

## 40359 Conduct inspections on pipeline stations in an energy and chemical plant

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	3
<b>Whāinga   Purpose</b>	<p>People credited with this skill standard are able to: inspect the security of pipeline stations; inspect integrity of pipeline stations; and communicate inspection findings; in an energy and chemical plant.</p> <p>This skill standard can be used in the New Zealand Energy and Chemical qualifications at Levels 3 and above.</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Inspect the security of pipeline stations in an energy and chemical plant	a. Inspect the integrity of security systems.
	b. Describe the actions required in the event of a security breach.
2. Inspect integrity of pipeline stations in an energy and chemical plant.	a. Identify pipeline station hazards and describe control measures.
	b. Locate pipeline station plans and drawings and use to assist the inspection.
	c. Check all pipeline station signs are correct and in legible condition.
	d. Check equipment and systems associated with the station for correct operation and condition.
	e. Carry out leak detection on the pipeline station and take corrective action if required.
3. Communicate inspection findings in an energy and chemical plant.	a. Identify station documentation and reporting requirements.
	b. Notify supervisor of inspection findings.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria****Assessment specifications:**

- evidence for the practical components of this skill standard must be supplied from the workplace.
- evidence for all outcomes must be presented in accordance with organisational requirements.
- 2a: pipeline product, process conditions, chemicals, electricity, static spark risk, earthing, vegetation.
- 2d: fire detection, air conditioning, gas detection, communication equipment, power supply, control and shutdown equipment, Cathodic Protection equipment, chemical storage and dosing systems, site air and water utilities, site safety equipment, fencing, sumps and drains, lighting, weed control, vermin control.
- 2e: all flanges, instrument tubing, connections, valve stems, any joint where product could leak.
- 3b: inspection findings may include pipeline station status and personnel movements.

**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.

**Ngā momo whiwhinga | Grades available**

Achieved.

**Ihirangi waitohu | Indicative content**

- Security systems, such as – compound, buildings, fencing, locks, alarm systems, camera systems.

**Rauemi | Resources**

Legislation relevant to this unit standard includes but is not limited to:

- Health and Safety at Work Act 2015;
- Health and Safety at Work (Hazardous Substances) Regulations 2017 (HSWA);
- Resource Management Act 1991;
- and any subsequent amendments.

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Manufacturing > Energy and Chemical Plant > Monitoring of Energy and Chemical Plant
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0079

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	30 January 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	This skill standard replaced unit standard 9553.		
<b>Rā arotake  </b> Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) to suggest changes to the content of this skill standard.