

CPCCDE3021 Operate demolition material crushing plants

Application

This unit of competency specifies the skills and knowledge required to operate a stationary or mobile crushing plant to produce crushed demolition materials in a range of sizes. It includes the preparation, inspection, maintenance, operation and shut down of a crushing plant. It may include working with others and as a member of a team.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, legislative, regulatory or certification requirements apply to demolition work in different states and territories. Candidates are advised to consult with the relevant regulatory authorities.

Prerequisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Elements and Performance Criteria

Elements	Performance criteria
1. Plan and prepare for work.	<ul style="list-style-type: none">1.1 Access and apply compliance requirements relevant to crushing and screening plant operations.1.2 Obtain, confirm and apply work requirements using required information for planning and preparation.1.3 Complete tasks according to manufacturer's instructions and regulatory, legislative and workplace policies and requirements.1.4 Follow work health and safety (WHS) requirements.1.5 Select plant and equipment to carry out tasks that are consistent with job requirements and check for serviceability and rectify and report faults before work begins.1.6 Identify environmental requirements for the project.1.7 Identify, select and fit personal protective equipment (PPE).1.8 Conduct crushing plant pre-start, start-up, run and shutdown procedures to ensure correct operational condition according to manufacturer requirements, and identify and correct faults or report these to supervisor.

Elements	Performance criteria
	1.9 Prepare work area and equipment and plan sequence of tasks in coordination with personnel.
2. Operate crushing plant.	2.1 Select and modify operating technique to meet changing work conditions according to manufacturer recommendations. 2.2 Direct uncrushed materials into hopper and maintain feed of uncrushed materials according to manufacturer instructions. 2.3 Monitor conduct and control operations within the equipment limitations and communicate with relevant personnel to maintain crushing and screening efficiency and effectiveness. 2.4 Stop and clear crushing of blocked materials and restart as required. 2.5 Maintain crushing plant settings. 2.6 Complete work within the operating capacity of the allocated equipment.
3. Carry out post-operational procedures.	3.1 Inspect plant and equipment and report faults. 3.2 Conduct operational maintenance, servicing, lubricating and housekeeping tasks. 3.3 Maintain and process operational records and report. 3.4 Shut down crushing plant according to site safety and operation plan.
4. Clean up work area.	4.1 Clear work area and dispose of, reuse or recycle materials. 4.2 Clean, check, maintain and store tools and equipment.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria:

- learning skills to:
 - evaluate own actions and make judgements about performance and necessary improvements
 - respond to change, such as differences in current worksite environmental and sustainability requirements
- numeracy skills to:
 - estimate weight of volumes of demolition debris
 - perform measurements and calculations associated with work, such as determining maximum load capacity of equipment

Unit Mapping Information

Supersedes and is equivalent to CPCCDE3021A Operate demolition material crushing plants.

Links

Companion Volumes to this Training Package are available at the VETNet website

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCE3021

Operate demolition material crushing plants

Performance Evidence

To demonstrate competency in this unit, a candidate must operate a demolition material crushing plant to process a minimum of 100 tonnes of demolition material into two different nominal sizes of crushings, of between 5 mm and 100 mm.

In doing this, the candidate must meet the performance criteria for this unit.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- the compliance requirements of the relevant Australian Standards, Building Code of Australia (BCA), model codes of practice, environmental and work health and safety (WHS) legislation
- construction terminology
- procedures for material storage and environmentally friendly waste management
- quality requirements relating to products of crushing operations
- types, characteristics, uses and limitations of plant and equipment involved in the conduct of crushing operations:
 - hazards associated with the conduct of crushing operations
 - method of operation and maintenance requirements of crushing plant and equipment
 - techniques associated with the conduct of crushing operations
- workplace and equipment safety requirements that apply to the operation of a demolition material crushing plant.

Assessment Conditions

Assessors must satisfy the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment.

Assessors are responsible for ensuring that the candidate demonstrating competency has access to:

- worksite/s and specifications for operating a demolition material crushing plant
- appropriate documents, materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- requirements of workplace policies, procedures and demolition plans.

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