

Restore water network components to operational condition

Overview

This Standard is about restoring water network components to operational condition. This includes the repair and replacement of short sections of mains and fitting temporary or permanent external mechanical fittings on mains or services.

This involves preparing to restore components, carrying out repair or replacement within agreed timescales using approved materials in accordance with company procedures.

This Standard is for water network construction operatives who restore water network components to operational condition.

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Performance criteria

You must be able to:

1. work in accordance with health and safety, environment and hygiene regulations and legislation
2. carry out site specific risk assessment, and review in accordance with company procedures
3. select and wear the designated personal protection equipment (PPE)
4. repair or replace components in accordance with relevant specifications and work instructions
5. prepare components for repair or replacement
6. carry out repair or replacement to agreed timescale
7. use approved materials and components for repairs or replacements
8. make sure that repaired or replaced components meet specified operating conditions and parameters
9. carry out all work in accordance with company procedures
10. produce accurate and complete records of all work carried out
11. deal with problems within your control
12. refer problems and conditions outside your responsibility or which you cannot solve to appropriate people
13. deal with any emergencies that may arise in line with approved procedures

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Knowledge and understanding

You need to know and understand:

1. relevant health, safety and environment legislation, procedures and codes of practice including those governing work in excavations, hazardous materials, accidents and personal protective equipment (PPE)
2. the importance of following all hygiene procedures
3. how to interpret relevant drawings, plans and specifications
4. the various components in use on the water network
5. how to repair joints, horizontal and circumferential cracks and breaks, corrosion and interference damage and when replacement is necessary
6. how to repair or replace metallic and non-metallic pipes and fittings
7. techniques to use to repair components
8. component replacement methods for mains and services
9. the types of tools and equipment to be used when restoring components to operating condition
10. the care and control procedures to be used to ensure compliance with hygiene regulations
11. the different types of records and documentation used to record

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