



Australian Government

RIIOGF301D Monitor, operate and maintain mud pits and equipment

Release: 2

RIIOGF301D Monitor, operate and maintain mud pits and equipment

Modification History

Release	Comment
1	This unit replaces RIIOGF301A Monitor, operate and maintain mud pits and equipment
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 apply monitor, operate and maintain mud pits and equipment in Drilling.

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

Drilling

Elements and Performance Criteria

1. Plan and prepare for operations	1.1. Access, interpret and apply monitor, operate and maintain mud pits documentation and ensure the work activity is compliant 1.2. Obtain, read, interpret, clarify and confirm work requirements 1.3. Identify, address and report potential hazards, risks and environmental issues and implement control measures 1.4. Select and wear personal protective equipment appropriate to the work activities 1.5. Resolve coordination requirements with others at the site prior to, during and on completion of work activities and ensure briefings/handover details are communicated
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	1.6. Confirm availability of necessary third party utilities 1.7. Conform to safe working practices and current legislative and operational requirements
2. Monitor operation of mud pump	2.1. Visually inspect and listen to mud pumps for abnormal sounds and leaks 2.2. Check lubricating system, identify, record and report faults 2.3. Check pressure relief valve (PRV) setting 2.4. Check flow path 2.5. Charge discharge dampener with nitrogen, to correct pressure 2.6. Charge suction dampener to correct pressure
3. Maintain and repair mud pumps	3.1. Check all clamps when pump is turned off 3.2. Lubricate gear end of pump and check oil levels in gear end of pump 3.3. Replace defective consumables 3.4. Check liners and swabs for size 3.5. Identify faults or potential faults, record and report to relevant personnel

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

RIIOGF301A Monitor, operate and maintain mud pits and equipment

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>