
Overview

This Standard is about controlling in-line water mains connections in agreement with water companies. This involves obtaining authorisation from water companies, liaising with water companies during and on completion of the work, carrying out live connections in line with approved procedures to ensure protection of water quality and the integrity of water networks.

This Standard is for water network construction operatives who control in-line water mains connections in agreement with water companies.

Performance criteria

You must be able to:

1. obtain information about mains connection work from reliable sources
2. complete applications to the water company in sufficient time to get authorisation for mains connection work
3. plan mains connections according to the authorisation from the water company
4. notify the water company about connection details before work commences
5. test and carry out live connection in accordance with national and water company procedures
6. carry out live connection in compliance with relevant quality and hygiene standards
7. ensure work practice conforms to safe working procedures at all times
8. seek advice regarding any work that cannot be done to specified standards from appropriate people
9. inform the water company when connections are complete using approved procedures
10. complete connection documentation with accurate information and store it in the specified place
11. provide completed work documentation to appropriate people when required
12. provide 'as-laid' drawings to the water company in line with approved procedures
13. report work which is incomplete and not to schedule to the water company using approved reporting procedures

Knowledge and understanding

You need to know and understand:

1. water regulators and their role
2. the legal implications of contaminating public water supply
3. the Code of Practice and national and water utility specific specifications for making routine in-line water mains connections
4. requirements by which self lay organisations can make routine water connections
5. how to interpret drawings, records, work documents, manuals, and technical specifications
6. activities associated with installing water distribution systems
7. the roles and responsibilities of yourself and water company representatives
8. water company and organisational procedures to connect to live networks
9. approved types of connection
10. how to use the equipment and tools for mains connections
11. approved jointing procedures
12. hygiene procedures related to ensuring the integrity and cleanliness of water supplies and the importance of personal hygiene
13. relevant health and safety legislation including types and use of personal protective equipment (PPE)
14. approved signals and signs for securing and making the work area safe
15. company procedures and lines of responsibility for communicating and recording information
16. how to communicate technical information using written instructions and diagrams
17. approved procedures to be carried out in the event of an emergency

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Relevant Occupations	Engineering; Water Network Construction Operative; Water Network Construction Supervisor
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Suite	Water Network Construction Operations
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