Australian Government

# RIIBLA402E Monitor and control the effects of blasting on the environment

**Release: 1**

# RIIBLA402E Monitor and control the effects of blasting on the environment

## 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 monitor and control the effects of blasting on the environment in civil construction, coal and metalliferous mining and extractive sectors. It includes evaluating environmental hazards and controls, implementing environment monitoring systems, and reviewing and auditing strategies.

It applies to those working in technical specialist roles. They generally contribute to the development of technical solutions to complex and non-routine problems.

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

Civil construction

Coal mining

Extractive

Metalliferous mining

## Elements and Performance Criteria

| ELEMENT | PERFORMANCE CRITERIA |
|---------|----------------------|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
| 1. Develop strategies to control effects of blasting on the environment | 1.1 Access, interpret and apply blasting documentation and confirm work activity is compliant<br>1.2 Identify and evaluate environmental hazards and controls, resulting from blasting, according to site requirements<br>1.3 Identify and analyse objectives and criteria for safe and effective blast monitoring |

| ELEMENT | PERFORMANCE CRITERIA |
|---|---|
| | 1.4 Evaluate and select monitoring device options according to site requirements |
| | 1.5 Prepare procedures for installing, establishing and operating monitoring systems |
| | 1.6 Formulate monitoring system maintenance program and procedures according to site requirements |
| | 1.7 Determine procedures for auditing, reviewing and updating of monitoring system according to site requirements |
| | 1.8 Select and wear personal protective equipment according to site requirements |
| | 1.9 Obtain and interpret emergency procedures and confirm steps required to respond to emergencies |
| 2. Implement environment monitoring systems | 2.1 Implement procedures for monitoring, recording and reporting on environmental controls according to site requirements |
| | 2.2 Implement procedures for installing and operating monitoring systems and equipment according to site requirements |
| | 2.3 Implement procedures for collecting and analysing environmental data according to site requirements |
| | 2.4 Process, record and report monitoring system data according to site requirements |
| | 2.5 Interpret measured data, compare with statutory and site requirements and implement identified actions |
| 3. Review strategies | 3.1 Audit effectiveness of environmental control system in order and confirm blasting standards comply with statutory and environmental management plan requirements |
| | 3.2 Audit effectiveness of environmental control system in order and confirm that monitoring systems comply with statutory requirements |
| | 3.3 Audit effectiveness of environmental control system and confirm that recording systems are maintained according to site requirements and data is processed according to environmental management plan requirements |
| | 3.4 Review monitoring system and confirm that standards comply with legislative and site requirements |

# 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 |
|-------|-------------|
| Numeracy | • Calculates measurements, products and ratios |
| Oral communication | • Conveys information and requirements clearly and listens carefully |
| Reading | • Identifies and interprets information from workplace documentation and legislation |
| Writing | • Completes workplace and legislative documentation using sector-specific vocabulary, grammatical structures and conventions |

## Unit Mapping Information

Supersedes and is equivalent to RIIBLA402D Monitor and control the effects of blasting on the environment.

## Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272