

# Water Networks Technician

## Unit WNTC06 Pressure Management including the Low Pressure Register (DG2)

This training specification is knowledge only has been developed from the water process technician standard. The specification details the **minimum** training specification, as agreed by industry employers, to understand pressure management, including the low pressure register (DG2), in clean water networks.

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?

Water networks technicians need to be able to:

- PM01 Understand and explain the principles of pressure management on the clean water network
- PM02 Understand the health and safety, maintenance and operating regimes associated with pressure control valves. Identify the component parts and carry out repair and maintenance of pressure control valves
- PM03 Understand the low pressure register (DG2) and how the business uses this information

### 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. National Water Hygiene Scheme
2. SHEA water or equivalent
3. Awareness of confined spaces
4. Manual Handling

## 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 water
- K2. The organisation's safety rules, policies and procedures relating to working with water
- K3. The hazards associated with working on the clean water network and the correct way to respond to them
- K4. How to select, inspect and use PPE when working with water
- K5. How to carry out a site specific risk assessment and identify workplace hazards
- K6. How to respond in the event of emergency situations in the work environment
- K7. How to leave a work area in a safe and secure condition
- K8. The company recording and reporting process

### Task Specific - Pressure management requirements

- K9. A legal definition of pressure management including the DG2 register
- K10. The principles behind pressure management on the clean water network
- K11. Specific health & safety requirements relating to pressure management valves
- K12. Different types of pressure management valves used within the water industry
- K13. The different types of tools and equipment required when working on pressure management valves
- K14. Procedures associated with the maintenance and repair of pressure management valves
- K15. Who may be affected by pressure management valve maintenance and how they can be informed
- K16. How to prepare to maintain pressure management valves and carry out diagnostic checks
- K17. How to carry out repair and maintenance of pressure management valves
- K18. How to reassemble and re-commission pressure management valves
- K19. Data collection, recording, reporting and maintenance requirements

### 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

