



**Australian Government**

# **RIIOGD206D Assist with coal seam gas control**

**Release: 2**

# RIIOGD206D Assist with coal seam gas control

## Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIOGD206A Assist with coal seam gas control                                                                                                                                                                                                                                                 |
| 2       | Required frequency and volume of evidence amended in Performance evidence.<br>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 apply assist with coal seam gas control in Coal Mining and Drilling. This unit is appropriate for those working in assisting role.

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

## Unit Sector

Coal mining

Drilling

## Elements and Performance Criteria

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan and prepare for assisting with coal seam gas control | <p>1.1 Access, interpret and apply coal seam gas control documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select the personal protective equipment appropriate for the work activity</p> <p>1.5 Resolve coordination requirements with others at the site prior to commencing and during work activities</p> |
| 2. Assist with coal seam gas control activities              | <p>2.1 Monitor flows and returns for correct volumes and rates, and report inconsistencies to Driller</p>                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | <p>2.2 Assist in operation of coal seam gas control pumps</p> <p>2.3 Read and interpret measuring devices to monitor correct operation of coal seam gas control process and equipment</p> <p>2.4 Communicate operational activities and information to other crew during coal seam gas control operations</p> <p>2.5 Assist in installation and maintenance of equipment</p> <p>2.6 Participate in emergency drills and exercises</p>           |
| 3. Monitor and report safety issues | <p>3.1 Identify, address and report hazards associated with coal seam gas control under varying working conditions</p> <p>3.2 Recognise kick indicators and advise Driller during coal seam gas control operations</p> <p>3.3 Identify and report ignition sources</p> <p>3.4 Identify and report sources and presence of flammable gases and emissions</p> <p>3.5 Identify and report running coal seam gas control equipment malfunctions</p> |

## 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

RIIOGD206A Assist with coal seam gas control

## 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 RIIOGD206D Assist with coal seam gas control

## Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                         |
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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 the requirements, procedures and techniques for the safe, effective and efficient assisting with coal seam gas control including:
  - applying gauge and graph interpreting skills
  - applying work instruction and procedures interpreting skills
  - applying recording and reporting procedures for operations and issues
- works effectively with others to undertake and complete coal seam gas control that meets all of the required outcomes including:
  - working in teams and organising work activities to meet all task requirements
  - communicating clearly and concisely with others to receive and clarify work instructions
  - uses a range of communication strategies and techniques to communicate information to others
- demonstrates completion of assisting with coal seam gas control that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - identifying flammable gases, emissions and ignition sources
  - assisting in the installation and maintenance of coal seam gas control equipment
  - operating a minimum of four (4) coal seam gas control equipment including:
    - mud system

- blooie diverter lines
- auxiliary equipment
- pressure measuring devices
- gas detection equipment and devices
- diverters
- participate in emergency drills and exercises on site

## Knowledge Evidence

The candidate must demonstrate knowledge in assisting with coal seam gas control through:

- the principles and practices of coal seam gas control
- and complying with control procedures
- determining risks and their controls
- sources of ignition and their dangers and controls
- sources of flammable gases and emissions and their dangers and controls
- pumping systems principles
- the purpose, operation and interpretation of measuring and testing devices
- and enacting on kick detection warnings and indications and the responses to them
- purpose, type and conduct of emergency drills and exercises
- using communication methods and protocols

## 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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