

## 40119 Complete basic hot work for demolition jobs

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills to complete basic hot work for demolition jobs.</p> <p>This skill standard contributes to the New Zealand Certificate in Demolition (Level 3) [Ref: 5058].</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 preparation requirements for hot work in demolition jobs.	a. Job requirements are confirmed according to organisational requirements.
	b. Appropriate personal protective equipment (PPE) and respiratory protective equipment (RPE) for hot work are fitted according to manufacturer's instructions.
	c. Specified heat generating tools and equipment for the job are checked and maintained according to organisational requirements and manufacturer's instructions.
2. Complete basic hot work onsite.	a. The hot work zone is inspected for hazards, any combustible material is removed, and controls are in place immediately before and during work.
	b. Heat generating tools and equipment are used safely to carry out basic hot work according to organisational requirements and manufacturer's instructions.
	c. Follow-up procedures are completed according to job and organisational requirements.

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

#### Assessment specifications:

To achieve this standard, the assessment will be where the person conducting a business or undertaking (PCBU) has provision for a level of supervision to ensure safety of the ākonga and work undertaken.

For the assessment, ākonga must complete the hot work under three different environmental conditions. This may include the type of demolition job, weather factors, location.

Basic hot work refers to the use of oxyfuel gas cutting equipment to cut through a structural steel element, and an angle grinder to cut through an item of metal. This equipment should be used on the ground and work should not be attempted in-situ as part of the demolition process.

Heat generating tool refers to any tool that generates heat and is used for cutting different types of material.

Hot work refers to any cutting work that creates a spark that can result in combustion.

Job requirements may include availability of fire protection equipment, confirmation of service disconnection, safety spotter and hot work permit requirements according to the site safety plan.

Follow-up procedures may include sorting of demolition materials for disposal, tidying of the general work area, observation of fire watch period and other safety requirements, maintenance and storage of tools and equipment.

### ***Ngā momo whiwhinga | Grades available***

Achieved.

### **Ihirangi waitohu | Indicative content**

Safety considerations:

- Hazards associated with hot work.
- Control measures for hot work-related hazards (for example, portable appliance tester (PAT) tags are current for grinders and leads, fire protection equipment, exclusion zones, fire watch procedures following completion of hot work, use of flint rather than a lighter).
- Fire extinguisher selection for different levels of risk.
- Procedures for hot work-related emergencies.
- Safety spotter requirements for hot work.
- Situations for the use of gas monitors and flashback arresters.

Equipment requirements:

- Correct set-up of gear for hot work tasks.
- Leak testing on gas plant for oxyfuel cutting.
- RPE selection, use and maintenance (for example, power air purifying respirator fitted with working filter cartridges).
- Special considerations for angle grinders (for example, guards fitted and blade undamaged, regular testing of electrical cords, potential for spark production, environmental considerations).
- Tools and equipment used for hot work, their applications, maintenance requirements, and safe methods of use.

Follow-up procedures:

- Procedures for waste management and sorting/storage of reusable/recyclable materials.

### **Rauemi | Resources**

Refer to the Demolition Programme Guidance document which includes resources, definitions, and further information of relevance to this standard, available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

**Pārongo Whakaū Kouna | Quality assurance information**

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

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	30 May 2024	N/A
<b>Kōrero whakakapinga   Replacement information</b>	N/A		
<b>Rā arotake   Planned review date</b>	31 December 2029		

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