

40001 Maintain concrete pump machinery and equipment

Kaupae Level	4
Whiwhinga Credit	5
Whāinga Purpose	<p>This skill standard recognises the skills required to maintain concrete pumping machinery and equipment.</p> <p>This skill standard aligns with the New Zealand Certificate in Concrete (Specialist) [Ref: 4186] (Level 4) with strands in Concrete Pump Operation (Boom Delivery System) or Concrete Pump Operation (Line Delivery System) strands.</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Complete preventative maintenance processes and checks for concrete pump machinery and equipment.	a. Workplace procedures are followed to complete maintenance checks.
	b. Maintenance processes and checks are carried out and recorded according to workplace procedures.

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

Assessment specifications:

Maintenance of concrete pumping machinery and equipment is carried out to the standard of a commercially competent concrete pump operator meeting all safety requirements.

A commercially competent concrete pump operator will be capable of consistently demonstrating the technical skills and knowledge expected by the concrete pumping industry; this includes meeting current regulatory and industry standards within commercially viable timeframes, in familiar and unfamiliar construction environments, without direct supervision.

Concrete pumping equipment and machinery to be checked include pump and truck, whip check, reducers, clamps, seals, clips, safety pins, hoses and pipeline.

Workplace procedures refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

- Safety practices during maintenance.
- Machinery and equipment compliance check requirements - pipe thickness testing, hose & reducer testing, visual fatigue checks of pump machinery and delivery system equipment.
- Manufacturer's maintenance guidelines and instructions.
- Daily checks: basic lubrication, check hydraulics for leakages, waterbox monitoring and preventative maintenance.
- Compliance checking schedules.

Rauemi | Resources

- Concrete Pumping Health and Safety Guidelines February 2013 Copyright © Concrete Pumping Association of New Zealand. Available from www.worksafe.govt.nz.
- Programme guidance available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council.
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Concrete > Concrete Construction
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 February 2024	N/A
Rā arotake Planned review date	31 December 2028		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.