



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **BCC1006A Use small plant and equipment**

**Release: 1**

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### **Modification History**

Not applicable.

### **Unit Descriptor**

Not applicable.

### **Application of the Unit**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

Not applicable.

### **Elements and Performance Criteria Pre-Content**

Not applicable.

### **Elements and Performance Criteria**

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<b>Element</b>	<b>Performance Criteria</b>
1 Identify plant and equipment operations and safety requirements	1.1 Types and function of plant/equipment used in the construction process identified. 1.2 Quality Assurance requirements recognised and adhered to. 1.3 Method of operation of plant/equipment identified

- and understood, relevant to manufacturer's recommendations.
- 1.4 OH&S requirements for guarding and cut off switchings identified.
  - 1.5 OH&S requirements identified for personal protective equipment associated with using machines.
  - 1.6 Personal protective equipment selected, correctly fitted and used.
- 2 Select plant and equipment
    - 2.1 Plant and equipment selected consistent with needs of job.
    - 2.2 Plant and equipment checked for serviceability/safety and faults reported.
  - 3 Select fuel, lubricants, tools and equipment
    - 3.1 Appropriate fuel and lubricants selected according to manufacturer's specifications.
    - 3.2 Tools and equipment selected in accordance with required machinery checks.
  - 4 Carry out basic machinery checks
    - 4.1 Fuel, oil, hydraulic fluid and water levels checked and adjusted according to manufacturer's manual.
    - 4.2 Bolts, nuts and attachment couplings tightened and maintained to manufacturer's manual.
    - 4.3 Function of controls and gauges checked and adjusted where necessary to comply with manufacturer's manual.
  - 5 Carry out machine start-up/shut-down procedures
    - 5.1 Standard start-up procedures conducted to requirements of operator's manual.
    - 5.2 Standard shut-down procedures conducted to requirements of operator's manual.
  - 6 Use plant and equipment
    - 6.1 Plant and equipment safely and effectively used.
    - 6.2 Site hazards identified in use of plant and equipment.
    - 6.3 Plant and equipment safely located when not in immediate use.

- 7 Carry out periodic maintenance
  - 7.1 Periodic maintenance carried out to requirements of operator's manual.
- 8 Clean up
  - 8.1 Waste material disposed of safely.
  - 8.2 Surplus fuel and lubricants returned to store.
  - 8.3 Plant, tools and equipment cleared, maintained and stored.

## **Required Skills and Knowledge**

Not applicable.

## Evidence Guide

Competency is to be demonstrated by the safe and effective operation of particular small plant listed within the range of variables statement relative to the work orientation.

### (1) Critical Aspects of Evidence

It is essential that competence is observed in the following aspects:

compliance with Occupational Health&Safety regulations and State/Territory legislation applicable to workplace operations

compliance with organisational policies and procedures including Quality Assurance requirements

correct procedures carried out prior to and during the application of construction process

safe and effective operational use of tools, plant and equipment and effective communication

### (2) Pre-requisite Relationship of Units

This unit of competency is dependent upon acquiring the relevant pre-requisite competencies in basic industry and basic stream skills.

### (3) Underpinning Knowledge and Skills

Knowledge

A knowledge of:

workplace and equipment safety requirements

portable power tools applicable to the construction process

hand tools and a range of small plant and equipment materials

materials handling relative to small plant and equipment

Quality Assurance

workplace communication processes

Skills

The ability to:

work safely to instructions

use power tools and hand tools relevant to the construction process

handle material

apply Quality Assurance

communicate effectively

### (4) Resource Implications

The following resources should be made available:

general construction materials appropriate to the construction process

hand and power tools appropriate to the construction process

small plant and equipment appropriate to the construction process

suitable work area appropriate to the construction process

appropriate OH&S resources

### (5) Method of Assessment

Competency should be assessed through direct observation and questions related to underpinning knowledge.

Competency in this unit may be determined concurrently, based upon project work.

Competency shall be assessed while work is undertaken under general guidance, checking at various stages of the process and at the completion of the activity, against the performance criteria and specifications.

### (6) Context of Assessment

Competency shall be assessed in the normal or simulated workplace environment and in accordance with safe work procedures.

Assessment shall include those aspects that are consistent with the work environment of this unit.

Competency shall be assessed while work is undertaken autonomously, within a team environment.

Assessment may be intermittent checking at the various stages of the job application in accordance with the performance criteria, or may be at the completion of the process.

Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

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## Range Statement

Plant and equipment include:

?? all small mechanical construction equipment including

compressor

concrete mixer

industrial wet and dry vacuum cleaner

pallet trolley

elevated work platforms

rollers

compaction equipment

pumps and wheelbarrow

brick/masonry saw

terrazzo grinders

hoists

Reports and/or instruction may be written or verbal.

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## Unit Sector(s)

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