



Australian Government

RIIWBP202D Distribute tailings

Release: 2

RIIWBP202D Distribute tailings

Modification History

Release	Comment
1	This unit replaces RIIWBP202A Distribute tailings
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to distribute tailings in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles.

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

1. Plan and prepare to distribute tailings	1.1 Access, interpret, and apply tailings distribution documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret and clarify/confirm work requirements 1.3 Communicate with other personnel using approved communication methods 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Select and check for faults, tools/equipment for work activities 1.6 Identify and address potential risks, hazards and environmental issues, and implement control measures
--	--

	1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.8 Use approved dust suppression and extraction methods 1.9 Prepare site for positioning of equipment 1.10 Position and stabilise equipment
2. Start-up equipment in sequence	2.1 Carry out start-up procedures and complete start-up checks 2.2 Confirm plant is operational
3. Monitor and disperse tailings	3.1 Read and interpret data from equipment indicators to determine deposition parameters 3.2 Continuously inspect plant and identify defects and potential problems 3.3 Adjust equipment to approved operating parameters and optimise performance, maintain efficiency to meet tailings quality targets 3.4 Control feed to equipment 3.5 Monitor bunded areas and manage overflows 3.6 Complete all required documentation 3.7 Continually monitor hazards and risks , and ensure safety of self, other personnel, plant and equipment 3.8 Report spillages 3.9 Complete recording and reporting requirements 3.10 Ensure tailings meet fill plant operating parameters
4. Conduct housekeeping activities	4.1 Clear work area and dispose of or recycle materials 4.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 4.3 Manage and/or report hazards, and maintain a safe working environment 4.4 Process records
5. Shutdown in sequence and/or isolate equipment	5.1 Flush lines to remove all material 5.2 Shutdown or isolate equipment 5.3 Perform post shutdown or isolation checks

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIWBP202A Distribute tailings

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIWBP202D Distribute tailings

Modification History

Release	Comment
1	This unit replaces RIIWBP202A Distribute tailings
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of the distribution of tailings including:
 - correctly interpreting and applying work instructions
 - selecting and using the required tools and equipment
 - working wearing appropriate personal protective equipment
 - identifying and applying hazardous goods handling techniques
 - interpreting reports
 - identifying and applying lifting techniques (manual, cranes and loads)
 - identifying and applying isolation techniques
- works effectively with others to undertake and complete the distribution of tailings that meets all of the required outcomes including:
 - using a range of communication techniques to convey information to others
 - maintaining written and verbal reporting requirements and procedures
- demonstrates completion of the distribution of tailings that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing pre-start and start-up procedures and checks
 - completing shutdown and isolation operations
 - completing dust suppression and extraction operations
 - preparing site and position and stabilise equipment
 - reading and interpreting data from equipment indicators

- controlling feed to equipment
- monitoring bunded areas and managing overflows
- inspecting and adjusting equipment
- cleaning and storing equipment

Knowledge Evidence

The candidate must demonstrate knowledge in distributing tailings through:

- identifying equipment processes, technical capability and limitations
- identifying and applying techniques for flushing lines
- identifying repair requirements
- accessing and interpreting metallurgical and technical data (basic) relating to tailings
- identifying and applying techniques for pumping systems
- identifying and applying techniques for reclaiming ponds/dams
- identifying and applying techniques for securing pipes
- identifying and applying security, site and spillage procedures

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>