



Australian Government

RIIPHA303D Operate agglomeration circuit

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIPHA303A Operate agglomeration circuit
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 operate agglomeration circuit in Metalliferous 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

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for agglomeration process	1.1. Access, interpret and apply agglomeration circuit documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Select, and check for faults, equipment/tools for work activities 1.4. Select and wear personal protective equipment appropriate for the activity 1.5. Identify and address potential risks, hazards and environmental issues, and implement control measures 1.6. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.7. Check and test remote control and equipment for correct
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	operation
2. Start-up agglomeration circuit	2.1. Carry out pre-start checks 2.2. Ensure that all agglomeration circuit drives are set to remote and ready for operation 2.3. Ensure that all downstream equipment is operational and ready to receive the agglomerated product 2.4. Ensure that all feed circuits (including specific feed blend requirements) to the agglomeration circuit are available and ready to operate 2.5. Initiate plant operator sequence start
3. Operate and monitor agglomeration circuit	3.1. Read and interpret data from equipment indicators to determine agglomeration circuit efficiencies 3.2. Continuously monitor circuit to identify defects and potential problems 3.3. Adjust equipment within approved operating parameters to optimise performance, maintain efficient agglomeration and to meet product quality targets 3.4. Monitor and adjust the feed rate 3.5. Monitor and control the addition rate of binding agent 3.6. Monitor and control the dosing rate of leaching solution 3.7. Monitor and control the dosing concentration of leaching solution 3.8. Monitor and adjust the drum speed ratio 3.9. Complete all required documentation clearly, concisely and on time 3.10. Communicate end of shift information to oncoming shift
4. Respond to contingencies	4.1. Respond to alarms 4.2. Clear circuit blockages in accordance with site procedures 4.3. Perform manual start-up of individual items of equipment 4.4. Report maintenance issues as required
5. Monitor quality of agglomerate	5.1. Carry out physical tests to check quality of agglomerate 5.2. Organise laboratory tests to check quality of agglomerate 5.3. Respond to test information
6. Shutdown and maintain of	6.1. Initiate circuit shutdown 6.2. Perform post shutdown checks

agglomeration circuit	6.3. Isolate equipment 6.4. Prepare agglomeration circuit for maintenance 6.5. Operate agglomeration drum using local control 6.6. Operate automated lubrication system and perform operator maintenance as required
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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

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Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>