

Title	Manage a bitumen or asphalt product manufacturing process		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to manage a bitumen or asphalt product manufacturing process.
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Classification	Infrastructure Works > Bituminous Product Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Learning and assessment for this unit standard must be in accordance with the following:
 - Health and Safety at Work Act 2015;
 - Health and Safety at Work (Hazardous Substances) Regulations 2017;
 - Notices for hazardous substances 2017 – Environmental Protection Authority (EPA);
 - Resource Management Act 1991;
 - Best Practice Guideline: Safe Handling of Bituminous Materials Used for Roothing (BPG01);
 - The Bitumen Safety Handbook; Civil Contractors New Zealand (CCNZ);
 - Workplace Traffic Management (Worksafe);
 - Specification for Performance-Graded Asphalt Binder, NZTA MO1-A:2019;
 - and all subsequent amendments and replacements.

- 2 Definitions

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or to a specific site. Requirements are documented in the company's health and safety plans, environmental plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

Original equipment manufacturer (OEM) refers to a company that produces parts and equipment that may be marketed by another manufacturer. It can also refer to the maker of a system that includes other companies' subsystems or an end-product producer.

Quality plan refers to any contract specific policy, processes, procedures, testing or certification requirements for site works.

Outcomes and performance criteria

Outcome 1

Manage a bitumen or asphalt product manufacturing process.

Performance criteria

- 1.1 Safe working practices are followed, and personal protective equipment is worn accordance with company requirements.
- 1.2 Safety and environmental hazards are identified, controlled and reported, including unsafe practices in accordance with company requirements.
- 1.3 Checks are completed to ensure controls for critical risk activities are in place in accordance with the site safety plan and company requirements.
- 1.4 Pre-start checks of plant and equipment are completed in accordance with company and OEM requirements.
- 1.5 Stock and materials are maintained, labelled, and stored in accordance with company requirements.
- 1.6 Inputs, outputs, and expiry dates are monitored in accordance with company requirements.
- 1.7 Production issues are identified, adjustments made, and recorded in accordance with company requirements.
- 1.8 Testing and calibration procedures are completed in accordance with the quality plan and contract requirements.
- 1.9 Plant performance logs are completed in accordance with the quality plan.
- 1.10 Communications with customers are completed in terms of receiving orders, confirming product availability, quantities, and lead times.
- 1.11 Production process and flow of product through the plant is monitored and adjustments made in accordance with operating manual and company requirements.
- 1.12 Plant inspections and maintenance activities are monitored, and adjustments made in accordance with company requirements.
- 1.13 Feedback from customers and the needs of the customer are incorporated into monitoring and data analysis to anticipate and troubleshoot issues.

Planned review date	31 December 2025
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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 2020	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.