

Water Network Technician

Template for mapping portfolio evidence to the Water Process Technician Standard

Version 2.1 (November 2019)

Candidate Name

Please complete this document to identify the key pieces of evidence in your portfolio which you believe best show your competence in the areas of the standard listed below. Please provide 3 pieces of evidence in the boxes for both knowledge and performance. For the different process units completed there should be evidence from each unit against each area of the standard.

ANNEX 1 must also be completed to show the details of the people who have been involved in witnessing evidence or work completed within your portfolio. Please complete the table provided.

Standard Criteria	Performance evidence portfolio reference number	Knowledge evidence portfolio reference number
1. Knowledge and application of relevant health and safety, environmental and industry standards and regulations, policies and procedures.		
2. Knowledge and application of water industry operations and maintenance practices, processes and procedures in water network operations		
3. Use theory and principles to undertake fault finding, testing and analysis on specific equipment, instruments and IT systems and interpret the results to implement effective solutions.		
4. Drive vehicles equipped with tools and materials to other sites as required.		
5. Complete reports and ensure records are maintained for audit and reporting purposes.		

Standard Criteria	Performance evidence portfolio reference number	Knowledge evidence portfolio reference number
6. Work with focus and clear purpose in all weather conditions, covering 24/7 operations, sometimes working alone and safely adapt working methods to reflect changes in working environments.		
7. Analyse and assess network performance measures e.g. water pressure, flows and leakage including units listed below		
WNTC01 - Regulatory performance measures		
WNTC06 - Pressure management including the low pressure register		
WNTC14 – Data logging operations		
8. Use hydraulic theories and principles to investigate, carry out fault diagnosis and identify resolutions to network performance issues including units listed below		
WNTC07 - Network performance monitoring		
WNTC10 - Leakage detection operations		
WNTC13 – Customer side leakage		
9. Apply procedures and their control measures to the network to minimise the risk of supply interruptions to customers including units listed below		
WNTC03 - Water fittings regulations		
10. Maintain network, equipment and systems including pumps and control valves including units listed below		
WNTC12 – Asset security		
WNTC16 – Water network rehabilitation (knowledge only)		
11. Ensure the safety of pedestrians, vehicles and site staff and where required act as supervisor of Street Works including units listed below		
WPTCC07 – Signing lighting and guarding or WPTCC08 – Streetworks supervision		
12. Use technical knowledge to operate electronic location equipment to identify and		

Standard Criteria	Performance evidence portfolio reference number	Knowledge evidence portfolio reference number
locate underground cables and services including units listed below		
WNTC04 - Location and avoidance of underground apparatus		
13. Plan network operations ensuring water mains and water service pipe couplings and methods are suitable for use including units listed below		
WNTC02 - Materials used in clean water mains and services (Knowledge only)		
WNTC15 – Wayleaves – operations in private land (knowledge only)		
14. Authorise and carry out valve operations on water networks in accordance with operations and maintenance strategies and procedures and giving due consideration to the impact on customers, ensuring continuity of supply and minimising water quality problems including units listed below		
WNTC05 - Valve and hydrant operations		
List a minimum of 2 optional units completed below		
Behaviours		
SB1 Accept ownership and responsibility for your work whilst maintaining self-discipline, motivation and working in a professional manner at all times		
SB2 Work well with other people to accomplish activities safely and on time and meet customer requirements		
SB3 Deliver a polite, courteous, professional service to customers, colleagues and members of the public		
SB4 Be risk aware showing the desire to reduce risks through monitoring and checking		

Standard Criteria	Performance evidence portfolio reference number	Knowledge evidence portfolio reference number
information and strict compliance with appropriate rules, demonstrating:		
a) Situational awareness		
b) Concentration on task		
SB5 Undertake work in a way that contributes to personal development		
SB6 As required, undertake standby duties to provide 24 hr cover to the network, or carry out operations that can only take place outside normal working hours (Out of hours / Emergency working)		
SB7 Identify, organise and use resources effectively to complete tasks, with consideration for cost, quality, safety, security and environmental impact (Effective and efficient use of resources)		
SB8 Accept, allocate and supervise technical and other tasks		
SB9 Be aware of the needs and concerns of others, especially where related to diversity and equality		
SB10 Undertake work in a way that contributes to sustainable development		
SB11 Exercise responsibilities in an ethical manner		

Additional Comments (if required)

Received by mentor /
Assessor Name

Date

