



Australian Government

NWPSOU005 Develop and manage a dam safety inspection plan

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 develop and manage a dam safety inspection plan.

It includes developing operational procedures, reviewing status of inspection plans, consulting with personnel and stakeholders, developing inspection checklists and gathering historical dam construction maintenance information. It also includes adhering to relevant legislation, industry standards and workplace procedures.

This unit applies to those working as leaders with responsibility for developing and reviewing of dam safety and monitoring. Those undertaking this unit would work autonomously, leading staff, while performing sophisticated tasks in a 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

Source

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan for dam safety inspections

PERFORMANCE CRITERIA

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

1.1 Identify, interpret and assess historical dam construction and maintenance information and evaluate as input to

the planning process

- 1.2** Identify and analyse legislation, workplace procedures, environmental requirements and operational procedures and requirements impacting dam safety inspection planning
 - 1.3** Identify, interpret and assess information relevant for dam safety inspection planning
 - 1.4** Identify, interpret and review the dam safety inspection plan
- 2 Develop dam safety inspection plan**
- 2.1** Identify, interpret and shortlist all factors to be used in the dam safety inspection plan
 - 2.2** Identify, interpret and validate stakeholder requirements, legislation and industry standards impacting the dam safety inspection plan
 - 2.3** Identify and develop operational procedures and inspection checklists used in conjunction with the dam safety inspection plan
 - 2.4** Develop and document a plan for managing dam safety inspections
- 3 Review and refine safety inspection plan**
- 3.1** Consult with dam operational personnel for on-site evaluation of the dam safety inspection plan and inspection checklists
 - 3.2** Review the dam safety inspection plan and checklists and make changes based on feedback from dam operational personnel
 - 3.3** Recommend the implementation of the dam safety inspection plan and inspection checklists
 - 3.4** Provide advice and guidance to dam operational personnel and other stakeholders

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>