RIIBLA402D Monitor and control the effects of blasting on the environment

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Modification History

Release	Comment
1	This unit replaces RIIBLA402A Monitor and control the effects of blasting on the environment
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 monitor and control the effects of blasting on the environment in Civil construction, Coal and Metalliferous mining and Extractive.

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

Civil construction

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

1 Develop strategies to control the effects of blasting on the environment	1.1 Access, interpret and apply blasting documentation and ensure the work activity is compliant
	1.2 Identify and evaluate the environmental hazards and controls to minimise the impact on the environment of ground vibration resulting from blasting
	1.3 Identify and evaluate the environmental hazards and controls

	to minimise the impact on the environment of flyrock resulting from blasting
	1.4 Identify and evaluate the environmental hazards and controls to minimise the impact on the environment of air blast, noise and overpressure resulting from blasting
	1.5 Identify and evaluate the environmental hazards and controls to minimise the impact on the environment of air pollution and dust resulting from blasting
	1.6 Identify and evaluate the environmental hazards and controls to minimise the impact on the environment of water pollution resulting from blasting
	1.7 Identify and analyse the objectives and criteria for safe and effective blast monitoring
	1.8 Evaluate and select monitoring device options
	1.9 Prepare procedures for the installation, establishment and operation of monitoring systems
	1.10 Formulate the monitoring system maintenance program and procedures
	1.11 Determine procedures for the audit, review and updating of the monitoring system
	1.12 Select and wear personal protective equipment appropriate to the work activities
	1.13 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency
2 Implement environment monitoring systems	2.1 Implement procedures for monitoring, recording and reporting on environmental controls
	2.2 Implement procedures for the installation and operation of monitoring systems and equipment
	2.3 Implement procedures for the collection and analysis of environmental data
	2.4 Process, record and report monitoring system data
	2.5 Interpret measured data, compare with statutory and site requirements and implement identified actions
3 Review strategies	3.1 Audit the effectiveness of the environmental control system in order to ensure that blasting standards comply with statutory and environmental management plan requirements
	3.2 Audit the effectiveness of the environmental control system in order to ensure that monitoring systems operate to statutory requirements

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| | 3.3   Audit the effectiveness of the environmental control system in order to ensure that recording systems are maintained accurately and data are processed in accordance with environmental management plan requirements |
| | 3.4   Review the monitoring system to ensure that standards remain appropriate |

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

RIIBLA402A Monitoring and controlling the effects of blasting on the environment

Links

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