



Australian Government

RIIBLA401D Manage blasting operations

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIBLA401A Manage blasting operations.
2	Performance Evidence numbering corrected. 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 manage blasting operations in the Resources and Infrastructure Industries.

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.

Elements and Performance Criteria

1. Manage compliance with legislation	1.1 Access, interpret and apply blasting operations documentation and ensure the work activity is compliant 1.2 Access, interpret and validate the blast design criteria 1.3 Identify and obtain relevant permits, licenses or authorities needed for blasting activities 1.4 Apply the legislative and site requirements and procedures for the purchase of explosives 1.5 Apply the procedures for the identification of potential hazards and the implementation and application of the site/organisation risk management system 1.6 Select and wear personal protective equipment appropriate to the work activities 1.7 Obtain and interpret emergency procedures and be prepared
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	for fire/accident/emergency 1.8 Apply the procedures to monitor the setting up and security of explosives storage location in compliance with legislative and site requirements 1.9 Manage legislative and site blasting reporting requirements and procedures 1.10 Report any loss or theft of explosives
2. Manage the storage, handling and transport of explosives	2.1 Apply the legislative and site requirements and procedures for safe handling of explosives 2.2 Apply the legislative and site requirements, procedures and safety precautions for the transport of explosives 2.3 Apply the legislative and site requirements, procedures and safety precautions for the storage of explosives 2.4 Apply the legislative and site requirements and procedures for setting-up and maintaining secure explosives storage locations
3. Manage the implementation of blasting activities	3.1 Identify environmental hazards and analyse the risks associated with blasting 3.2 Implement the blast plan 3.3 Apply the blast monitoring system in accordance with site procedures 3.4 Apply site and legislative procedures to ensure that site inspections to confirm the blast plan are implemented 3.5 Confirm and manage the availability of the type and quantity of explosives and associated materials required for blasting 3.6 Manage the site procedures and legislative requirements for the coordination of support requirements including vehicles, personnel and other equipment 3.7 Apply site procedures for setting up and securing the blast area 3.8 Apply the special requirements for secondary blasting operations 3.9 Apply and manage post-blasting coordination and inspection requirements 3.10 Complete all written statutory and site-required documents
4. Manage special conditions	4.1 Identify potential hazards resulting from physical, biological or chemical situations which include heat, cold, climatic and electro-static condition 4.2 Control and monitor special conditions that may occur

	4.3 Ensure that records and reports on special conditions are kept and maintained
5. Manage misfires	5.1 Apply site procedures for the re-assessment of the blast site for potential hazards and risks and ensuring work area is safe 5.2 Inspect blast area to identify misfires or potential misfires and identify cause of misfire 5.3 Secure the misfire area and communicate information to other personnel who may be affected 5.4 Apply procedures to for washing-out or re-charging, and manage refiring Communicate the area is now safe with other persons who may have been affected by blasting 5.5 Record and report misfires
6. Manage the disposal of explosives	6.1 Identify damaged or deteriorated explosives and accessories 6.2 Select an applicable disposal method for explosives and accessories 6.3 Plan for the disposal of the damaged, deteriorated or surplus explosives 6.4 Carry out the disposal of damaged, deteriorated and surplus explosives and detonators in accordance with legislative requirements and site procedures 6.5 Communicate disposal activities to site emergency services
7. Manage maintenance of blasting equipment	7.1 Identify the equipment necessary for use in preparing, initiating or monitoring blasting operations 7.2 Monitor maintenance and conduct routine inspection of blast and blast monitoring equipment in accordance with manufacturer's requirements and site procedures 7.3 Monitor the maintenance of blast monitoring instrumentation to ensure valid calibration as specified in manufacturers' requirements and according to site procedures 7.4 Ensure that maintenance and inspection records are kept according to site, manufacturer's or legislative requirements

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

RIIBLA401A Managing blasting operations

Links

Companion Volume implementation guides are found in VETNet -

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