

Wastewater Network Technician

Unit WWNC03 Wastewater Networks Construction Materials

This training specification is knowledge only and has been developed from the water process technician standard. The specification details the **minimum** training specification, as agreed by industry employers, to understand wastewater networks construction materials and how they influence the networks design and operation.

The specification details the critical requirement of the activity to carry out the work outlined and does not preclude employers from adding to the 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:

WWNCM1 Identify and select construction materials relevant to the installation of various wastewater network infrastructure and ancillary equipment

WWNCM2 Understand the different materials used in wastewater networks infrastructure including their uses and limitations

What do I need to take this module?

Candidates to be **assessed** should have successfully completed the modules shown below or have evidence demonstrating an equivalent level of competence:

1. SHEA water or equivalent

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 – Wastewater Networks Construction Materials

- K9. Specific health & safety requirements relating to materials used in wastewater networks infrastructure
- K10. Different types of materials used in the wastewater network and characteristics associated with them
- K11. The available section lengths, diameters and shapes of a range of wastewater pipeline materials
- K12. The advantages and disadvantages of a range of wastewater network pipeline materials
- K13. The factors which influence the choice of wastewater network pipeline material
- K14. Basic considerations to be made with regards to pipeline bedding and surround
- K15. The range of construction materials for assets built on the wastewater network
- K16. How deterioration affects the serviceability rating of a company's assets

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

