



Australian Government

RIIPGP205D Handle, store and use cyanide

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIPGP205A Handle, store and use cyanide
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 handle, store and use cyanide in Metalliferous mining (Gold).

This unit is appropriate for those working in operational roles where risk needs to be managed.

No licensing or certification requirements apply to this unit at the time of publication.

Unit Sector

Metalliferous mining (Gold)

Elements and Performance Criteria

1. Plan and prepare to access and apply site Cyanide safety procedures	1.1. Access, interpret and apply cyanide storage, handling and usage documentation and ensure the work activity is compliant 1.2. Obtain, interpret, clarify and confirm work instructions and shift changeover details before proceeding 1.3. Select and wear personal protective equipment appropriate for the activity 1.4. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.5. Access, interpret and apply compliance documentation relevant to the safe handling, storage and use of cyanide 1.6. Apply mine site safety reporting procedures
2. Apply personal	2.1. Maintain a clean and tidy workplace

safety measures	<p>2.2. Use and maintain appropriate personal protective equipment</p> <p>2.3. Apply correct hazardous substance safety procedures</p> <p>2.4. Obtain permits and clearance before specialised work is carried out, according to site procedures</p>
3. Identify and report incidents/hazards	<p>3.1. Identify, manage and report potential hazards, risks and emergencies</p> <p>3.2. Report incidents to approved personnel</p> <p>3.3. Record in writing clearly and concisely the details of any incident, hazards and/or injury</p>
4. Protect workers and the environment during cyanide handling and storage	<p>4.1. Identify quality control and quality assurance procedures, spill prevention and spill containment measures</p> <p>4.2. Maintain and control unloading, storage and mixing facilities using routine inspections, preventive maintenance and contingency plans to prevent or contain releases and control and respond to worker exposures</p>
5. Manage cyanide process solutions and HCN gas emissions to protect human health and the environment	<p>5.1. Identify and apply operating systems and procedures designed to protect human health and the environment</p> <p>5.2. Identify and apply management and operating systems designed to monitor and minimise cyanide use</p> <p>5.3. Identify and apply measures to protect birds, other wildlife and livestock from adverse effects of cyanide process solutions</p> <p>5.4. Identify and apply measures designed to manage seepage from cyanide facilities to protect the beneficial uses of ground water</p> <p>5.5. Identify and apply spill prevention or containment measures for process tanks and pipelines</p>
6. Protect workers' health and safety from exposure to cyanide solutions and HCN gas	<p>6.1. Identify potential cyanide exposure scenarios and measures necessary for their elimination, reduction and control</p> <p>6.2. Operate and monitor cyanide facilities to protect worker health and safety and periodically evaluate the effectiveness of health and safety measures</p> <p>6.3. Identify and apply emergency response plans or procedures regarding worker exposure to cyanide</p>
7. Apply emergency procedures	<p>7.1. Recognise and respond to alarms and warning devices</p> <p>7.2. Identify and correctly use self-rescue equipment in</p> <p>7.3. Apply basic fire fighting techniques</p> <p>7.4. Maintain familiarity with site established emergency escape route(s)</p>

	7.5. Apply mine site emergency response plans and procedures
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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

RIIPGP205A Handle, store and use cyanide

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>