

Draft 0.1

This is our work-in-progress update to CPCCCO3054 Operate concrete agitator trucks:
<https://training.gov.au/Training/Details/CPCCCO3054>.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here:
<http://www.artibus.com.au/project-stage>.

Summary of changes from current endorsed unit:

- code changed to comply with policy for NSSC endorsement required changes to units
- application simplified
- new licensing advice
- elements and performance criteria modified to improve clarity
- knowledge
 - deleted requirements of Australian Standards and the National Construction Code (NCC) relating to operating concrete agitator trucks (question relevance)
 - redeveloped knowledge listing to clarify requirements and better cover operational knowledge requirements
- assessment conditions: standard wording changed and modified requirement for candidates

Unit of Competency

CPCCON3054 Operate concrete agitator trucks

Modification history

Release	Comments
1	Supersedes and equivalent to CPCCCO3054A Operate concrete agitator trucks. The unit of competency was updated to the Standards for Training Packages 2012. This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.
2	Supersedes and equivalent to CPCCCO3054 Operate concrete agitator trucks. This version first released with CPC Construction, Plumbing and Services Training Package Version 6.0.

Application

This unit of competency specifies the skills and knowledge required to operate concrete agitator trucks. It includes safely operate, position and manoeuvre the truck to load, transport and discharge concrete mix at the work site. It requires conducting pre-operational checks and driver maintenance.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing these tasks with a high degree of self-direction.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency. Candidates must hold a current, nationally recognised licence required to operate the concrete agitator truck. For further information, check with the relevant regulatory authority.

Prerequisite Unit

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

Unit Sector

Concreting.

Elements and Performance Criteria

1. Plan and prepare to operate concrete agitator truck.	1.1 Interpret work instructions for concrete agitator truck operation and clarify requirements with relevant persons. 1.2 Plan all work to comply with relevant legislation, regulations, work health and safety, environmental and workplace requirements. 1.3 Identify hazards associated with planned concrete agitator truck operation and apply risk controls in accordance with regulatory and workplace requirements. 1.4 Select hand tools and maintenance equipment associated with concrete agitator truck, check for serviceability and rectify or report any faults. 1.5 Select and fit personal protective equipment appropriate for work activities.
2. Conduct concrete agitator truck pre-operational checks.	2.1 Carry out pre-start, start-up, park and shut-down procedures including emergency shut-down in accordance with manufacturers' instructions and site requirements.

	<p>2.2 Check vehicle controls and functions for serviceability and rectify or report faults.</p> <p>2.3 Check agitator controls and functions for serviceability and rectify or report faults.</p>
3. Operate concrete agitator truck.	<p>3.1 Manage engine power to ensure efficient concrete agitator truck movements and to minimise damage to engine and gears.</p> <p>3.2 Coordinate engine power with gear selection ensuring smooth transition and operation within torque range.</p> <p>3.3 Drive concrete agitator truck safely in accordance with regulatory and workplace requirements.</p> <p>3.4 Monitor road and traffic conditions and adjust concrete agitator truck operation as required to ensure safety.</p> <p>3.5 Bring truck to a halt smoothly using engine retarder, gears and brakes to minimise vehicle wear and tear.</p>
4. Load, transport and discharge concrete.	<p>4.1 Position concrete agitator truck at load and discharge points with minimum manoeuvres.</p> <p>4.2 Load concrete agitator truck with concrete mix specified for the job, and with volume or weight of load within authorised carrying capacity of agitator.</p> <p>4.3 Move concrete agitator truck from loading to discharge point safely and smoothly avoiding surge and sway.</p> <p>4.4 Discharge concrete in accordance with work instructions.</p> <p>4.5 Monitor and maintain discharge systems including chutes and adaptors throughout operations.</p>
5. Carry out operator maintenance.	<p>5.1 Park concrete agitator truck safely, prepare for maintenance, and shut down in accordance with manufacturers' instructions and workplace requirements.</p> <p>5.2 Carry out basic diagnostic procedures on vehicle and agitator components and record results in accordance with manufacturers' instructions workplace requirements.</p> <p>5.3 Remove and replace defective parts safely and effectively in accordance with manufacturers' instructions and workplace requirements.</p> <p>5.4 Carry out regular scheduled maintenance tasks in accordance with manufacturers' instructions and workplace requirements.</p>
6. Clean up.	<p>6.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.</p> <p>6.2 Clean, check, maintain and store vehicle, bowl, tools and equipment in accordance with manufacturers' instructions and workplace requirements.</p>

Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3054 Operate concrete agitator trucks

Links

Companion Volume Implementation Guide:

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

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Assessment Requirements for CPCCON3054 Operate concrete agitator trucks

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by operating a concrete agitator truck over three shifts and at two different sites.

Knowledge Evidence

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

- characteristics of concrete carried in concrete agitator trucks
- operational and maintenance requirements of concrete agitator trucks:
 - basic diagnostic procedures
 - how and when to activate emergency shut-down procedures
 - key components and controls and their functions
 - operator maintenance procedures
 - pre-start, start-up, park and shut-down
 - techniques for positioning truck at load and discharge points
- processes for loading, transporting and discharging concrete:
 - authorised carrying capacity of agitator
 - methods for avoiding surge and sway
- requirements of Commonwealth and state or territory work health and safety and environmental legislation and regulations, standards and codes of practice relevant to concrete agitator truck operation:
 - hazard identification and risk control
 - job safety analyses
 - personal protective equipment
 - safe work method statements
 - safety manuals and instructions for truck, tools and equipment
- workplace requirements for operating concrete agitator trucks:
 - cleaning up
 - maintaining and storing tools and equipment
 - reporting problems.

Assessment Conditions

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

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, specifications, concrete agitator truck and associated tools and equipment required to achieve the performance evidence.

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