



Australian Government

NWPAMG001 Manage asset construction and maintenance

Release: 1

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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 manage asset construction and maintenance.

It includes preparing for asset construction, planning construction operations and implementing quality assurance measures.

This unit applies to leaders in organisations with responsibility for the construction and maintenance of water, wastewater, channels, drains and components industry assets.

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

Pre-requisite Unit

Not applicable.

Competency Field

Asset Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for asset construction

PERFORMANCE CRITERIA

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

1.1 Identify and apply site investigation and construction guidelines, regulatory requirements and workplace procedures

1.2 Consult with stakeholders and identify and address

- requirements and issues impacting construction
- 1.3** Determine and document work requirements, materials and configurations according to plans, specifications, instructions and workplace procedures
 - 1.4** Conduct worksite inspections according to workplace procedures and risk management guidelines
 - 1.5** Collate and check project documentation and assess for impact on work planning and management
 - 1.6** Identify and investigate potential hazards and safety risks and report recommendations for preventative action according to organisational requirements
 - 1.7** Identify and specify roles and responsibilities of relevant personnel and stakeholders
 - 1.8** Identify and check construction and maintenance guidelines, industry standards and other regulatory requirements
- 2 Plan construction operations**
- 2.1** Identify organisational strategies for implementing construction operations
 - 2.2** Implement workplace health and safety (WHS) policy and procedures, including hazard and risk management
 - 2.3** Implement procedures for securing relevant plant and equipment
 - 2.4** Determine personnel requirements according to work plan and contract documentation
 - 2.5** Evaluate, select and source materials to complete work
 - 2.6** Sequence and schedule work to meet workplace requirements and completion timeframes
- 3 Implement quality assurance measures**
- 3.1** Conduct inspections to ensure progressive and finished work meets required standards, operational capability and stakeholder requirements
 - 3.2** Provide guidance to contractors/personnel according to workplace procedures
 - 3.3** Monitor construction activities to ensure compliance with WHS and environmental regulations

- 3.4 Monitor construction progress and maintain records according to workplace procedures and industry standards
- 3.5 Communicate changes to meet unforeseen requirements, reallocation of resources and rescheduling to reduce impacts
- 3.6 Confirm and certify completion of construction and installation according to workplace procedures and industry standards
- 3.7 Write progress and completion reports and communicate with relevant personnel 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.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>