Australian Government

Assessment Requirements for RIIMCU314 Transport and store polymeric chemicals in underground coal mining

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- transport and store polymeric chemicals in underground coal mining on at least two occasions, using at least one of the following injection resins:
  - phenolic
  - polyurethane (PUR)
  - urea silicate.

During the above, the candidate must:

- locate and apply required legislation, documentation, policies and procedures, and confirm work activity is compliant
- implement the requirements, techniques and procedures to transport and store polymeric chemicals in underground coal mining, including:
  - applying emergency procedures for chemical spillage
  - analysing and applying hazard and risk controls
  - identifying, addressing and reporting potential hazards, risks and environmental issues
  - implementing requirements for labelling, transporting, using and storing hazardous materials
- work with others to transport and store polymeric chemicals in a way that meets required outcomes, including:
  - communicating with others to receive and clarify work instruction
  - completing records and reporting systems, including transport and storage records
  - communicating and coordinating work activity and exclusion zones.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- legislative requirements relating to transporting and storing polymeric chemicals in underground coal mining
- policies, procedures and documentation required to transport and store polymeric chemicals in underground coal mining, including those related to:
  - disposal requirements for excess, unwanted and out-of-date polymeric chemicals and used polymeric chemical containers
  - first aid requirements for exposure to hazardous material
  - hazardous spill responses, including clean up
  - hazardous materials storage
  - emergency information requirements for vehicles transporting polymeric chemicals
  - environmental protection
  - operational and exclusion zones
  - safety and health documentation relating to polymeric chemical exposure
  - safety data sheets (SDS) requirements
  - statutory compliance
  - signage for storage of polymeric chemicals
  - site requirements for handling, transporting and storage of polymeric chemicals
  - site health monitoring requirements
  - site environmental and monitoring requirements
  - work health and safety
- techniques for transporting and storing polymeric chemicals, including those related to:
  - interpreting and applying chemical label and SDS requirements
- types, characteristics, technical capability and limitations of plant and equipment required to transport and store polymeric chemicals in underground coal mining
- techniques for identifying, preventing and responding to relevant hazards and emergencies, including those relating to:
  - positioning of equipment and work locations
  - ventilation quantity and arrangements to remove airborne contaminants
  - uncontrolled release of chemicals including spills, ruptured hoses, ruptured containers
  - unplanned or undesired outcomes including generation of excessive heat or ignition of products
- techniques for housekeeping and reporting
- techniques for coordinating and communicating job activities with others.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:

  - personal protective equipment
  - equipment required to transport and store polymeric chemicals
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	**AQF indicator level*** **	**Required assessor or industry subject matter expert experience**
Drilling, Metalliferous	1	1 year

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the RII Companion Volume Implementation Guide located on VETNet.

**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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

***While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

Links

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