



Australian Government

RIIPBE205D Conduct roasting operations

Release: 2

RIIPBE205D Conduct roasting operations

Modification History

Release	Comment
1	This unit replaces RIIPBE205B Conduct roasting operations
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 roasting operations in Metalliferous Mining.

This unit is appropriate for those working 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 roaster operations	1.1. Access, interpret and apply roasting operations 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. Identify and address potential risks, hazards and environmental issues, and implement control measures 1.7. Obtain and interpret emergency procedures, and be prepared
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	for fire/accident/emergency 1.8. Use approved dust suppression and extraction methods 1.9. Ensure area is well ventilated before entry into work area
2. Manage delivery of concentrate to fluid bed roaster	2.1. Monitor feed mechanism operation (e.g. conveyor systems) 2.2. Monitor operating requirements 2.3. Adjust feed rate as required 2.4. Determine the effects adjustments have on upstream or downstream outputs and communicate to others
3. Monitor operation of fluid bed roaster	3.1. Read and interpret and apply data from equipment indicators to determine roaster efficiency 3.2. Continuously inspect operations/plant and catchment areas to identify roaster process defects and potential problems 3.3. Adjust cooling systems to optimise roaster operation temperature 3.4. Complete all required written documentation clearly, concisely and on time 3.5. Pass on end of shift information verbally or in writing to oncoming shift
4. Manage roaster products	4.1. Monitor gas by-product output and cooling 4.2. Monitor calcine cooling systems 4.3. Regulate the operation of calcine and gas cooling systems 4.4. Action and report all roaster operating and cooling system alarms 4.5. Communicate with personnel to ensure effective management of roaster products and by-products

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

RIIPBE205B Conduct roasting operations

Links

Companion Volume implementation guides are found in VETNet -

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