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## Overview

This standard covers the maintenance of irrigation systems.

This standard is for those who are responsible for the maintenance of irrigation systems.

If you are working with chemicals or machinery you need to be appropriately trained or certificated in line with current legislation.

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value.

**Performance  
criteria**

You must be able to:

- P1 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies
- P2 inspect and assess irrigation systems and surfaces according to agreed time schedules
- P3 identify problems with irrigation systems and arrange repairs
- P4 select, prepare and use tools, equipment and machinery that are appropriate for the work, safely and effectively
- P5 record inspections clearly, accurately and promptly
- P6 restore the site to an appropriate condition following completion of the work
- P7 maintain effective working relations with all relevant people throughout
- P8 carry out work in a manner which prevents damage to the surrounding area
- P9 deal with waste safely and correctly in accordance with instructions

**Knowledge and understanding**

You need to know and understand:

- K1 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies
- K2 the principles of design and construction of irrigation systems
- K3 the principles, methods and calculations relating to soil water management
- K4 the water source and quality systems for irrigation
- K5 the maintenance requirements for irrigation systems
- K6 the different maintenance requirements of irrigation equipment
- K7 the different irrigation requirements of surfaces
- K8 the frequency and thoroughness of inspections to identify faults
- K9 what contingencies may affect operations and how to handle these effectively
- K10 what records need to be kept and why
- K11 the principles and application of risk assessments
- K12 the potential impact of your work on the environment and how to minimise this
- K13 how to handle, transport and dispose of waste in accordance with legal and organisational requirements
- K14 how to arrange repairs when problems occur

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## Glossary

Irrigation systems include those which are mobile or installed.

Surfaces provided for by these systems may include: hard/porous; synthetic; fine turf; coarse turf.

Specifications include drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines.

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Relevant occupations Gardener; Landscaper; Greenkeeper; Groundsman; Nursery Worker

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Suite Horticulture

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