



Australian Government

RIIPGP202D Handle reagents

Release: 2

RIIPGP202D Handle reagents

Modification History

Release	Comment
1	This unit replaces RIIPGP202A Handle reagents
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 reagents 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 reagents handling	1.1. Access, interpret and apply reagents handling documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work instructions 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. Communicate with other personnel using approved
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	communication methods 1.8. Select appropriate type of auxiliary equipment for work activities 1.9. Perform equipment pre-start checks 1.10. Select appropriate reagents 1.11. Use approved fume suppression and extraction methods
2. Start-up equipment in sequence	2.1. Carry out start-up procedures and complete start-up checks according to plant configurations and system requirements 2.2. Confirm plant is operational
3. Mix reagents	3.1. Safely mix reagents to required parameters 3.2. Continuously inspect plant and identify defects and potential problems
4. Add reagents	4.1. Add reagent according to specified dosage and recommended location 4.2. Complete all required written documentation clearly, concisely and on time
5. Transfer and store reagents	5.1. Transfer reagents 5.2. Store reagents in approved storage facility 5.3. Confirm sufficient quantities of reagents are maintained
6. Shutdown in sequence and/or isolate equipment	6.1. Shutdown or isolate equipment in sequence 6.2. Perform post shutdown or isolation checks 6.3. Communicate end of shift information verbally or in writing to oncoming shift
7. Conduct housekeeping activities	7.1. Clean and check tools and equipment 7.2. Maintain and store tools and equipment

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

RIIPGP202A Handle reagents

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIPGP202D Handle reagents

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable, documentation, policies and procedures
- implements requirements, procedures and techniques for the safe, effective handling of reagents activities including:
 - performing pre-start checks
 - diagnosing faults, identifying and addressing hazards
 - selecting and using lifting equipment (manual, cranes and loads)
 - using and selecting appropriate tools and equipment
 - identify and select safe work practices
- works effectively with others to undertake and complete the handling of reagents that meets all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements and procedures
 - communicating to confirm work/plans/specifications
 - passing on end of shift information
- demonstrates completion of the handling of reagents that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - performing correct sequencing for starting up equipment
 - correctly operating and monitoring equipment including:
 - inspecting operations/plant
 - selecting, mix and add reagents to required parameters and specified dosage

- transferring and storing reagents
- inspecting plant and identify defects and potential problems
- performing shutdown and isolation checks in sequence

Knowledge Evidence

The candidate must demonstrate knowledge in Handle reagents activities through:

- identifying and managing risks and hazards
- identifying, addressing and reporting environmental issues setting up work activity
- complying with isolation and breakdown procedures and responsibilities
- complying with work health and safety practices
- complying with emergency procedures
- maintaining equipment safety requirements
- applying waste procedures
- carrying out work according to reagents handling principles and systems
- complying with WHS procedures
- using operational procedures and checks
- applying site safety requirements
- applying hazardous goods and consequences of spills procedures
- complying with site procedures
- applying site safety requirements
- • selecting and checking for faults, tools and equipment to carry out tasks
- monitoring operations
- reporting defects
- applying safe work practices
- identifying contaminant
- identifying and complying with equipment limitations and maintaining operating parameters
- complying with equipment safety requirements
- identifying repair requirements
- applying isolation procedures
- interpreting and applying metallurgical and technical data (basic)
- applying operational procedures and checks

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,

- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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