



Australian Government

RIIPHA302D Operate and monitor filter processes

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIPHA302A Operate and monitor filter processes
2	Removed repetition from Performance Criteria.
3	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 and monitor filter processes 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 filtering process	1.1. Access, interpret and apply filter processes documentation and ensure the work activity is compliant 1.2. Obtain, 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
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	for fire/accident/emergency 1.7. Communicate with other personnel using approved communication methods 1.8. Check and test remote control and monitoring systems for correct operation 1.9. Use approved dust suppression and extraction methods and ensure work area is ventilated
2. Start-up equipment in sequence	2.1. Carry out start-up checks and procedures according to plant configurations and system requirements 2.2. Confirm plant readiness for operation
3. Operate and monitor equipment	3.1. Take and interpret data from indicator readings to determine filtering efficiency 3.2. Continuously monitor plant and identify defects and potential problems 3.3. Adjust equipment to approved operating parameters to optimise performance, maintain efficient filtering and to meet product quality targets 3.4. Control feed to equipment 3.5. Monitor moisture in cake and density of filtrate 3.6. Monitor cleaning processes 3.7. Monitor and maintain air systems to specified moisture parameters 3.8. Maintain cleanliness of pressure/vacuum systems 3.9. Complete all required documentation clearly, concisely and on time
4. Shutdown in sequence and/or isolate equipment	4.1. Clear slurry from filtering circuit after commencing shutdown 4.2. Check and clean filter chamber and changes failed filter components 4.3. Shutdown or isolate equipment based on process and safety requirements 4.4. Perform post shutdown or isolation checks 4.5. Communicate end of shift information to oncoming shift
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

RIIPHA302 Operate and monitor filter processes

Links

Companion Volume implementation guides are found in VETNet -

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