

Title	Demonstrate knowledge of contamination in plastics and remove contamination from plastics at a recovery facility		
Level	2	Credits	4

Purpose	<p>This unit standard is for people who are currently working in the resource recovery industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of contamination in plastics for recycling and recovery; and remove contamination from plastics at a resource recovery facility.</p>
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Classification	Resource Recovery > Recycling and Recovery
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Available grade	Achieved
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Guidance Information

- 1 All work practices must comply with:
Health and Safety at Work Act 2015; Resource Management Act 1991; The New Zealand Waste Strategy: Reducing Harm, Improving Efficiency 2010 Ministry for the Environment, available at <http://www.mfe.govt.nz>; equipment manufacturer's instructions; and job instructions.
- 2 Hazard controls, safety procedures, and personal protective equipment must be used throughout operations in accordance with company procedures.
- 3 Definitions
Company procedures mean the documented methods for performing work activities and includes health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.
Resource recovery facility refers to a facility that receives materials from the waste stream for resource recovery, treatment, or disposal. Terms used to describe such facilities include transfer station and recycling centre.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of contamination in plastics for recycling and recovery.

Performance criteria

1.1 Types of non-hazardous contamination in plastics are identified and examples given in relation to the workplace.

Range types – non-plastic materials, commingled plastic polymers; three examples of each type.

1.2 Examples of contamination that make recycling and recovery of plastics uneconomic are identified in relation to the workplace.

Range contamination may include products made of mixed materials; evidence is required of five examples.

1.3 Methods for removing contamination in the form of non-plastic materials are described in accordance with company procedures.

Range methods include but are not limited to – manual, machine, flotation.

1.4 Methods for separating contamination in the form of plastic polymers are described in accordance with company procedures.

Range two methods.

1.5 Examples of contamination by hazardous substances are identified in terms of sources of contamination.

Range sources – domestic, agricultural, commercial; evidence is required of six substances with one from each source.

1.6 Methods for removing plastics contaminated by hazardous substances are described in accordance with company procedures.

Range two methods.

Outcome 2

Remove contamination from plastics at a resource recovery facility.

Range evidence is required of removing – metal, paper, glass, general waste.

Performance criteria

2.1 Job requirements are confirmed in accordance with company procedures.

2.2 Prestart check of equipment is demonstrated in accordance with equipment manufacturer's instructions.

2.3 Contamination is removed from plastics in accordance with company procedures and job instructions.

Range removal may include sorting for colour and code.

2.4 Removed contaminants and decontaminated plastics are sorted into separate containers in accordance with company procedures and job instructions.

2.5 Filled containers are moved, stored, and replaced.

Range containers of – plastics, contaminants.

2.6 Decontaminated product meets customer standards for contamination level in accordance with job instructions.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2008	N/A
Rollover and Revision	2	28 March 2019	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.