17 April 2002	31 December 2017
Review	5	27 January 2005	31 December 2017
Rollover and Revision	6	16 July 2010	31 December 2017
Review	7	18 June 2015	31 December 2019
Review	8		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.