

Title	Develop, implement, and review maintenance plans for an extractive site		
Level	6	Credits	20

Purpose	People credited with this unit standard are able to: identify and quantify maintenance requirements; develop a maintenance plan; implement a maintenance plan; and review a maintenance plan, for 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

Explanatory notes

- 1 Performance of the outcomes of this unit standard must comply with the following:
Building Act 2004;
Hazardous Substances and New Organisms Act 1996 (HSNO);
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;
Mines Rescue Act 2013;
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.

- 32 **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.
Maintenance activities refer to regular servicing periods and scheduled maintenance.

Outcomes and performance criteria~~evidence requirements~~

Outcome 1

Identify and quantify maintenance requirements for an extractive site.

Performance criteria

~~Evidence requirements~~

- 1.1 Specified maintenance activities are identified in accordance with manufacturer's specifications and company procedures.
- Range plant, vehicles, equipment.
- 1.2 Maintenance requirements are quantified in accordance with manufacturer's specifications and company procedures.
- Range parts replacement, types of lubricants, component tolerances.
- 1.3 Resource constraints are identified in terms of quantity and availability.
- Range may include but ~~are~~^{is} not limited to – trained personnel, budget, equipment, plant, time, materials.

Outcome 2

Develop a maintenance plan for an extractive site.

Performance criteria

~~Evidence requirements~~

- 2.1 The maintenance plan includes the maintenance requirements for all plant, vehicles, and equipment for the extractive site.
- Range materials, required sources of supply, time-frames for availability, regulatory requirements for safety, technical integrity.
- 2.2 The maintenance plan identifies the persons or organisations responsible for maintenance activities for plant, vehicles, and equipment.
- 2.3 The maintenance plan includes a schedule of maintenance activities for plant; vehicles; equipment; recording, and reporting requirements; contingency actions; and review requirements.
- 2.4 The maintenance plan meets the company policy for cost-effectiveness and productivity.
- Range may include but is not limited to – scheduling, spare parts requirements, repair provision.
- 2.5 The maintenance plan is checked to ensure that it meets company, safety, and regulatory requirements.

Outcome 3

Implement a maintenance plan at an extractive site.

Performance criteria
Evidence requirements

- 3.1 Resources required to implement the maintenance plan are available in accordance with plan requirements.

Range resources may include but are not limited to – materials, spare parts, and trained personnel.
- 3.2 Maintenance activities are monitored for compliance with the maintenance plan.
- 3.3 Contingency actions are implemented where required and maintenance activities are re-aligned with the plan.

Range may include but is not limited to – use of alternative equipment, use of sub-contractors, servicing of equipment.
- 3.4 Recording and reporting requirements are carried out in accordance with plan requirements and company procedures.

Outcome 4

Review a maintenance plan for an extractive site.

Performance criteria
Evidence requirements

- 4.1 The plan is evaluated in relation to the maintenance requirements, maintenance cycle, and effectiveness of implementation of the plan.
- 4.2 Recommendations made as a result of the review of the plan provide solutions to improve maintenance programme for the extractive site.

Planned review date	31 December 20 20 <u>21</u>
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 April 2007	N/A <u>31 December 2019</u>
<u>Review</u>	<u>2</u>		<u>N/A</u>

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>.

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.~~