



Australian Government

RIIPBE204D Conduct reduction process

Release: 2

RIIPBE204D Conduct reduction process

Modification History

Release	Comment
1	This unit replaces RIIPBE204A Conduct reduction 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 reduction process 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 reduction operations	1.1. Access, interpret and apply reduction process documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Coordinating 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 1.7. Identify and address potential risks, hazards and
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	environmental issues, and implement control measures 1.8. Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.9. Use approved dust suppression and extraction methods
2. Start up equipment in sequence	2.1. Carry out start up procedures and completes start up checks according to plant configurations and system requirements 2.2. Confirm plant is operational
3. Operate and monitor equipment	3.1. Read, interpret and apply data from equipment indicators to determine reduction efficiency 3.2. Continuously inspect and monitor operations/plant and catchment areas to identify reduction process defects and potential problems 3.3. Adjust equipment to approved operating parameters to optimise reduction, maintain efficient reduction 3.4. Add reagents to approved operating parameters 3.5. Determine the effects adjustments have on upstream or downstream outputs and communicate to others 3.6. Complete all required documentation clearly, concisely and on time 3.7. Pass on end of shift information verbally or in writing to oncoming shift
4. Shutdown in sequence and/or isolate equipment	4.1. Shutdown or isolate equipment based on process and safety requirements 4.2. Perform post shutdown or isolation checks 4.3. Return equipment 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. Manage and/or report hazards, and maintain a safe working environment 5.4. 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

RIIPBE204A Conduct reduction process

Links

Companion Volume implementation guides are found in VETNet -

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