



Australian Government

NWPCAD007 Inspect, operate and maintain low consequence dams

Release: 1

NWPCAD007 Inspect, operate and maintain low consequence dams

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 inspect, operate and maintain low consequence dams.

It includes inspecting low consequence dams and water storages and conducting routine maintenance according to organisational maintenance plans and manufacturer specifications.

This unit applies to those working as field staff with specific responsibility for undertaking surveillance and routine maintenance on low consequence dams and storages, including urban reservoirs, retarding basins, levee banks and wastewater lagoons. Those undertaking this unit would work under appropriate supervision, while performing routine tasks in a limited range of familiar contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Catchment and Dams

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Inspect low consequence dams	<p>1.1 Select, fit and use safety equipment, including personal protective equipment</p> <p>1.2 Inspect dams and storages according to workplace procedures</p> <p>1.3 Read and calculate seepage flow, use rating table to translate and record information according to workplace procedures</p> <p>1.4 Identify assets and structural components requiring routine maintenance or repairs</p>
2 Operate and maintain dam related equipment and structures	<p>2.1 Select and check equipment and materials required for maintenance and repair tasks</p> <p>2.2 Perform routine maintenance according to maintenance schedule</p> <p>2.3 Operate flow control and ancillary devices as part of routine checks</p>
3 Report on dam inspection and maintenance	<p>3.1 Communicate abnormal observations and potential maintenance issues with relevant personnel</p> <p>3.2 Complete dam inspection reports and routine maintenance reports and forward to relevant personnel</p>

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 NWPSOU021 Inspect and maintain basic dams and water storages.

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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