

Title	Investigate site infrastructure, processes, and systems for resource efficiency management		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to investigate site and infrastructure, and site processes and business systems, for resource efficiency management.
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Classification	Zero Waste > Resource Efficiency
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Available grade	Achieved
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Guidance Information

- 1 Range
Assessment against this unit standard requires evidence of comprehensive investigation of a site to gather data for making recommendations for improving resource efficiency at a site. The recommendation is not part of the outcome of this unit standard. The investigation must provide data on all resource inputs and outputs at the site, with technical depth in some areas. The data provided must be accurate, current, organised logically, and based on current industry sector or local authority guidelines when available.
- 2 Recommended websites
Target Sustainability – <http://www.target sustainability.co.nz/>;
Resource Efficiency in the Building and Related Industries – <http://www.rebri.org.nz>.

Outcomes and performance criteria

Outcome 1

Investigate site and site infrastructure for resource efficiency management.

Performance criteria

- 1.1 Key physical features of site are recorded and investigated to determine their contribution to the efficient management of resources.

Range	features may include – topography, orientation, boundaries, ground water, surface water, sensitive receiving areas; investigation may include but is not limited to – plans, aerial photo, obvious signs of contamination and leaks.
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- 1.2 Site infrastructure is investigated to determine its contribution to the efficient management of resources.

Range site infrastructure – layout, utilities, site services, equipment; utilities may include but are not limited to – water, sewage, trade waste, electricity, gas, fuel, telecommunications; site services may include but are not limited to – general storage, solid fuel storage, hazardous substance storage, waste storage, site landfill, recycling, bund, sump, interceptor drain, oil water separator, wastewater treatment facility, compressed air line, workshop, wash down area, stockpile area; equipment may include but is not limited to – compressor, transformer, generator, fuel bowser, pollution control system, in ground storage tank, above ground storage tank, spray booth, boiler house, dip tank, stack.

- 1.3 Utilities and their monitoring equipment are located on site, their identification details are checked against company records, and any discrepancies are recorded.

Range where present – air, gas, electricity, fuel, water, wastewater, meters, monitoring points.

Outcome 2

Investigate site processes and business systems for resource efficiency management.

Performance criteria

- 2.1 Investigation of site processes and business systems provides data about quantities and costs of inputs and outputs for each process or system.

Range inputs may include – materials, water, energy; outputs may include – products, by-products, solid waste, gaseous emissions, wastewater, waste energy, hazardous waste, recycled materials; includes – investigation of site documents related to the process or system; aspects of business systems may include – quality, staff training, reporting; evidence of at least three site processes or business systems is required, one of which is broken into steps for detailed analysis of each stage or aspect.

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	17 June 2011	31 December 2015
Revision	2	21 November 2013	N/A
Rollover and Revision	3	28 June 2018	N/A

Consent and Moderation Requirements (CMR) reference

0014

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.