



Australian Government

RIIOGD209F Operate and maintain ancillary equipment

Release: 1

RIIOGD209F Operate and maintain ancillary equipment

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 operate and maintain ancillary equipment in drilling. It prepares individuals to operate and maintain pumps, gate valves associated with mud system, chemical mixing pumps and equipment.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

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 for operating and maintaining ancillary equipment	1.1 Obtain, read and confirm work requirements 1.2 Access, interpret and apply operations and maintenance for ancillary equipment documentation 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 the personal protective equipment required for work activity 1.5 Communicate with other personnel on site as required and confirm briefings and handover details are communicated and

ELEMENT	PERFORMANCE CRITERIA
	received 1.6 Confirm availability and status of necessary permits to work 1.7 Confirm availability of necessary third party utilities
2. Maintain pumps	2.1 Inspect pumps for leaks and abnormal operation 2.2 Lubricate pumps as required
3. Operate, maintain and repair gate valves associated with mud system	3.1 Align, open and close valves as required 3.2 Lubricate valve stems as required 3.3 Identify defective parts in valves and replace as required
4. Operate and maintain chemical mixing pumps and equipment	4.1 Identify faults and potential faults and report immediately or rectify within scope of own role 4.2 Identify, record in writing and report as required need for pump and equipment repair or maintenance 4.3 Perform equipment checks as scheduled according to operational requirements and workplace procedures 4.4 Line up valves according to job requirements 4.5 Engage mixing and transfer pumps according to job requirements 4.6 Lubricate valves, mixing pumps and transfer pumps as required 4.7 Replace defective and malfunctioning parts and valves on pumps as required 4.8 Clean and inspect mixing hopper and mixing area according to workplace procedures 4.9 Isolate 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
Oral communication	Listens to short, explicit instructions for work procedures and asks questions to clarify and confirm
Writing	Produces and completes workplace reports using appropriate vocabulary, grammatical structures and conventions
Self-management	Monitors and minimises own exposure to worksite hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIOGD209E Operate and maintain ancillary equipment.

Links

Companion Volume implementation guides is found on VETNet -

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