



Australian Government

NWPSOU023 Monitor and implement dam maintenance

Release: 1

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Modification History

Release	Comments
1	<p>This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages.</p> <p>This unit supersedes and is equivalent to NWP320B Monitor and implement dam maintenance.</p> <ul style="list-style-type: none"> • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.1, 1.2 and 2.1 removed • Two new PC added to Elements 1 and 2

Application

This unit describes the skills required to implement dam maintenance programs, including maintenance of dam safety mechanisms. The ability to interpret technical documentation, investigate and resolve maintenance problems and to collect and analyse technical information is essential to performance.

This unit applies to those working as field and operational staff with a specific responsibility for the maintenance of ungated dams.

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 manufacturer's specifications.

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. Plan and prepare for dam maintenance	1.1 Plan and prepare for dam maintenance according to management plans and relevant documentation. 1.2 Undertake inspection procedures. 1.3 Develop a maintenance plan.
2. Implement dam maintenance plans	2.1 Schedule dam maintenance works. 2.2 Maintain and repair civil and mechanical dam assets. 2.3 Operate and test equipment including winches, valves and gates.
3. Compile maintenance and inspection reports	3.1 Collect required data from inspections, measurement instruments and delegated personnel. 3.2 Collate, process, evaluate, validate, record and store data. 3.3 Record and report structural, material and/or equipment problems. 3.4 Recommend remedial action.

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.

Range of Conditions

Dam types include:	<ul style="list-style-type: none">• concrete• embankment
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Unit Mapping Information

This unit supersedes and is equivalent to NWP320B Monitor and implement dam maintenance.

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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