



Australian Government

Department of Education, Employment and Workplace Relations

MEM08016B Control blast coating by-products, materials and emissions

Release: 1

MEM08016B Control blast coating by-products, materials and emissions

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers identifying, evaluating and controlling blaster coating by-products, materials and emissions.
------------------------	--

Application of the Unit

Application of the unit	<p>This unit applies to common containment practices and regulatory waste removal processes, documentation and implementation related to blaster coating by-products, materials and emissions in accordance with regulatory and legislative requirements.</p> <p>Band: A</p> <p>Unit Weight: 1</p>
--------------------------------	--

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		
Path 1	MEM13003B	Work safely with industrial chemicals and materials

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Apply specific health and safety considerations to surface preparation	1.1. Products, hazardous materials and processes used in blaster cleaning and coating operations are identified. 1.2. Safety procedures appropriate to the work requirements are applied. 1.3. Unsafe working conditions are identified and reported to appropriate personnel.
2. Control by-products, materials and emissions	2.1. By-products, materials and emissions are contained using established procedures. 2.2. By-products, materials and emissions are monitored and directed to appropriate treatment or storage area. 2.3. Monitoring devices are checked for correct/continuous operation. 2.4. Status/reports are recorded and reported.
3. Dispose of by-product, materials and emissions	3.1. Waste treatment processes are applied in accordance with standard operating procedures. 3.2. Treatment processes are carried out in accordance with standard operating procedures and to meet relevant authority waste requirements.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Look for evidence that confirms skills in:

- collecting, storing and removing samples of by-products
- monitoring and transferring by-product and emissions
- checking monitoring devices
- implementing waste treatment process
- recording and reporting of all results
- collecting, storing, removing and sampling by-products

Required knowledge

Required knowledge

REQUIRED SKILLS AND KNOWLEDGE

- Look for evidence that confirms knowledge of:
- products, hazardous materials and processes within the scope of this unit
- regulatory and legislative requirements relating to control of blast coating by-products, materials and emissions
- procedures for collecting samples
- by-product collection equipment operation methods
- waste control monitoring equipment and procedures
- waste treatment processes
- requirements and procedures for recording and reporting process status reports
- hazards and control measures associated with controlling blast coating by-products, materials and emissions
- use and application of personal protective equipment
- safe work practices and procedures

Evidence Guide

EVIDENCE GUIDE	
<p>The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.</p>	
<p>Overview of assessment</p>	<p>Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.</p>
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<p>This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is the candidate is not in productive work, then an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.</p> <p>This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling, recording and reporting associated with controlling blast coating by-products, materials and emissions or other units requiring the exercise of the skills and knowledge covered by this unit.</p>
<p>Context of and specific resources for assessment</p>	<p>Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes, standards, manuals and reference materials.</p>
<p>Method of assessment</p>	<p>Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.</p>

EVIDENCE GUIDE

Guidance information for assessment	
--	--

Range Statement**RANGE STATEMENT**

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Products, hazardous materials and processes	All products, hazardous materials and processes that are subject to codes and/or regulations in use
Monitoring devices	pH meters, probes
Waste treatment processes	Neutralisation, metals precipitation, solid separation-gravity/centrifuging

Unit Sector(s)

Unit sector	
--------------------	--

Co-requisite units

Co-requisite units	

Competency field

Competency field	Surface finishing
------------------	-------------------