



Australian Government

RIIPBE308D Conduct thickening and clarifying process

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIPBE308B Conduct thickening and clarifying 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 thickening and clarifying 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 thickening and clarifying process	1.1. Access, interpret and apply thickening and clarifying 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
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	1.7. Identify and address potential risks, hazards and environmental issues, and implement control measures 1.8. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.9. Use dust suppression and extraction methods 1.10. Ensure area is well ventilated
2. Start-up equipment in sequence	2.1. Carry out start-up procedures and complete start-up checks according to plant configurations and system requirements 2.2. Confirm plant is operational
3. Operate and monitor equipment	3.1. Read and interpret data from equipment indicators to determine torque, bed characteristics, flow characteristics and reagent dosage 3.2. Continuously inspect plant 3.3. Control discharge of underflow/overflow agents to agreed operating parameters 3.4. Direct underflow/overflow to alternate location according to work specifications 3.5. Monitor performance of thickener to meet agreed operating parameters 3.6. Complete all required written documentation concisely and on time 3.7. Pass on shift changeover details to oncoming shift
4. Shutdown in sequence and/or isolate equipment	4.1. Shutdown and/or isolate equipment based on process and safety requirements 4.2. Perform post-shutdown and/or isolation checks 4.3. Restore plant to service
5. Conduct housekeeping activities	5.1. Clear work area and dispose of or recycle materials 5.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 5.3. Process records

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

RIIPBE308B Conduct thickening and clarifying process

Links

Companion Volume implementation guides are found in VETNet -

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