



Australian Government

RIPBP301D Process lime products

Release: 2

RIIPBP301D Process lime products

Modification History

Release	Comment
1	This unit replaces RIIPBP301A Process lime products
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 process lime products 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 lime production operation	1.1. Access, interpret and apply lime products processing documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Select, and check for faults, equipment/tools for work activities 1.4. Select and wear personal protective equipment appropriate for the activity 1.5. Identify and address potential risks, hazards and environmental issues, and implement control measures 1.6. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.7. Carry out routine safety checks and equipment pre-start
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	checks
2. Operate crushed limestone feed systems	<p>2.1. Start-up feed systems in sequence using Distributed Control Systems (DCS)</p> <p>2.2. Monitor feeder plant and equipment and identify, address and/or report faults and malfunctions using DCS</p> <p>2.3. Interpret and respond to alarms and indicators using DCS</p> <p>2.4. Monitor and adjust feed rates to meet processing requirements using DCS</p> <p>2.5. Observe safety procedures when working around feeder plant and equipment</p> <p>2.6. Perform feeder shutdown procedures and/or isolate equipment in sequence using DCS</p> <p>2.7. Return limestone feed system to service</p>
3. Conduct lime kiln operations	<p>3.1. Operate, monitor and adjust kiln processing systems and media using DCS</p> <p>3.2. Monitor performance of burners using DCS and adjust and/or replace burner components</p> <p>3.3. Operate and adjust discharge tables to meet production requirements</p> <p>3.4. Monitor and maintain discharged limestone temperature to within specified parameters using DCS</p> <p>3.5. Observe safety procedures for entering hot kilns</p>
4. Monitor and control discharge of burnt lime to slaking plant storage	<p>4.1. Monitor and control burnt lime conveyor/flow system for clear flow and delivery of burnt lime using DCS</p> <p>4.2. Monitor and control the temperature of burnt lime to ensure it does not exceed maximum allowable temperature using DCS</p> <p>4.3. Interpret and respond to alarms and indicators</p> <p>4.4. Monitor and control crushing plant</p> <p>4.5. Monitor and control input and discharge of silos</p> <p>4.6. Monitor and control dust extraction plant and equipment to maintain a safe atmosphere and minimise product loss</p> <p>4.7. Observe safety procedures when working with burnt limestone</p>
5. Monitor and control milk of lime plant	<p>5.1. Monitor and control the process stream through the milk of lime plant</p> <p>5.2. Interpret and respond to alarms and indicators</p> <p>5.3. Control slaking plant operation</p>

	<ul style="list-style-type: none">5.4. Monitor and adjust milk of lime density to meet specification5.5. Monitor and control pumping of milk of lime5.6. Observe safety procedures when working with radiation devices
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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

RIIPBP301A Process lime products

Links

Companion Volume implementation guides are found in VETNet -

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