

Title	Operate and maintain stockpiles storage for product processed and <u>tipheads</u> at extractive sites		
Level	4	Credits	8

Purpose	<p>People credited with this unit standard are able to: demonstrate <u>knowledge of hazards and controls associated with stockpiling and tipheads at extractive sites</u> knowledge of the output requirements for stockpiling processed product at extractive sites; and follow and <u>recommend modify modifications for</u> a stockpiling <u>layout management</u> plan at an extractive site in response to ongoing conditions; and follow and <u>recommend modifications for a tiphead management plan at an extractive site</u>.</p>
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Classification	Extractive Industries > Extractive Industries Management
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Available grade	Achieved
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Guidance Information
Explanatory notes

- 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~~
~~Health and Safety in Employment Act 1992 (HSE);~~
~~Health and Safety in Employment Regulations 1995;~~
~~Health and Safety in Employment (Mining Operations and Quarrying Operations) Regulations 2013;~~
~~approved codes of practice issued pursuant to the HSE 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/Guidelines-for-the-Control-of-Dust-and-Associated-Hazards-in-Surface-Mines-and-Quarries>; and *Guidelines for the Control of Hazards in Stockpiles and Dumps*, available at <http://www.minex.org.nz>.~~
- 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.

Outcomes and ~~performance criteria~~evidence requirements

~~Outcome 1~~

~~Demonstrate knowledge of the output requirements for stockpiling processed product at extractive sites.~~

~~Evidence requirements~~

~~1.1 Market demands are identified in terms of quantity and product type in accordance with company procedures.~~

~~1.2 Site output requirements are determined in accordance with production capacity.~~

Outcome 1

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

Performance criteria

Evidence requirements

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 ~~modify~~ modifications for a stockpiling layout ~~management~~ plan at an extractive site ~~in response to ongoing conditions~~.

Performance criteria

Evidence requirements

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 ~~made~~ 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 2019 <u>2022</u>
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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	N/A <u>31 December 2019</u>
<u>Review</u>	<u>8</u>		<u>N/A</u>

Consent and Moderation Requirements (CMR) reference

0114

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

Please note

~~Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.~~

~~Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.~~

~~Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.~~

~~Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.~~

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.~~

~~Please contact the NZ Motor Industry Training Organisation (Incorporated) (MITO) info@mito.org.nz if you wish to suggest changes to the content of this unit standard.~~