



Australian Government

Assessment Requirements for MSMWJ202

Use high pressure water jetting equipment

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSMWJ201 Use high pressure water jetting equipment. Unit code changed. Application and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- assemble and operate, under supervision, equipment that meets the requirements of a Class B system as defined by AS 4233.1 *High pressure water jetting systems – Part 1: Safe operation and maintenance*, to complete:
 - at least one gun operation AND
 - at least one of the following:
 - pipe cleaning (not stormwater/sewerage system)
 - heat exchanger/tube cleaning
 - surface preparation
 - vessel (interior) cleaning using a cleaning head.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- existence and purpose of AS 4233.1 *High pressure water jetting systems – Part 1: Safe operation and maintenance* and Safe Work Australia *Guide for Managing Risks from High Pressure Water Jetting*
- system controls required by AS 4233.1 *High pressure water jetting systems – Part 1: Safe operation and maintenance* and Safe Work Australia *Guide for Managing Risks from High Pressure Water Jetting*
- possible injuries resulting from high pressure water jetting activities and appropriate responses to injuries
- hazards specific to the operation of water jetting equipment, including:
 - physical hazards,
 - stored energy hazards
 - working environment hazards
- environmental protection considerations for water jetting operations
- basic principles of how high pressure water jetting equipment works, including:
 - pump
 - motive power

- hoses and hose restraints
- guns, foot control devices, lances and nozzles
- preoperational checks and set-up procedures
- other equipment, plant, tools and hazard control devices required for water jetting jobs
- basic aspects of reaction force and its determination
- communication systems used between operators, including hand signals
- how to recognise water jetting problems and appropriate corrective action for routine problems
- situations requiring activation of emergency stop
- types of waste generated and procedures for safe disposal
- routine cleaning and servicing requirements for water jetting equipment.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - high pressure water jetting system and other tools and materials to complete tasks specified in the performance evidence
 - safety and personal protective equipment (PPE)
 - job documentation.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>