

<b>Title</b>	<b>Maintain screens on production plant at an extractives site</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able, at an extractives site, to: describe the process of screen media replacement; describe hazards and controls associated with screen media replacement; monitor screen media wear; carry out screen media maintenance or replacement; and carry out maintenance work on other components of screens and test-run screen.
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<b>Classification</b>	Extractive Industries > Extractive Industries Management
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<b>Available grade</b>	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 (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;
  - 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 <https://worksafe.govt.nz/>.
- Definition
 

*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, industry best practice or requirements, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, safe working and/or job procedures (or equivalent).

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## Outcomes and performance criteria

### Outcome 1

Describe the process of screen media replacement at an extractives site.

**Performance criteria**

1.1 The reason for screen media replacement is identified in accordance with industry best practice.

Range end product type, end product quality, feed product type.

1.2 Location of screen media to be replaced is identified and explained in accordance with industry best practice.

1.3 The method of procurement of screen media is described in accordance with industry best practice.

Range existing stock, quality checks for suitability.

**Outcome 2**

Describe hazards and controls associated with screen media replacement at an extractives site.

**Performance criteria**

2.1 Significant hazards are described in relation to screen replacement.

Range significant hazards must include but are not limited to – nip and/or pinch points, stored energy, moving parts, falling objects, working at heights, poor housekeeping, unplanned movement, inappropriate use of equipment.

2.2 Methods of controlling the hazards identified in performance criterion 2.1 are described in accordance with industry best practice.

**Outcome 3**

Monitor screen media wear at an extractives site.

**Performance criteria**

3.1 Life of screen media is monitored in relation to wear.

Range date installed, operational period, historical life of screen media.

3.2 Screen surfaces are inspected in relation to identification of faults.

Range may include but is not limited to – worn spots, broken wires, loose screen, tension devices.

**Outcome 4**

Carry out screen media maintenance or replacement at an extractives site.

**Performance criteria**

- 4.1 Personal protective equipment is selected, fitted, and worn throughout the maintenance process in accordance with industry best practice.
- Range may include but is not limited to – overalls, safety boots, hardhat, safety glasses, gloves, earmuffs.
- 4.2 Plant or section of plant to be maintained is immobilised in accordance with industry best practice.
- 4.3 Screen media is maintained in accordance with manufacturer’s instructions and industry best practice.
- 4.4 Screen media is replaced in accordance with industry best practice and manufacturer’s instructions.

**Outcome 5**

Carry out maintenance work on other components of screens and test-run screen at an extractives site.

**Performance criteria**

- 5.1 Drive mechanisms are inspected and maintained in accordance with manufacturer’s instructions and industry best practice.
- Range may include but is not limited to monitoring of – oils, high operating temperatures, daily temperature changes, belt distortion when rolled or stretched on to the sheave grooves, belt misalignment, belt slippage, belt adjustment.
- 5.2 Bearings are inspected and lubricated in accordance with manufacturer’s instructions and industry best practice.
- Range operating conditions, intervals for greasing bearings, no dirt contamination of bearings.
- 5.3 Screen is started up and product fed through in accordance with industry best practice.
- Range may include but is not limited to – screen operation, test run, re-tension screen, product size, product quality.

<b>Planned review date</b>	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 2019
Revision	2	17 December 1996	31 December 2019
Revision	3	18 December 1998	31 December 2019
Revision	4	17 April 2002	31 December 2019
Review	5	27 January 2005	31 December 2019
Review	6	21 August 2009	N/A
Rollover and Revision	7	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](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.