



Australian Government

RIIWBP201D Treat and dispose of rejects and tailings

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIWBP201A Treat and dispose of rejects and 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 treat and dispose of rejects and tailings in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles.

No licensing, legislation 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 for the treatment and disposal of rejects and tailings	1.1 Access, interpret and apply treatment and disposal of rejects and tailings documentation and ensure the work activity is compliant 1.2 Access, interpret and clarify mineralogical data 1.3 Obtain, read , interpret and clarify work instructions 1.4 Inspect and prepare work area in coordination with others 1.5 Identify and acquire required materials, equipment and personnel 1.6 Identify, address and report environmental issues, potential hazards and risks 1.7 Select and wear personal protective equipment appropriate for
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	work activities 1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Carry out treatment and disposal	2.1 Communicate and coordinate activities with others at the site throughout the work activities 2.2 Carry out pre-start, start-up and shutdown procedures 2.3 Monitor and adjust the displacement or addition of water to maintain the disposal of rejects 2.4 Monitor and adjust the displacement or addition of additives to materials to maintain the treatment and disposal of tailings 2.5 Monitor and adjust the addition of settling and clarity agents to maintain density prior to disposal of tailing 2.6 Dispose of rejects and tailings 2.7 Act on or report monitoring systems and alarms 2.8 Continually monitor hazards and risks , and ensure safety of self, other personnel, plant and equipment
3. Carry out post-operational procedures	3.1 Inspect, fault find and report faults 3.2 Carry out operator maintenance, servicing and housekeeping tasks 3.3 Maintain process and pass on records and reports

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

RIIWBP201A Treat and dispose of rejects and 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 RIIWPB201D Treat and dispose of rejects and tailings

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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 treatment and disposal of rejects and tailings including:
 - correctly interpreting and applying work instructions
 - selecting and using the required tools and equipment
 - working wearing appropriate personal protective equipment
 - accessing, interpreting and applying technical information
 - identifying and applying diagnostic techniques
 - identifying and applying chemical and fuel safety measures
 - disposal of environmentally sensitive fluids and materials
- works effectively with others to undertake and complete the treatment and disposal of rejects and tailings that meet 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 treatment and disposal of rejects and tailings that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing pre-start, start-up and shutdown operations
 - reading and interpreting mineralogical data
 - inspecting and preparing the work area, including

- identification of hazards
- selection and implementation of hazard control measures
- monitoring and adjusting the displacement and addition of water
- monitoring and adjusting additives to materials
- monitoring and adjusting the addition of settling and clarity agents
- inspecting, finding, recording and reporting faults
- completing operator maintenance of tools and equipment

Knowledge Evidence

The candidate must demonstrate knowledge in treating and disposing of rejects and tailings through:

- identifying and complying with site operational, quality and communication requirements
- identifying site product characteristics
- accessing, interpreting and using site geological and survey data
- identifying and applying plant pre-start, start-up, operating and shutdown techniques
- identifying plant components functions, characteristics, technical capability and limitations
- identifying and complying with plant isolation procedures
- identifying and applying contaminant identification techniques
- accessing, interpreting and applying site environmental requirements and constraints

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

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