



Australian Government

RIIPRE201D Conduct solvent extraction

Release: 2

RIIPRE201D Conduct solvent extraction

Modification History

Release	Comment
1	This unit replaces RIIPRE201A Conduct solvent extraction
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 apply conduct solvent extraction 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 solvent extraction	<p>1.1 Access, interpret and apply documentation and procedures for conducting solvent extraction and ensure the work activity is compliant</p> <p>1.2 Receive, interpret and clarify shift changeover details</p> <p>1.3 Communicate with other personnel job requirements</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Select appropriate type of auxiliary equipment</p> <p>1.6 Perform equipment pre-start checks</p> <p>1.7 Identify, address and report potential risks and hazards</p> <p>1.8 Identify, address and report environmental issues</p>
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	<p>1.9 Adhere to emergency procedures</p> <p>1.10 Use dust suppression and extraction methods</p> <p>1.11 Ensure area is well ventilated</p>
2. Start-up equipment in sequence	<p>2.1 Carry out start-up procedures and completes 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 operations/plant and containment areas for defects and potential problems</p> <p>3.3 Adjust equipment to approved operating parameters</p> <p>3.4 Add reagents to approved operating parameters</p> <p>3.5 Carry out operator level maintenance</p> <p>3.6 Complete all required documentation</p> <p>3.7 Pass on end of shift information verbally or in writing to incoming shift</p>
4. Conduct housekeeping activities	<p>4.1 Clear work area and dispose of or recycle materials</p> <p>4.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues</p> <p>4.3 Manage and/or report hazards, and maintain a safe working environment</p> <p>4.4 Process records</p>
5. Shutdown in sequence and/or isolate equipment	<p>5.1 Shutdown or isolate equipment based on process and safety requirements</p> <p>5.2 Perform post shutdown or isolation checks</p> <p>5.3 Return equipment to service</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

RIIPRE201A Conduct solvent extraction

Links

Companion Volume implementation guides are found in VETNet -

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