



Australian Government

RIIPGP204D Carry out bore-field operations

Release: 2

RIIPGP204D Carry out bore-field operations

Modification History

Release	Comment
1	This unit replaces RIIPGP204A Carry out bore-field operations
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 carry out bore-field operations 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 bore-field operations	1.1. Access, interpret and apply bore-field operations 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. Select, and check for faults, equipment/tools for work activities. 1.6. Identify and address potential risks, hazards and environmental issues, and implement control measures
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	1.7. Receive, interpret and clarify shift changeover details 1.8. Communicate with other personnel using approved communication methods 1.9. Select appropriate equipment and reagents according to job type to maximise efficiency and effectiveness of work activities
2. Carry out bore-field activities	2.1. Perform equipment pre-start checks to ensure equipment is ready for operation 2.2. Dip bore and record water level 2.3. Take sample and test 2.4. Adjust water quality and quantity to meet processing requirements 2.5. Monitor water storage levels
3. Operate and monitor bore-field equipment	3.1. Take and interpret data from equipment indicator readings and adjust flow to maintain dam/tank levels 3.2. Continuously inspect plant and pipelines to identify defects and potential problems 3.3. Identify, remove and dispose of contaminants to environmental and site requirements 3.4. Adjust equipment to approved operating parameters to optimise performance, maintain efficient water treatment systems and to meet water quality targets 3.5. Observe safety procedures regarding protection from the elements and communication with site
4. Conduct housekeeping activities	4.1. Clear work area and dispose of or recycle materials 4.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 4.3. Manage and/or report hazards, and maintain a safe working environment 4.4. Process records 4.5. Communicate end of shift information verbally or in writing to oncoming shift

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

RIIPGP204A Carry out bore-field operations

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 RIIPGP204D Carry out bore-field operations

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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 bore-field operations activities including:
 - performing pre-start checks
 - diagnosing faults, identifying and addressing hazards
 - selecting and using required tools and equipment
 - continuously inspect plant and pipelines to identify defects and potential problems
 - selecting and using lifting equipment (manual, cranes and loads)
 - applying breakdown procedures
 - applying bore / catchment/dam procedures
 - applying detoxification procedures
 - comply with emergency procedures
 - comply with environmental and heritage procedures
 - comply with isolation procedures
- works effectively with others to undertake and complete the bore-field operations 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
 - clarifying and confirming work requirements

- demonstrates completion of bore-field operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - correctly operating and monitoring equipment including
 - planning and preparing for bore-field activities,
 - monitoring water,
 - monitoring bore-field equipment
 - taking and interpreting data from equipment indicator readings
 - adjusting flow to maintain dam/tank levels
 - adjusting equipment to approved operating parameters to optimise performance, maintain efficient water treatment systems and to meet water quality targets

Knowledge Evidence

The candidate must demonstrate knowledge in bore-field operation activities through:

- identifying and managing risks and hazards
- identifying, addressing and reporting environmental issues
- isolation and breakdown procedures and responsibilities
- complying with work health and safety practices
- complying with emergency procedures
- complying with equipment safety requirements
- managing waste procedures
- carrying out work according to air cleaning principles and systems
- complying with WHS procedures
- using operational procedures and checks
- apply lifting techniques (manual, cranes and loads)
- identifying contaminants
- understanding equipment processes, technical capability and limitations
- complying with hazardous goods procedures and consequences of spills
- identifying repair requirements
- comply with operational procedures and checks
- monitoring and using pumping systems
- identifying reagents
- identifying repair requirements

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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