

Wastewater Treatment Technician

Unit WWTTC10 Incident Support

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 wastewater incident support.

The specification details the critical requirement of the activity to carry out the work outlined 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 treatment technicians need to be able to:

- WWIS1 Understand the nature and sources of different types of incidents and their impact on the environment or business. Describe current legislation and permits governing wastewater quality standards
- WWIS2 Understand company and legal reporting procedures and an individual's role in the Incident Support structure
- WWIS3 Carry out procedures relevant to your role in incident support

What do I need to take this module?

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

1. Wastewater flows and hydraulics
2. Process Control systems
3. Wastewater compliance and performance monitoring
4. Optimising works performance

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
- P2. Select, inspect and wear required PPE in line with company procedures
- 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 - Wastewater Incident Support

- P6. Ascertain the nature of an incident and locate appropriate company procedures
- P7. Identify correct course of action based on legal and company requirements
- P8. Instigate corrective actions to minimise impact on the environment and site processes
- P9. Report the nature of the incident to relevant personnel and affected parties
- P10. Instigate escalation process in line with company / legal procedures
- P11. Request support services based on the nature of the issue

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 Incident Support

K9. How to ascertain the nature of the incident including:

- a) Pollution
- b) Loss of process
- c) Security
- d) Storm damage
- e) Accidents

K10. How to identify the correct course of action based on legal and company requirements and how to locate the appropriate incident management / site contingency plan

K11. How to instigate corrective actions to minimise impact on the environment and site processes such as:

- a) Pollution
- b) Loss of process
- c) Security
- d) Storm damage
- e) Accidents

K12. How to report the nature of the incident to relevant personnel and affected parties such as:

- a) Supervisor / line manager
- b) EA
- c) EHO
- d) Emergency Services
- e) Local council

K13. How to instigate escalation process in line with company / legal procedures such as:

- a) Bronze, Silver, Gold command

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

