Australian Government

RIIWBP203E Monitor tailings dam environments

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

Application

This unit describes the skills and knowledge required to monitor tailings dam environments in coal mining, metalliferous mining and extractive industries. It involves monitoring dam wall characteristics and signs of seepage and adjusting the quantity of water in a tailings dam.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

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

Unit Sector

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Plan and prepare to monitor tailings dam environment	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to monitor tailings dam environments and confirm work activity is compliant 1.3 Coordinate and communicate activities with others according to site requirements within scope of own role 1.4 Select and wear personal protective equipment according to site requirements 1.5 Identify potential risks, hazards and environmental issues,

ELEMENT	PERFORMANCE CRITERIA
	implement control measures within scope of own role, and escalate where required 1.6 Record presence and status of any flora and fauna 1.7 Check and maintain condition of mine site parameters 1.8 Rescue wildlife to sustain life where safe and practical
2. Monitor tailings dam environment and complete records and reports	2.1 Check and monitor dam wall characteristics and any sign of seepage 2.2 Maintain access to decant tower 2.3 Control quantity of water in dam to avoid weakening dam structure within scope of own role, and escalate where required according to site requirements 2.4 Monitor water table depth and water quality, and determine source of water and integrity of dam 2.5 Check visually for depositing of unauthorised materials 2.6 Complete written records and reports according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	• Calculates basic measurements including mass and dimensions
Oral communication	• Conveys information and requirements clearly and listens actively
Reading	• Identifies and interprets specific information from workplace documentation
Self-management	• Monitors and minimises own exposure to worksite risks and hazards during activities
Writing	• Completes records and reports using sector specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIWBP203D Monitor tailings dam environment.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272