

Title	Describe and operate moveable conveyors at a surface extraction site		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: describe the types, operational characteristics, and performance of moveable conveyors; locate the positions of components of a moveable conveyor; describe safe work practices and conditions for operating a moveable conveyor; describe track-shifting and set-up of moveable conveyors; check readiness and operate a moveable conveyor; and shut down a moveable conveyor and complete documentation, at a surface extraction site.
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Classification	Extractive Industries > Surface Extraction
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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 enactments and codes:
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.
- 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.
- 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.

4 This unit standard is intended for, but is not limited to, workplace assessment.

Outcomes and performance criteria

Outcome 1

Describe the types, operational characteristics and performance of moveable conveyors at surface extractive sites.

Performance criteria

1.1 The types of moveable conveyors are described in terms of their use at surface extraction sites.

1.2 The operational characteristics and performance of moveable conveyors are described in terms of their operation at surface extraction sites.

Range conveyor structure and drives, power source and supply, transfer systems, start-up, interlocks, controls, operating procedures.

Outcome 2

Locate the positions of components of a moveable conveyer.

Performance criteria

2.1 The positions of components are located in relation to the control room and local control system.

Range may include but is not limited to – motors, gearboxes, fluid couplings, starters, cut-out switches, trips, platforms, exits, entrances.

Outcome 3

Describe safe work practices and conditions for operating a moveable conveyer at surface extraction sites.

Performance criteria

3.1 Safe work practices and conditions for moveable conveyer operation are described in accordance with industry best practice.

Range safety devices, fire fighting, belt tracking, transfer points, chute wear, troughing and return rollers, drive couplings, noise and vibration, safety guards, emergency stops, resets, interlocks.

Outcome 4

Describe track-shifting and set-up of moveable conveyors.

Performance criteria

4.1 The methods are described in terms of set-up, pivoting, and parallel track-shifting of moveable conveyors.

Range preparatory work, survey sights, track-shift methods, set-up of power cables, positioning of drivehead and tailpiece, reconnection of power cables, power-up, 'dry' running.

Outcome 5

Check readiness and operate a moveable conveyor at a surface extraction site.

Performance criteria

5.1 Checks on a moveable conveyer are completed in accordance with industry best practice.

Range pre-start checks, safety guards, belt joints, regular check list, belt condition, walkways and handrails, belt scrapers, conveyor drive equipment, transfer points and adjusting of skirts, adjusting or changing idlers, shovelling under conveyor; documentation.

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

5.3 Isolating switches are checked for working order in accordance with isolation procedures, manufacturer's instructions and industry best practice.

5.4 Moveable conveyer is operated in accordance with the job requirements and manufacturer's specifications.

Range operation includes but is not limited to – manual and automatic control, rope and connection care, winding speed.

Outcome 6

Shut down a moveable conveyor at a surface extraction site and complete documentation.

Performance criteria

6.1 Conveyor is shut down in accordance with industry best practice.

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

Range may include but is not limited to – lubrication points, housekeeping, replacement of worn and damaged conveyor belts, vee belts, skirting, idlers and other components, belt tracking.

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

Range may include but is not limited to – operator logsheets, hazard reports, defect reports.

Replacement information	This unit standard replaced unit standard 17987.
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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	23 September 2005	31 December 2019
Rollover and Revision	2	16 July 2010	N/A
Rollover and Revision	3	25 January 2018	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.