



Australian Government

NWPSOU021 Inspect and maintain basic dams and water storages

Release: 1

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Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP241B Inspect and maintain basic dams and water storages. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Element 1 and 2 reworded • PC 1.3 revised

Application

This unit describes the skills required to undertake inspection of basic dams and water storages and to conduct routine maintenance according to organisational maintenance plans and manufacturer specifications.

This unit applies to those working as field staff with specific responsibility for undertaking basic surveillance and routine maintenance on dams and storages, including urban reservoirs and large wastewater lagoons.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work under supervision, while performing routine tasks in a limited range of familiar contexts.

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

Competency Field

Source

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Undertake inspection	1.1 Select, fit and use safety equipment, including personal protective equipment. 1.2 Carry out routine inspections of dams and storages. 1.3 Read seepage flow device gauge and use table to translate, and record information. 1.4 Identify assets and structural components requiring routine maintenance or repairs.
2. Undertake maintenance of dam or storage equipment and structures	2.1 Select and check equipment and materials required for maintenance and repair tasks. 2.2 Carry out routine maintenance. 2.3 Operate basic flow control, measuring, surveillance and ancillary devices as part of routine checks.
3. Report on dam or storage inspection and maintenance	3.1 Communicate abnormal observations and potentially serious maintenance issues with line management. 3.2 Complete dam inspection reports and routine maintenance reports and forward to relevant personnel.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP241B Inspect and maintain basic dams and water storages.

Links

Companion Volume implementation guides are found in VETNet -

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

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