



Australian Government

NWPNET020 Control electrical risk on metallic pipes

Release: 1

NWPNET020 Control electrical risk on metallic pipes

Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Application

This unit involves the skills and knowledge required to control electrical risk on metallic pipes.

It includes safely working on and assessing metallic pipes for electricity. It also includes using electrical detection devices, identifying yourself to customers and identifying utility assets.

This unit applies to those working as field and operational staff with responsibility for the control measures of high-risk electrical hazards. Those undertaking this unit would work independently under indirect supervision while performing routine tasks with a moderate level of complexity in a familiar context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Networks

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for work

PERFORMANCE CRITERIA

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

1.1 Identify and locate area of work from job specifications, plans and diagrams

1.2 Conduct risk assessment for environmental safety

- according to workplace procedures
- 1.3 Select safety and electrical equipment and fit and use personal protective equipment according to workplace procedures
 - 1.4 Identify yourself to your customers and determine customer needs
 - 1.5 Identify utility assets or services by contacting relevant authorities
- 2 Assess metallic pipes for electricity**
- 2.1 Use electrical testing device to check for presence of electricity on metallic water pipe according to workplace procedures
 - 2.2 Follow organisational procedures when electricity is detected
 - 2.3 Identify and clean attachment points and apply the testing and monitoring equipment and bridging conductors if no electricity is detected
 - 2.4 Continue to enforce electrical control measures during pipe replacement
- 3 Finalise work**
- 3.1 Store and secure equipment and materials according to manufacturer instructions
 - 3.2 Restore worksite to meet environmental and organisational requirements
 - 3.3 Report and tag any damaged or faulty equipment according to workplace procedures

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to NWPNET003 Control electrical risk on metallic pipes.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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