



Australian Government

RIIPRE302D Conduct elution processes

Release: 2

RIIPRE302D Conduct elution processes

Modification History

Release	Comment
1	This unit replaces RIIPRE302A Conduct elution processes
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 elution 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 elution process	1.1 Access, interpret and apply documentation and procedures for conducting elution processes and ensuring the work activity is compliant 1.2 Receive, interpret and clarify shift changeover details 1.3 Communicate job requirements with other personnel 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 1.7 Identify, address and report potential risks and hazards
---	---

	1.8 Identify, address and report environmental issues 1.9 Adhere to emergency procedures 1.10 Use dust suppression and extraction methods 1.11 Ensure area is well ventilated
2. Start-up equipment in sequence	2.1 Complete start-up checks according to plant configurations and system requirements 2.2 Confirm plant is operational 2.3 Prepare carbon regeneration kilns and heat exchanges according to site requirements 2.4 Prepare elution column for loading 2.5 Load elution column 2.6 Sample column for carbon content and measure level of carbon 2.7 Prepare circuit for start-up and start circuit in sequence
3. Operate and monitor equipment	3.1 Read and interpret data from equipment indicators 3.2 Continuously inspect operations/plant and containment areas 3.3 Adjust equipment to operating parameters 3.4 Operate pumps and valves to mix reagents 3.5 Add reagents to operating parameters according to site procedures 3.6 Carry out operator level maintenance 3.7 Complete all required documentation 3.8 Pass on end of shift information to incoming shift 3.9 Sample pregnant and barren solution 3.10 Return barren solution according to site procedures
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
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

RIIPRE302A Conduct elution processes

Links

Companion Volume implementation guides are found in VETNet -

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