



Australian Government

RIIOGD305E Apply blow out prevention operational procedures

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to apply blow out prevention (BOP) operational procedures in coal mining and drilling. It prepares individuals to apply well control strategies, coordinate crew activities, operate and monitor equipment and processes and apply well kill procedures.

This unit applies to those working in supervisory roles. They generally perform tasks involving a broad range of skilled applications in a wide variety of contexts, which may involve some discretion and judgement in selecting equipment, services and contingency measures.

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

Unit Sector

Coal mining

Drilling

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to apply BOP operational procedures	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to apply BOP operational procedures and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for

ELEMENT	PERFORMANCE CRITERIA
	work activities 1.5 Communicate with other personnel at site according to work requirements and confirm briefings and handover details are communicated and received
2. Apply well control strategies	2.1 Apply approved methods to control identified hazards associated with well control 2.2 Recognise, respond to and report as required early warning signs of kicks and wells going under-balanced 2.3 Recognise kick indicators and apply kick detection methods and responses as required 2.4 Operate equipment to control swabbing and surging 2.5 Apply tripping methods according to site requirements 2.6 Perform shut-in procedures for drilling or well servicing and well tripping-in/out 2.7 Apply requirements and regulations related to well control and influx prevention 2.8 Prepare written records and reports according to workplace procedures
3. Coordinate well control crew activities	3.1 Inform assistants of their roles and responsibilities in a well control situation and monitor their application 3.2 Communicate operational activities and information to other crew during well control and BOP operations 3.3 Conduct well control drills and exercises and confirm crew readiness for emergency situations
4. Operate and monitor well control equipment and processes	4.1 Verify availability and set-up of well control equipment 4.2 Inspect well control equipment for safety and fitness-for-purpose and rectify and report faults and malfunctions as required and within scope of own role 4.3 Install, test and operate well control equipment 4.4 Monitor, read and interpret measuring and testing equipment and devices and confirm planned, safe well control 4.5 Assist in installation, maintenance and replacement of equipment
5. Apply well kill procedures	5.1 Confirm well control procedures and activities with crew members 5.2 Check, read, interpret and record pressures and gauges and undertake corrective action as required 5.3 Apply operational instructions 5.4 Apply well control working practices 5.5 Apply well control kill methods

ELEMENT	PERFORMANCE CRITERIA
	5.6 Monitor and adjust the operation of BOP control system 5.7 Monitor and control circulation and circulation paths 5.8 Carry out emergency shutdown procedures according to site requirements 5.9 Communicate incident information to other crew members
6. Conduct housekeeping activities	6.1 Clean, check, perform maintenance on and store plant, tools and equipment 6.2 Report issues identified with plant, tools and equipment as required

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	Identifies and interprets information from workplace procedures, documentation and regulations
Self-management	Monitors and minimises own exposure to worksite hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIOGD305D Apply blow out prevention operational procedures.

Links

Companion Volume implementation guides is found on VETNet -

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