

Title	Demonstrate and apply knowledge of storing explosives for use		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: describe how the location and construction of a magazine for explosives is planned; describe the process of applying for test certificates and permits to build a magazine and store explosives; describe the process of loading and maintaining a magazine; and store explosives for use.
----------------	---

Classification	Extractive Industries > Extractive Industries Management
-----------------------	--

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

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;
 - WorkSafe New Zealand Act 2013;
 - Hazardous Substances and New Organisms (HSNO) Act 1996;
 - AS 2187.1:1998 *Explosives – Storage, transport and use – Storage*;
 - Territorial and/or Local Authority plans and bylaws for the storing of explosives;
 - Occupational health and safety guidelines, available at <https://worksafe.govt.nz/>.
- 2 The Environmental Protection Authority (EPA) is responsible for assessing and approving hazardous substances and, where appropriate, setting controls on the way the substances are 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 Definition

Company procedures 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.

Outcomes and performance criteria

Outcome 1

Describe how the location and construction of a magazine for explosives is planned.

Performance criteria

1.1 Planned location of the magazine is described in accordance with the HSNO Act 1996 and the HSW (Hazardous Substances) Regulations 2017.

Range safe isolation distances.

1.2 Planned construction and installation of the magazine is described in accordance with the HSNO Act 1996 and the HSW (Hazardous Substances) Regulations 2017.

Range bar locks, hinges, exterior and interior cladding, ventilation, signage, ongoing site requirements.

Outcome 2

Describe the process of applying for test certificates and permits to build a magazine and store explosives.

Performance criteria

2.1 The process of applying for a building permit is described in accordance with territorial and/or local authority requirements.

2.2 The process of applying for a test certificate to store explosives is described in accordance with the HSNO Act 1996 and the HSW (Hazardous Substances) Regulations 2017.

Outcome 3

Describe the process of loading and maintaining a magazine.

Performance criteria

3.1 The process of loading a magazine is described in accordance with the HSNO Act 1996 and the HSW (Hazardous Substances) Regulations 2017.

Range explosives, initiating explosives, oxidising agents, stock register.

- 3.2 The process of checking and entering explosive quantities into a stock register is described in accordance with company procedures.

Range quantity of materials, stock rotation and ventilation.

Outcome 4

Store explosives for use.

Performance criteria

- 4.1 Magazine is loaded in accordance with the HSNO Act 1996, HSW (Hazardous Substances) Regulations 2017, and company procedures.

Range includes – explosives, initiating explosives, stock register; may include – oxidising agents.

- 4.2 Quantities of explosives are checked and entered in to a stock register in accordance with the HSNO Act 1996, HSW (Hazardous Substances) Regulations 2017, and company procedures.

Range quantity of materials, stock rotation and ventilation.

Planned review date	31 December 2022
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 January 2005	31 December 2012
Review	2	18 March 2011	31 December 2017
Review	3	22 August 2014	N/A
Rollover and Revision	4	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0114
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.