

<b>Title</b>	<b>Describe and operate a drying plant at an extractive site</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the operational characteristics and performance of a drying plant at an extractive site; describe safe work practices and conditions for operating a drying plant; check readiness and operate a drying plant at an extractive site; and empty and shut down a drying plant and complete documentation, at an extractive site.
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<b>Classification</b>	Extractive Industries > Surface Extraction
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<b>Available grade</b>	Achieved
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### 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;
  - Health and Safety at Work (Hazardous Substances) Regulations 2017 and related Safe Work Instruments (SWIs) published by WorkSafe NZ;
  - approved codes of practice issued pursuant to the HSW Act;
  - Hazardous Substances and New Organisms Act 1996;
  - 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/>;
  - Machine operating manual.
- 2 The Environmental Protection Authority (EPA) is responsible for assessing and approving hazardous substances and, where appropriate, setting controls on the way the substance is used. Any questions relating to the provisions for hazardous substances should be directed to [EPA New Zealand](https://www.epa.govt.nz/).
- 3 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.
- 4 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.

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

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## Outcomes and performance criteria

### Outcome 1

Describe the operational characteristics and performance of a drying plant at an extractive site.

#### Performance criteria

1.1 The operational characteristics and performance of a drying plant are described in terms of its operation in an extractive site.

Range safety features, controls, operating procedures, feed methods, discharge methods, components.

### Outcome 2

Describe safe work practices and conditions for operating a drying plant at an extractive site.

#### Performance criteria

2.1 Safe work practices and conditions for the machine operation are described in accordance with industry best practice.

Range safety check, fuel level, documentation, feed quantity, feed belt, lubrication, accessibility, ventilation, emergency stops, sequencing, pre-start alarms.

### Outcome 3

Check readiness and operate a drying plant at an extractive site.

#### Performance criteria

3.1 Checks on a drying plant are completed in accordance with industry best practice.

Range may include but is not limited to – safety check, fuel supply, documentation, feed quantity, feed belt, lubrication, availability, capacity, pre-start checks, pre-heat.

- 3.2 Identified defects are reported and managed in accordance with industry best practice and/or site requirements.
- 3.3 Exhaust fan is started up in accordance with the operating manual.
- Range air introduction, elimination of ignition blow-back.
- 3.4 Drying plant is operated in accordance with the job requirements and plant specifications.
- Range operation includes but is not limited to – feed, discharge, drive systems, product monitoring, ignition, drier start-up, fuel adjustment, burner adjustment, emission check.

#### Outcome 4

Empty and shut down a drying plant and complete documentation.

#### Performance criteria

- 4.1 Drying plant is emptied in accordance with industry best practice.
- 4.2 Drying plant is shut down in accordance with industry best practice.
- 4.3 Identified defects are reported and managed in accordance with industry best practice.
- 4.4 Documentation is completed in accordance with industry best practice and/or site requirements.

<b>Replacement information</b>	This unit standard replaced unit standard 8896.
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<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	23 September 2005	31 December 2019
Rollover and Revision	2	16 July 2010	N/A
Rollover and Revision	3	25 January 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0114
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**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.