

Title	Explain and carry out quality assurance requirements for a bitumen or asphalt product manufacturing plant		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to explain and carry out quality assurance requirements for a bitumen or asphalt product manufacturing plant.
----------------	--

Classification	Infrastructure Works > Bituminous Product Manufacturing
-----------------------	---

Available grade	Achieved
------------------------	----------

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.

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

Outcomes and performance criteria

Outcome 1

Explain and carry out quality assurance requirements for a bitumen or asphalt product manufacturing plant.

Performance criteria

- 1.1 The quality plan is explained in terms of content, and the person responsible for carrying out the quality assurance requirements.
- Range content includes – document control, policy statement, timing and frequency of internal audits, quality personnel and contact details, meeting schedules, monitoring contractors, quality control points, sampling and testing procedures, non-conformance and corrective actions, quality records and procedures, supply chain management, process, final product, recording and reporting procedures, sign off procedures.
- 1.2 Inputs are checked for shelf life, handling and storage in accordance with the quality plan.
- 1.3 Calibrations, frequency, and verification procedures are explained and carried out in accordance with the quality plan.
- 1.4 The process for additional quality sampling and testing where non-conformance is identified is explained and carried out in accordance with the quality plan.
- 1.5 Outcomes from internal inspections or audits of quality sampling, testing and personnel are used to identify areas for improvements in accordance with the quality plan.
- 1.6 On-going review of plant performance and monitoring of results is explained and carried out in terms of operational, recording and reporting procedures.
- 1.7 The process and procedures for identifying areas for improvement are explained, discussed with site personnel and supervisors, and recorded in accordance with company requirements.

Planned review date	31 December 2025
----------------------------	------------------

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
--	------

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.