



Australian Government

RIIPBE304D Conduct heavy media separation

Release: 2

RIIPBE304D Conduct heavy media separation

Modification History

| Release | Comment |
|---------|---|
| 1 | This unit replaces RIIPBE304B Conduct heavy media separation |
| 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 heavy media separation 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

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| 1. Plan and prepare for heavy media separation | 1.1. Access, interpret and apply heavy media separation documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Communicate with other personnel using approved method 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. Carry out pre-start, start-up, park up, shutdown and secure equipment procedures 1.7. Identify and address potential risks, hazards and |
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| | <p>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 complete start-up checks according to plant configurations and system requirements</p> <p>2.2. Confirm plant is operational</p> |
| 3. Operate and monitor equipment | <p>3.1. Read and interpret data from equipment indicators</p> <p>3.2. Continuously inspect plant</p> <p>3.3. Adjust equipment to optimise separation performance and product quality</p> <p>3.4. Control feed to plant</p> <p>3.5. Monitor and adjust heavy media levels</p> <p>3.6. Monitor and adjust levels of separating baths</p> <p>3.7. Monitor the efficiency of the heavy media separation process</p> <p>3.8. Carry out operator level maintenance</p> <p>3.9. Complete all required documentation clearly, concisely and on time</p> |
| 4. Shutdown in sequence and/or isolate equipment | <p>4.1. Shutdown and/or isolate equipment based on process and safety requirements</p> <p>4.2. Perform post-shutdown and/or isolation checks</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. Manage and/or report hazards, and maintain a safe working environment</p> <p>5.4. 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

RIIPBE304B Conduct heavy media separation

Links

Companion Volume implementation guides are found in VETNet -

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