



Australian Government

RIPBE310D Conduct flotation process

Release: 2

RIIPBE310D Conduct flotation process

Modification History

Release	Comment
1	This unit replaces RIIPBE310B Conduct flotation process
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 conduct flotation process in Metalliferous and Coal mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Coal mining

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for flotation process	1.1. Access, interpret and apply flotation process documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret clarify and confirm work requirements 1.3. Coordinate and communicate with other personnel using approved communication methods 1.4. Select and wear personal protective equipment appropriate for work activities 1.5. Select appropriate type of auxiliary equipment for work activities 1.6. Perform equipment pre-start checks to ensure equipment is ready for operation
---	--

	<p>1.7. Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.8. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p>
2. Start-up equipment in sequence	<p>2.1. Carry out start-up procedures and completes start-up checks according to plant configurations and system requirements</p> <p>2.2. Confirm plant is operational</p>
3. Operate and monitor flotation equipment	<p>3.1. Read and interpret data from equipment indicators</p> <p>3.2. Continuously inspect and monitor plant and identify flotation process defects and potential problems</p> <p>3.3. Assess mineral content of ore according to flotation parameters</p> <p>3.4. Make appropriate adjustments to flotation process</p> <p>3.5. Adjust equipment to prescribed operating parameters</p> <p>3.6. Control feed to flotation equipment</p> <p>3.7. Add reagents according to operating parameters</p> <p>3.8. Carry out operator level maintenance</p> <p>3.9. Complete all required documentation concisely and on time</p> <p>3.10. Pass on end of shift information to oncoming shift</p>
4. Shut down in sequence and/or isolate equipment	<p>4.1. Shut down and/or isolate equipment based on process and safety requirements</p> <p>4.2. Perform post shut down and/or isolation checks</p> <p>4.3. Restore plant to service</p>
5. Conduct housekeeping activities	<p>5.1. Clear work area and dispose of or recycle materials</p> <p>5.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues</p> <p>5.3. Process records</p>

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

RIIPBE310B Conduct flotation process

Links

Companion Volume implementation guides are found in VETNet -

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