

<b>Title</b>	<b>Identify, explain, and use energy and chemical industry symbols, signs, and terminology</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to identify, explain, and use energy and chemical industry symbols, signs, and terminology.
----------------	--

<b>Classification</b>	Energy and Chemical Plant > Safety and Legislation for Energy and Chemical Plant
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

---

## Guidance Information

### 1 Definitions

*Energy and chemical plant* may be in – petrochemical, agri-nutrient, power generation, dairy processing, meat processing, and wood fibre manufacturing, or other plants that operate with a combination of high temperatures, pressures, steam and/or chemicals in gas, liquid or solid form.

*Organisational requirements* – documented policies and procedures. These may include: equipment manufacturers' procedures, plant procedures, suppliers' instructions; site signage; codes of practice; company health and safety plans; on site briefings; and supervisor's instructions. This includes all regulatory and legislative obligations that apply to the plant.

*Plant* – the operational unit, equipment and/or workplace at which the person is working.

### 2 For the purposes of assessment, evidence:

- for all outcomes must be presented in accordance with organisational requirements.

---

## Outcomes and performance criteria

### Outcome 1

Identify and explain energy and chemical industry symbols, signs, and terminology.

### Performance criteria

- 1.1 Identify and explain industry specific symbols and signs in terms of their purpose and function.

Range chemical, safety, road, site specific.

- 1.2 Explain safety signage in terms of classifications and signage colour conventions.

Range classifications – caution, warning, danger, general attention; colour conventions for – safety signs, chemical data, road signage, site specific signage.

- 1.3 Explain energy and chemical industry terminology in terms of site applications.

Range chemical, technical, equipment, safety, site specific acronyms.

## Outcome 2

Use energy and chemical industry symbols, signs, and terminology.

### Performance criteria

- 2.1 Use signs and symbols to warn personnel of potential hazards.

- 2.2 Use signs and symbols for identification purposes.

Range equipment, process flows, process parameters, composition.

- 2.3 Use specific terminology to communicate information in the workplace.

Range written, oral, electronic.

<b>Planned review date</b>	31 December 2025
----------------------------	------------------

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	6 February 1997	31 December 2018
Revision	2	3 August 2000	31 December 2018
Review	3	24 January 2002	31 December 2018
Review	4	20 February 2009	31 December 2018
Rollover and Revision	5	20 April 2017	31 December 2022
Review	6	27 February 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0079
--	------

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

### Comments on this unit standard

Please contact the Primary Industry Training Organisation [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.