



**Australian Government**

# **RIIOGD305D Apply blow out prevention operational procedures**

**Release: 2**

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### **Modification History**

Not applicable.

## Application

This unit describes a participant's skills and knowledge required to apply blow out prevention operational procedures in Coal Mining and Drilling.

This unit is appropriate for those working in supervisory roles.

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

## Unit Sector

- Coal mining
- Drilling
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## Elements and Performance Criteria

1 Plan and prepare for applying blow out prevention operational procedures	<p>1.1 Access, interpret and apply blow out prevention (BOP) operational 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, address and report potential hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate to the work activities</p> <p>1.5 Resolve coordination requirements with others at the site prior to commencing, during, and on completion of work activities</p>
2 Apply coal seam gas control strategies	<p>2.1 Apply approved methods to control identified hazards associated with coal seam gas control</p> <p>2.2 Recognise and respond to early warning signs of kicks and coal seam wells going under-balanced</p> <p>2.3 Recognise kick indicators and apply kick detection methods and responses</p> <p>2.4 Operate equipment to control swabbing and surging</p> <p>2.5 Apply tripping methods</p> <p>2.6 Perform shut-in procedures for bottom-drilling and coal seam gas tripping-in/out</p> <p>2.7 Apply relevant requirements and regulations related to coal seam gas control and influx prevention</p> <p>2.8 Prepare written records and reports</p>
3 Coordinate coal seam gas control crew	<p>3.1 Inform assistants of their roles and responsibilities in a coal seam gas control situation and monitor their application</p>

activities	<p>3.2 Communicate operational activities and information to other crew during coal seam gas control and blow out prevention operations</p> <p>3.2 Conduct coal seam gas control drills and exercises to ensure crew readiness for emergency situations</p>
4 Operate and monitor coal seam gas control equipment and processes	<p>4.1 Verify availability and set-up of coal seam gas control equipment</p> <p>4.2 Inspect coal seam gas control equipment for safety and fitness-for-purpose and rectify and/or report faults and malfunctions</p> <p>4.3 Install, test and operate coal seam gas control equipment</p> <p>4.4 Monitor, read and interpret measuring and testing equipment and devices to ensure planned, safe coal seam gas control</p> <p>4.5 Assist in installation, maintenance and replacement of equipment</p>
5 Apply coal seam gas kill procedures	<p>5.1 Confirm coal seam gas control procedures and activities with crew members</p> <p>5.2 Check, read, interpret and record pressures and gauges and undertake corrective action</p> <p>5.3 Apply operational instructions</p> <p>5.4 Apply coal seam gas control working practices</p> <p>5.5 Apply coal seam gas kill methods</p> <p>5.6 Monitor the operation of blow out prevention (BOP)</p> <p>5.7 Monitor and adjust the operation of blow out prevention (BOP) control system</p> <p>5.8 Monitor and control circulation and circulation paths to ensure effective coal seam gas control</p> <p>5.9 Carry out emergency shutdown procedures</p> <p>5.10 Communicate incident information to other crew members</p>
6 Conduct housekeeping activities	<p>6.1 Clean, check, maintain and store plant, tools and equipment</p> <p>6.2 Report issues identified with plant, tools and equipment</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**

No equivalent Unit

## **Links**

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>