



Australian Government

PMC552061 Deliver concrete to site

Release: 1

PMC552061 Deliver concrete to site

Modification History

Release 1. Supersedes and is equivalent to PMC552061C Deliver concrete to site

Application

This unit of competency covers the skills and knowledge required to deliver concrete to site using an agitator or similar.

This unit of competency applies to operators who are required to safely drive and position the agitator truck, load agitator, mix and discharge concrete on site, communicate with customers and rectify routine problems.

This unit of competency applies to an individual working independently and with frequent contact with the base plant personnel.

The operator is required to hold a current driver's license appropriate to the agitator truck as required by local regulations.

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Load agitator	1.1	Check job requirements
		1.2	Position agitator for loading
		1.3	Load agitator with correct concrete batch
		1.4	Check any special requirements and take action required
		1.5	Check that slump is to specification and take any action required

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|---|----------------------------------|-----|---|
| 2 | Deliver concrete | 2.1 | Deliver concrete without delay |
| | | 2.2 | Position vehicle/agitator as required by safety needs and if practical customer requirements |
| | | 2.3 | Report breakdowns or lengthy delays en route to relevant person |
| | | 2.4 | Maintain product quality as per requirements and procedures |
| | | | |
| 3 | Conform to site protocols | 3.1 | Check access to site with customer |
| | | 3.2 | Assess site conditions and enter in a manner suited to the conditions, load and site requirements |
| | | 3.3 | Mix concrete on site according to quality requirements |
| | | 3.4 | Discharge concrete as required by customer |
| | | 3.5 | Wash down chutes and agitator in the area designated by the customer |
| | | 3.6 | Complete all records |
| | | | |
| 4 | Rectify routine problems | 4.1 | Identify the range of faults that can occur during the operation |
| | | 4.2 | Determine and rectify fault causes in accordance with procedures/work instructions |
| | | 4.3 | Identify and rectify equipment failure causes in accordance with procedures |
| | | 4.4 | Make sure appropriate records and log books of equipment operations are maintained to meet procedures |
| | | 4.5 | Identify non-routine problems and take appropriate action. |
| | | 4.6 | Ensure required checklists are completed |

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|---|------------------------|-----|---|
| 5 | Control hazards | 5.1 | Identify hazards from the job to be done |
| | | 5.2 | Identify other hazards in the work area |
| | | 5.3 | Assess the risks arising from those hazards |
| | | 5.4 | Implement measures to control those risks in line with procedures |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used.

Applicable legislation, regulations, standards and codes of practice include:

- health, safety and environmental (HSE) legislation, regulations and codes of practice relevant to the workplace, equipment and production processes and hazardous materials
- Australian/international standards relevant to the materials being used and products being made
- any relevant licence and certification requirements.

All operations to which this unit applies are subject to stringent HSE requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and such requirements the legislative requirements take precedence.

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or any combination of:

- batch card
- job card
- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant.

Problems Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of:

- sites with poor access/unstable soil
- transportation/site delays
- site conflicts
- disposal of agitator washings.

Known solutions are drawn from one or more of:

- procedures
- training
- remembered experience.

Non-routine problems must be reported according to according to relevant procedures.

Hazards Hazards must be identified and controlled. Identifying hazards requires consideration of:

- heat, smoke, dust, vapours or other atmospheric hazards
- fuel, oil and other hazardous products/materials
- flammability and explosivity
- extreme weather
- rotational equipment or vibration
- sharp edges, protrusions or obstructions

- road surface and driving conditions
- site conditions, access, stability of ground surface
- limited head spaces, overhangs and powerlines
- slippery surfaces, spills or leaks
- noise
- equipment failures
- working at heights
- working in restricted or confined spaces
- other hazards that might arise.

Tools and equipment

Tools and equipment include:

- agitator and truck
- ancillary equipment that is integral to the process
- programmable logic controllers (PLC), if fitted.

Records and reports

Completion of records must include:

- the addition of water
- other items identified in the procedures
- customer's signature, where possible.

Records include one or more of:

- dockets
- checklists
- log books/sheets
- electronic records
- job/work sheets
- other records used for the smooth operations.

Reports include one or more of:

- paper or electronic-based logs and reports
- verbal/radio reports
- reporting items found which require action.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=45a7f1d5-61a5-447a-9688-7abbd7e1a5c7>