



Australian Government

Assessment Requirements for PMBWELD305E Install polyethylene plastic pipelines for pressurised applications

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBWELD305 Install polyethylene plastic pressure pipelines.

Performance Evidence

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

- install polyethylene plastic pipelines for pressurised applications, at least once, and adjust the installation process as required to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types of materials and components being used
- range of methods for mechanical jointing, fusion welding, service connections and repairs
- Australian Standards relevant to the materials being used and products being made, including requirements for:
 - handling and transport of polyethylene drainage materials
 - long-term polyethylene pipe storage
 - polyethylene pipe installation
 - service connection of non-pressure polyethylene pipelines
 - repair of non-pressure polyethylene pipelines
- production workflow sequences and materials demand
- storage, handling and transport procedures for polyethylene pipeline units
- assessment methods and criteria for polyethylene pipeline repair
- quality requirements and range of suitable tests to establish quality level of work
- key variables that may affect quality of work, and how to manage them, including:
 - alignment
 - materials and conditions for joint
 - integrity of joint
 - general conformance to specification
- typical process and product problems, including early warning signs, possible causes and corrective actions
- organisational procedures relevant to the work environment and job role.

Assessment Conditions

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

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=932aacef-7947-4c80-acc6-593719fe4090>