



Australian Government

**Assessment Requirements for NWPTRT007
Monitor and operate liquefied chlorine gas
disinfection processes**

Release: 1

Assessment Requirements for NWPTRT007 Monitor and operate liquefied chlorine gas disinfection processes

Modification History

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

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- applying correct liquefied chlorine gas container procedures for handling and storage
- collecting samples and conducting tests in at least one of the following:
 - free chlorine
 - measuring pH
 - temperature
 - total chlorine
 - turbidity
- complying with emergency procedures relating to liquefied chlorine gas hazards
- implementing relevant industry standards, safety data sheet (SDS) requirements and other legislative and organisational requirements
- operating safely and following workplace procedures when disconnecting and connecting liquefied chlorine gas systems
- performing at least one of the following process calculations:
 - Ct calculation
 - dosage
 - feed rate
- selecting, fitting and using personal protective equipment (PPE) including air supplied breathing apparatus.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- chlorine disinfection principles
- chlorine residuals
- codes of practice
- emergency equipment and its application
- functions and components of gas draw or liquid draw chlorinator systems

- handling procedures including:
 - container disconnection and connection procedures for chlorine gas or chlorine liquid draw systems
 - liquefied chlorine gas containers
 - storage of liquefied chlorine gas cylinders or drums
- hazards of liquefied chlorine gas handling
- microbiological guidelines
- national standards for the storage and handling of liquefied chlorine gas
- PPE and its application
- properties of liquefied chlorine gas
- relevant legislation, regulations and workplace procedures
- safety data sheet (SDS)
- self-contained breathing apparatus
- workplace policies, manuals and induction programs.

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>

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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