



Australian Government

RIIPGP301D Conduct drying activities

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIPGP301A Conduct drying activities.
2	Amended Performance Criteria to remove repetition.
3	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 conduct drying activities 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 drying activities	1.1 Access, interpret and apply drying activities documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 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 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.6 Communicate with other personnel using approved
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	communication methods 1.7 Select drying method appropriate for work activities 1.8 Select appropriate auxiliary equipment for work activities 1.9 Perform equipment pre-start checks to ensure equipment is ready for operation 1.10 Use approved dust suppression and extraction methods 1.11 Ensure area is well ventilated before entry
2. Start-up equipment in sequence	2.1 Carry out start-up procedures and complete start-up checks 2.2 Confirm plant is operational
3. Operate and monitor equipment	3.1 Monitor the drying process 3.2 Take and interpret data from equipment indicator readings to determine drying efficiency 3.3 Continuously inspect operations/plant and catchment areas/sumps to identify drying process defects and potential problems 3.4 Adjust equipment to approved operating parameters to optimise and maintain efficient drying and to meet product quality targets 3.5 Take samples and conduct tests at all stages of process 3.6 Add reagents to approved operating parameters 3.7 Carry out minor maintenance to maintain condition of equipment 3.8 Complete all required documentation 3.9 Complete shift handover
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

RIIPGP301A Conduct drying activities

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 RIIPGP301D Conduct drying activities

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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 legislation, documentation, policies and procedures
- implements requirements, procedures and techniques for the safe, effective conducting of drying activities including:
 - selecting and using relevant tools and equipment
 - handling dangerous materials
 - reading and interpreting instrumentation
 - operating lift equipment (manual, cranes and loads)
 - diagnosing faults and performing troubleshooting
- works with others to undertake and complete the conduct of drying activities 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 requirements
 - passing on end of shift information
 - reviewing plant performance with oncoming shift
- demonstrates completion of the conduction of drying that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing equipment start-up in sequence

- correctly operating and monitoring equipment including:
 - starting up drying plant,
 - monitoring drying process,
 - taking and interpreting data from equipment indicator readings to determine drying efficiency
- inspecting operations/plant and catchment areas/sumps to identify drying process defects and potential problems
- adjusting equipment to approved operating parameters to optimise and maintain efficient drying and to meet product quality targets
- taking samples and conducting tests
- adding reagents to approved operating parameters

Knowledge Evidence

The candidate must demonstrate knowledge of conducting drying activities through:

- diagnosing faults
- interpreting e-reports
- maintaining records
- monitoring operations
- reporting defects
- applying troubleshooting
- identifying contaminants
- applying drying process (basic)
- applying environmental procedures
- maintaining equipment limitations and operating parameters
- complying with equipment safety requirements
- interpreting metallurgical and technical data (basic)
- complying with operational procedures and checks
- identifying and applying pumping system and flow charts (pipeline and sprinkler systems)
- identifying reagent types
- using sampling
- identifying types of ores (basic)
- being prepared for fire/accident/emergency

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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