

Title	Coordinate operations for a bitumen or asphalt product manufacturing plant		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to coordinate operations for a bitumen or asphalt product manufacturing plant.
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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

Coordinate operations for a bitumen or asphalt product manufacturing plant.

Range three plant production runs.

Performance criteria

- 1.1 Pre-start checks and tool-box meetings are carried out in accordance with company requirements.
- 1.2 Production plant is inspected for maintenance requirements and adjustments made for the production run in accordance with OEM, product, and company requirements.
- 1.3 Control systems are set in accordance with OEM, product, and company requirements.
- 1.4 Product run and programming requirements are coordinated in accordance with OEM, customer, and company requirements.
- 1.5 Testing and sampling activities are coordinated in accordance with the quality plan and customer requirements.
- 1.6 Procedures for plant servicing, repairs, and maintenance are followed in accordance with OEM, regulatory, and company requirements.
- 1.7 Product issues are resolved through communication with relevant parties in accordance with company requirements.

Range relevant parties may include but are not limited to – staff, paving manager, customers, suppliers, transport managers;
issues may include but are not limited to – timing, quantities, product type, coordination of bitumen distributors.
evidence is required for resolving three issues.
- 1.8 Transfer systems load out processes and truck loading procedures are followed in accordance with company requirements.
- 1.9 Production issues are resolved through communication with relevant parties in accordance with company requirements.
- 1.10 Dispatch documents, sales, and payments are completed in accordance with company requirements.
- 1.11 Reconciliation, recording, and reporting procedures are actioned in accordance with company requirements.

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.