



Australian Government

NWPNET014 Perform odour and infiltration investigations

Release: 1

NWPNET014 Perform odour and infiltration investigations

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP338B Perform odour and infiltration investigations. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes

Application

This unit describes the skills required to investigate and report on odour and infiltration problems in the wastewater collection and transfer systems. The ability to investigate and resolve wastewater system problems, operate technical equipment and prepare technical reports is essential to performance.

This unit applies to those working as field and operational staff with a specific responsibility for ensuring that odour and infiltration problems in wastewater collection and/or transfer systems are identified and remedied.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to, particularly those related to WHS.

Those undertaking this unit would work under indirect supervision, while performing routine tasks in a familiar context, ensuring minimum damage to the environment.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Networks

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Plan for leak detection	1.1 Determine work site boundaries and leak detection requirements from plans, specifications and instructions. 1.2 Select and check equipment. 1.3 Use site inspection and service search diagrams according to work site requirements.
2. Operate leak detection equipment and report work	2.1 Determine and mark work site boundaries from plans and service search diagrams. 2.2 Select, fit and use personal protective equipment. 2.3 Operate leak detection equipment. 2.4 Mark the location of leaks. 2.5 Expose leaks and arrange repair according to testing outcomes and organisational and statutory requirements. 2.6 Review, record and report work.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP338B Perform odour and infiltration investigations.

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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Assessment Requirements for NWPNET014 Perform odour and infiltration investigations

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.

- using safety equipment and personal protective equipment
- interpreting plans, service diagrams, charts, specifications, policies, standard operating procedures and plumbing and drainage standards
- monitoring inflows
- operating computerised equipment
- identifying control system faults
- investigating and reporting on odour and infiltration problems in the wastewater collection and transfer systems
- inspecting and selecting tools and equipment
- scheduling inspections
- collecting and recording wastewater samples
- investigating and reporting odour sources
- integrating processes
- managing flow regulations, diversions and isolation of the site
- identifying, addressing and reporting illegal inflows or discharges
- reviewing and addressing investigation results
- completing required documentation

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.

- system hydraulics
- monitoring processes
- system layout, processes, operation
- environmental aspects of wastewater collection systems and infrastructure
- infiltration and inflow sources
- policies, standard operating procedures and legislation
- relevant utilities and service bodies
- communication systems
- environment, landscape and ground structure of work area
- risk factors and potential hazards involved in wastewater collection systems equipment operation, capacity and limitations
- effects of weather and conditions on operation of collection infrastructure
- pipes and fittings
- pumping and valving systems
- gravity and control systems

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.

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