



Australian Government

Assessment Requirements for NWPTRT056 Operate and control ozone processes

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- applying policies, regulatory standards and standard operating procedures
- performing work-related ozone calculations
- identifying control system faults and operational problems
- identifying hazards
- using literacy skills regarding verbal and written communication in the workplace
- interpreting safety data sheets (SDS)
- scheduling work
- selecting and using appropriate tools and equipment, including personal protective equipment
- monitoring ozone treatment processes
- collecting process samples and performing standard tests, including at least one of:
 - ozone residual sampling
 - ozone residuals
 - exhaust gas ozone concentration
 - pH
 - ozone residual level in water supply
- preparing and applying ozone dosing safely

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- properties and chemistry of ozone
- pH
- microbiological water quality guidelines
- ozone system layout
- lockout procedures for mechanical and electrical installations
- communication systems
- hazardous substances handling
- risk factors and potential hazards associated with ozonation
- ozone dosing processes
- operation, capacity and limitations of ozone generation equipment
- effects of weather and conditions on operation of site or plant
- pumping and valving systems
- automatic feed rate control systems
- MSDS
- ADWG risk management principles
- WHS requirements
- ozone calculation

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Some components of this unit require assessment in a workplace environment therefore the unit is not suitable for fully external or electronic based assessment.

Consideration must be given to holistic assessment for this unit. Refer to advice in the companion volumes.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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

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