

Overview

This unit is for those with responsibility for carrying out specified engineering remedial work on water systems, e.g. corrective actions specified in a legionella risk assessment. Such remedial work requires following standard operating procedures in line with regulations and guidelines. The equipment and materials to be used, the conditions necessary for the work to be carried out in a competent and safe manner and the specific operations to be performed are defined in written instructions. Responsibility is limited to carrying out the defined procedures and recording that the work has been carried out. Any deviations from the standard operating procedures are referred to others for action.

This unit deals with the following:

- 1 preparation before the work commences
- 2 carrying out the remedial work
- 3 checking system integrity post work

Previous Version

None

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Carry out remedial works to water systems

Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health and safety regulations and guidelines in line with company policies
 - P2 confirm that the work to be carried out is within your own limitations
 - P3 ensure that all job information essential to the correct installation of the component(s) is on site before job commencement
 - P4 ensure that all required resources are ready and available
 - P5 ensure that the tools, equipment, and materials selected are appropriate to carry out the work efficiently in line with company operating procedures
 - P6 ensure that tools and equipment are in serviceable condition
 - P7 complete the remedial work in line with company operating procedures
 - P8 confirm that the component(s) installation complies with company operating procedures
 - P9 check system and component(s) for soundness using company operating procedures
 - P10 deal with contingencies in line with company policy
 - P11 complete company documentation in accordance with company operating procedures
 - P12 safely collect and dispose of waste produced
 - P13 ensure the workplace is left as originally found

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Knowledge and understanding

You need to know and understand:

- K1 what your personal responsibilities with regard to health and safety in the working area are
- K2 what your legal responsibility for your own health and safety, and the health and safety of others is
- K3 what working practices ensure that the working environment is conducive to good health
- K4 what the approved codes of practice/working practices are and why it is important to follow them
- K5 how and when to complete a work task risk assessment
- K6 when specific site requirements are in place and what to do to comply with them
- K7 what your own limitations are
- K8 what to do if work is outside of your limitations
- K9 how to identify the nature of remedial work to be completed
- K10 company standard operating procedures with regard to the work involved
- K11 the job information essential to the job completion
- K12 how to identify the component(s) required
- K13 what preparatory work is required for the installation of components
- K14 what tools and equipment are required to complete the work
- K15 how to identify defective tools, equipment, or materials and the action to take
- K16 how to complete the engineering remedial works in accordance with company operating procedures
- K17 how to deal with contingencies
- K18 what documentation is required
- K19 how to complete documentation legibly
- K20 who to provide the documentation to
- K21 what disposable waste may be produced
- K22 how to safely collect and dispose of waste that may be produced
- K23 why it is important to leave the work place clean and tidy

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Additional Information

Glossary

Regulations and guidelines

Includes relevant health, safety and environmental regulations, COSHH, Codes of Practice, British, European and International standards, site procedures

Engineering remedial work

Includes installation, repair or modification of components within own limitations

Limitations

Defines own competence to carry out engineering remedial work within own knowledge and experience and in accordance with any regulations and guidelines

Job information

Includes access, location, remedial work required, health and safety, environment, hazards and risks, work plan

Resources

Includes personal protective equipment, tools, equipment and materials, chemical preparations, documentation, disposal techniques

Equipment

Includes access equipment, lighting, gas detection equipment, rescue equipment, sampling and test equipment

Company operating procedures

Includes company requirements, instructions and method statements

Documentation

Includes reports, records, labeling and identification sheet, written work instructions, hazard/risk assessment, method statement, certificate of compliance sheet

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Waste produced

Includes chemicals, system water, packaging, consumable materials, deposits, redundant system components

Component(s)

The items being installed, repaired or modified

Contingences

Includes equipment failure, lack of parts, environmental factors, chemical factors

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