



Australian Government

NWPCAD013 Conduct and report dam safety instrumentation monitoring

Release: 1

NWPCAD013 Conduct and report dam safety instrumentation monitoring

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 conduct and report dam safety instrumentation monitoring.

It includes planning, conducting and reporting dam safety instrumentation monitoring. It also includes implementing and reporting on the monitoring of instrumentation installed in dams to provide assurance of their ongoing safety.

This unit applies to those working as field and operational staff with responsibility for monitoring the safety of a dam and reporting faults or trends. 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 Prepare for dam safety monitoring | 1.1 Identify workplace procedures and guidelines for dam safety monitoring |
| | 1.2 Identify and apply operational procedures determining the techniques, methods and equipment used for dam safety monitoring |
| | 1.3 Organise work activities according to workplace requirements and data collection equipment and methods |
| 2 Conduct dam safety monitoring | 2.1 Implement dam safety monitoring procedures and practices including unusual events |
| | 2.2 Ensure equipment is functioning and fit for purpose |
| | 2.3 Record dam instrumentation readings according to workplace procedures |
| | 2.4 Recognise and report monitoring data outside the expected range to relevant personnel |
| 3 Report on dam safety monitoring | 3.1 Add newly recorded information on dam behaviour to historical monitoring information |
| | 3.2 Prepare and submit monitoring instrumentation data |
| | 3.3 Report deviations outside approved limits including potential causes and make recommendations for follow up action |
| | 3.4 Report faulty monitoring equipment to relevant personnel |

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 NWPSOU029 Conduct and report dam safety instrumentation monitoring.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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