



Australian Government

Assessment Requirements for NWPGEN014 Sample and test trade wastewater

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.

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. The candidate must be assessed in both types of sampling processes and at least two types of field tests listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- conducting hazard and risks assessments
- planning working activities
- applying procedures and standards
- performing task-related calculations
- maintaining a safe work environment
- using automatic samplers and flow measurement equipment
- using recording equipment (i.e. pH or temperature recorder) and field test kits
- conducting trade waste tests on-site according to specifications
- disposing of waste and spent samples
- identifying which parameters can be analysed in-field and which need laboratory testing
- identifying necessary equipment and resources for sampling and testing (i.e. field test kits, preservation reagents)
- selecting appropriate sample jars and preparing documentation (labels, chain of custody and other required forms, i.e. inspection sheets)
- installing sampling, flow measuring (if applicable) and recording equipment in accordance with manufacturers' specifications and site specific conditions
- applying labels to samples and prepare appropriate documentation for external analyses

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.

- relevant policies and procedures including chain of custody

- relevant standard methods for testing of water
- range and purpose of basic water quality testing and sampling
- abnormal characteristics of water samples
- relevant calculations
- storage of reagents
- relevant legislative and organisational requirements
- trade waste sample preparation:
 - prevention of contamination
 - volume of sample
 - appropriate containers
 - preservation
 - location selection
 - equipment
 - documentation and transportation procedures for trade waste samples
 - disposal procedures for excess trade waste samples
 - sampling and testing requirements
- water quality parameters of significance to a range of trade waste discharges
- hazards associated with collection of trade waste samples

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.

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

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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