Title	**Describe and operate a hopper/cable reel car at a surface extraction site**		
Level	**3**	**Credits**	**6**

Purpose	People credited with this unit standard are able to: describe the operational characteristics and performance of a hopper/cable reel car, and safe work practices and conditions for operating a hopper/cable reel car; check readiness and operate a hopper/cable reel car, and clear and shut down a hopper/cable reel car, and complete documentation; at a surface extraction site.

Classification	Extractive Industries > Surface Extraction

Available grade	Achieved

Guidance Information

1 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 (Worker Engagement, Participation, and Representation) Regulations 2016;
Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016;
approved codes of practice issued pursuant to the HSW Act.

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 Definitions
Industry best practice refers to those practices which competent practitioners within the industry recognise as current industry best practice. These may be documented in management plans, company procedures or requirements, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, and safe working and/or job procedures (or equivalent).
Site requirements mean the documented methods for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

Outcomes and performance criteria

Outcome 1

Describe the operational characteristics and performance of a hopper/cable reel car at a surface extraction site.

Performance criteria

1.1 The operational characteristics and performance of a hopper/cable reel car are described in terms of its operation at a surface extraction site.

Range raw material, machine types, power source and supply, material transfer systems, conveyor support structure, conveyor transport, controls and interlocks, operating procedures, start-up.

1.2 The type of material handling is described in terms of its association with the hopper/cable reel car.

Range belt wagon or bucket wheel excavator discharge conveyors, bench conveyors, transfer points, grizzly.

1.3 The mining plan is described in accordance with the mine objectives.

1.4 The shift plan and requirements are described in accordance with the mining plan.

Range production, product quality, housekeeping.

Outcome 2

Describe safe work practices and conditions for operating a hopper/cable reel car at a surface extraction site.

Performance criteria

2.1 The adjustments, maintenance, and checks to be carried out by the operator are described in accordance with industry best practice.

Range adjusting skirts at transfer points, cleaning the grizzly, replacement of the grizzly, oversize removal, adjusting the cable reel cable, car wheel rail alignment, re-positioning after derailment procedures, pre-start checks.

2.2 The safety systems are described in relation to the operation of hopper/cable reel car operation.

Range fire fighting, alarms, communications, emergency stops, trip-out re-set, safety features, approach/dismounting machine, isolation procedures, interlocks.

Outcome 3

Check readiness and operate a hopper/cable reel car at a surface extraction site.

Performance criteria

3.1 Checks and adjustments on a hopper/cable reel car are completed in accordance with industry best practice.

Range adjusting skirts at transfer points, cleaning the grizzly, replacement of the grizzly, oversize removal, adjusting the cable reel cable, car wheel rail alignment, re-positioning after derailment procedures, pre-start checks, documentation.

3.2 Identified defects are reported and managed in accordance with industry best practice and/or site requirements.

3.3 Hopper/cable reel car is operated in accordance with industry best practice.

Range fire fighting, alarms, communications, emergency stops, trip-out re-set, safety features, approach/dismounting machine, isolation procedures, interlocks.

Outcome 4

Clear and shut down a hopper/cable reel car, and complete documentation.

Performance criteria

4.1 Hopper/cable reel car is cleared in accordance with industry best practice.

Range going off feed, shut-down procedures.

4.2 Hopper/cable reel car is shut down in accordance with industry best practice.

4.3 Identified defects are reported and managed in accordance with industry best practice.

Range machine and associated equipment inspections, bench condition, rail alignment, interlocks and controls, cable setting and condition.

4.4 Documentation is completed in accordance with industry best practice and/or site requirements.

Range operator logsheets, hazard reports, defect reports.

Planned review date	31 December 2022

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	31 July 2001	31 December 2019
Review	2	23 September 2005	N/A
Rollover and Revision	3	16 July 2010	N/A
Rollover and Revision	4	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0114

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.