



**Australian Government**

# **RIIPBP202D Conduct air cleaning activities**

**Release: 2**

## RIIPBP202D Conduct air cleaning activities

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIPBP202A Conduct air cleaning activities.                                                                                                                                                                                                                                                                                                              |
| 2       | <p>Performance Criteria numbering corrected.</p> <p>Required frequency and volume of evidence amended in Performance evidence.</p> <p>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.</p> |

### Application

This unit describes a participant's skills and knowledge required to conduct air cleaning activities in Metalliferous Mining.

This unit is appropriate for those working in an assistant or operational role.

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

Metalliferous mining

### Elements and Performance Criteria

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan and prepare for air cleaning operations | <p>1.1 Access, interpret and apply air cleaning compliance documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Select and wear personal protective equipment appropriate for the activity.</p> <p>1.4 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency.</p> <p>1.5 Select, and check for faults, equipment/tools for work activities. Identify, address and report potential hazards, risks and environmental issues.</p> <p>1.6 Select approved dust suppression and extraction methods and</p> |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | ensure area is well ventilated before entry.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2. Start-up equipment in sequence                 | <p>2.1 Perform equipment pre-start checks to ensure equipment is ready for operation</p> <p>2.2 Carry out start-up procedures and complete start-up checks according to plant configurations and system requirements</p> <p>2.3 Confirm plant is operational</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3. Operate and monitor equipment                  | <p>3.1 Read and interpret data from equipment indicators to determine air cleaning efficiency</p> <p>3.2 Inspect operations/plant and catchment areas to identify air cleaning process defects and potential problems</p> <p>3.3 Adjust equipment to approved operating parameters to optimise and maintain efficient air cleaning and to meet product quality targets</p> <p>3.4 Add any required reagents to approved operating parameters</p> <p>3.5 Carry out minor maintenance tasks to maintain condition of equipment</p> <p>3.6 Complete all required written documentation clearly, concisely and on time</p> <p>3.7 Communicate end of shift information verbally or in writing to oncoming shift</p> |
| 4. Shutdown in sequence and/or isolate equipment. | <p>4.1 Shutdown or isolate equipment based on process and safety requirements</p> <p>4.2 Perform post shutdown or isolation checks</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5. Conduct housekeeping activities                | <p>5.1 Clean, check, maintain and store tools and equipment</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## 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

RIIPBP202A Conduct air cleaning activities

## Links

Companion Volume implementation guides are found in VETNet -

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

# Assessment Requirements for RIIPBP202D Conduct air cleaning activities

## Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                                                                      |
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| 1       | This unit replaces RIIPBP202A Conduct air cleaning activities.                                                                                                                                                                                                                                                                                               |
| 2       | Performance Criteria numbering corrected.<br>Required frequency and volume of evidence amended in Performance evidence.<br>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. |

## Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable, documentation, policies and procedures
- implements requirements, procedures and techniques for the safe, effective Conduct air cleaning activities including:
  - performing pre-start checks
  - carry out sampling
  - diagnosing faults, identifying and addressing hazards
  - selecting and using lifting equipment (manual, cranes and loads)
  - using and selecting appropriate hand and power tools
- works effectively with others to undertake and complete air cleaning activities that meets all of the required outcomes including:
  - using a range of communications techniques and equipment to convey information to others
  - maintaining written and verbal reporting requirements and procedures
  - communicating to confirm work/plans/specifications
  - passing on end of shift information
- demonstrates completion of conducting air cleaning activities that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - performing correct sequencing for starting up equipment
  - correctly operating and monitoring equipment including:

- inspecting operations/plant and catchment areas
- adjusting equipment to maintain efficient air cleaning
- determining operating parameters and adding reagents
- performing minor maintenance
- performing isolation checks and shutdown in sequence

## Knowledge Evidence

The candidate must demonstrate knowledge in conducting air cleaning activities through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
  - identifying and managing risks, hazards and hazardous goods
  - identifying, addressing and reporting environmental issues setting up work activity
  - isolation and breakdown procedures and responsibilities
  - complying with work health and safety practices
  - complying with emergency procedures
  - equipment safety requirements
  - managing waste procedures
  - carrying out work according to air cleaning principles and systems
  - complying with WHS procedures
  - using operational procedures and checks
  - applying pumping system and flow charts (pipeline and sprinkler systems)
  - applying site procedures
  - applying site safety requirements
  - applying wet and dry working procedures
- selecting and checking for faults, tools and equipment to carry out tasks
- diagnosing faults and report defects
- interpreting reports and maintain records
- identifying contaminant
- identifying and complying with equipment limitations and operating parameters
- complying with hazardous goods procedures and consequences of spills and hazardous goods
- identifying repair requirements
- interpreting and applying metallurgical and technical data (basic)

## Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,

- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current\* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

| Industry sector                                                                            | AQF** Level                                                                                                                                                                                                                                                                                                                    | Required assessor or Industry subject matter expert experience |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction | 1                                                                                                                                                                                                                                                                                                                              | 1 Year                                                         |
|                                                                                            | 2                                                                                                                                                                                                                                                                                                                              | 2 Years                                                        |
| Drilling, Coal Mining and Extractive (Quarrying)                                           | 3-6                                                                                                                                                                                                                                                                                                                            | 3 Years                                                        |
| Metalliferous Mining and Civil Construction                                                | 3-6                                                                                                                                                                                                                                                                                                                            | 5 Years                                                        |
| Other sectors                                                                              | Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation. |                                                                |

\*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**\*\*Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level**

## **Links**

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