



Australian Government

Assessment Requirements for NWPGEN025 Apply principles of chemistry to water systems and processes

Release: 1

Assessment Requirements for NWPGEN025 Apply principles of chemistry to water systems and processes

Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Performance Evidence

- identifying risks and hazards interpreting a range of complex and technical documents including relevant:
 - codes and standards
 - organisational policies
 - regulatory, legislative, licensing and organisational requirements
 - specifications of chemicals
- performing various calculations to provide data for the analysis and development of options and solutions
- selecting appropriate chemicals for water industry processes

Knowledge Evidence

- chemical concepts relevant to water industry processes
- chemical reactions
- factors affecting the selection of chemicals
- factors influencing the effectiveness of chemicals
- functions of various chemicals in water industry processes
- range and characteristics of chemicals used in various water industry processes
- relevant legislation, regulations and workplace procedures
- standards and workplace policies and procedures determining the use and management of chemical processes including work health and safety (WHS)

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the

time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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