



Australian Government

Assessment Requirements for NWPTRT034 Operate and control activated carbon 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.

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 at least one of the processes listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on least one occasion.

- identifying and reporting faults
- conducting routine plant inspections on asset conditions
- taking samples and performing basic tests, including at least one of:
 - jar testing
 - odour analysis
 - UV274
- applying basic process formulae including at least one of:
 - dosage (PAC)
 - empty bed contact time
 - bed expansion
 - backwash flow rates (BAC, GAC)
- making basic process adjustments according to instructions including at least one of:
 - dosage
 - flow rate
 - detention time (PAC)
 - backwash flow rate
 - backwash frequency
 - process flow rate (BAC, GAC)

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.

- risk factors and potential hazards associated with activated carbon
- adsorption principles
- principles that form the basis of activated carbon processes
- water quality characteristics
- TOC, DOC, AOC, BDOC
- features and components of activated carbon including feeders
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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.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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