

Title	Explain environmental protection procedures for a bitumen or asphalt product manufacturing plant		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to explain environmental protection procedures 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 Definition

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.

Outcomes and performance criteria

Outcome 1

Explain environmental protection procedures for a bitumen or asphalt product manufacturing plant.

Performance criteria

- 1.1 Hazardous substances are explained in terms of the procedures for safe use and storage in accordance with BPG01 and hazardous substances regulations.
- 1.2 Emission control systems are explained in terms of monitoring procedures and legislation and company requirements.
- Range emission control systems include – fuel, odour, air, water discharge.
- 1.3 Dust, noise and vibration control mechanisms are explained in terms of monitoring procedures in accordance with company requirements.
- 1.4 Procedures for the removal of residues and contaminated materials from cleaning procedures are explained in accordance with company requirements.
- 1.5 Recycling activities for the plant are explained in terms of plant operating procedures.
- 1.6 Tank protection systems and safeguards are explained in terms of procedures for preventing discharge, leaks or cracks, and checks in accordance with BPG01 and the Health and Safety at Work (Hazardous Substances) Regulations 2017.
- 1.7 Plant operating procedures are explained in terms of identifying energy efficiencies in accordance with company requirements.
- 1.8 Resource consents are explained in terms of the key conditions, operational limitations, requirements for reporting, and procedures for taking action.

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.