

Wastewater Network Technician

Unit WWNC15 Trade Effluent Measurement and Monitoring

This training specification has been developed from the water process technician standard. The specification details the **minimum** training specification, as agreed by industry employers, to deliver the skills and knowledge required to carry out trade effluent measurement and monitoring on the wastewater network in the water sector.

The specification details the critical requirements of the activity to establish competence and does not preclude employers from adding to the skills and knowledge detailed by the specification in their own training programmes.

All work must be carried out to approved procedures and practices and in accordance with statutory health, safety and environmental requirements.

What does this specification look like?

Wastewater network technicians need to be able to:

- WWTEM1 Understand current legislation relating to the control and management of trade effluent discharges
- WWTEM2 Identify potential risks posed by trade effluent discharges to the wastewater network and the control measures which could be used to manage them

What do I need to take this module?

Candidates to be **assessed** as competent in this skill area should have completed the modules shown below or have evidence demonstrating an equivalent level of competence.

1. SHEA water or equivalent
2. Risk Assessment

Performance Criteria

To achieve this unit, you will need to be able to:

General Requirements

- P1. Identify the work area to be accessed using company documentation, systems and work instructions where appropriate
- P2. Select, inspect and wear required PPE in line with company procedures where appropriate
- P3. Carry out a site specific risk assessment of the work area, identifying the hazards and the control measures required
- P4. Maintain accurate and up to date records
- P5. Report information and data to the designated person

Task Specific – Trade Effluent Measurement and Monitoring

- P6. Use company systems to locate traders within a catchment and interpret the details of their consents
- P7. Locate traders within a catchment area and determine potential issues based on the composition of the discharge and the network to which it is connected

Knowledge and Understanding

To achieve this unit, you will need to know and understand:

General Requirements

- K1. The principles of Health, Safety and Environmental legislation in relation to working with wastewater
- K2. The organisation's safety rules, policies and procedures relating to working with wastewater
- K3. The hazards associated with working with wastewater and the correct way to respond to them
- K4. How to select, inspect and use PPE when working with wastewater
- K5. How to carry out a site specific risk assessment and identify workplace hazards
- K6. How to respond in the event of an emergency situation in the workplace environment
- K7. How to leave the work area in a safe and secure condition
- K8. The company recording and reporting process

Task Specific – Trade Effluent Measurement and Monitoring

- K9. A legal definition of trade effluent
- K10. The current legislation relating to trade effluent
- K11. How the current legislation affects the processing of trade effluent
- K12. Understand the different types of trade effluent from various industries, including:
 - a) Food & drink
 - b) Engineering
 - c) Textiles & chemicals
 - d) Other organics
- K13. The risks involved with accepting trade effluent
- K14. The reasons for controlling trade effluent, including:
 - a) Available capacity of wastewater network and wastewater treatment works
 - b) Damage to assets
 - c) Consent compliance and risk of prosecution
- K15. The formula for charging for trade effluent

How will it be assessed?

To achieve this unit, you will need to be able to provide evidence of the performance criteria and the knowledge and understanding requirements listed above.

Assessment types:

1. External assessment – an external accrediting body will assess against a national minimum standard
2. Internal assessment process – a company led on-going assessment against requirements
3. End-point assessment - see assessment plan for further details here (will be Energy & Utility Skills defined)

What type of evidence will be expected?

To achieve this unit, you will need to be able to provide evidence of the performance criteria and the knowledge and understanding requirements listed above.

Evidence types:

1. On-going local assessments
 - a) Assessment plan, review, feedback, standard assessment sheets
2. Knowledge based learning
 - a) Classroom, exams, assignments, Q&A sessions, e-learning modules
3. Evidence portfolios
 - a) Learning logs, photos, observation sheets

Assessment types and process

