
Overview

This standard is for those who supervise and implement the maintenance of land drainage systems. If you are working with chemicals or machinery you should be trained and hold current certification where required in line with relevant legislation. You must carry out your work in a way which will minimise the impact on the natural environment and enhance its nature, conservation and recreational value.

Performance criteria

You must be able to:

1. assess the risks associated with the site and the proposed maintenance work on land drainage systems
2. confirm that suitable clothing and personal protective equipment (PPE) is worn
3. inspect, assess and report on the site prior to implementing the maintenance of land drainage systems according to organisation requirements
4. confirm plans for the maintenance of land drainage systems are consistent with the purpose and function of the site and the specifications
5. determine the resources required to implement the maintenance of land drainage systems
6. confirm that the appropriate tools, equipment and machinery for maintenance of land drainage systems are prepared and used safely and correctly
7. check the working methods are established and clearly communicated to all those involved in the maintenance of land drainage systems
8. minimise any risk to the public and operators
9. implement planned operations for maintaining land drainage systems
10. supervise and monitor planned operations to ensure they meet the specifications and agreed time schedules
11. assess the results of planned operations
12. report and carry out repairs on identified problems with land drainage systems
13. confirm damage to services and surroundings is kept to a minimum while supervising and carrying out the maintenance of land drainage systems
14. confirm the disposal of waste and excess materials to minimise environmental risk in accordance with relevant legal requirements
15. confirm the site is restored to the required condition following maintenance of land drainage systems
16. record inspections and work carried out to rectify problems with land drainage systems in accordance with organisational requirements
17. confirm that work is carried out in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and organisational policies

Knowledge and understanding

You need to know and understand:

1. how to identify hazards and assess risks when supervising the maintenance of land drainage systems
2. how to select, prepare, use and maintain the required tools, equipment and machinery safely and correctly
3. the importance of maintaining communication with those involved in, or affected by, your work and how this should be done
4. the importance of inspecting and servicing land drainage systems regularly and the methods required to ensure land drainage systems are working correctly and efficiently
5. how to carry out inspections of land drainage systems
6. the types of problems that are likely to occur with land drainage systems
7. how to identify impeded drainage and its causes
8. methods to correct impeded drainage
9. the factors affecting flow rates in drains
10. the importance of land drainage systems working correctly and efficiently
11. the principles of land drainage design and installation methods
12. how to correct problems with land drainage systems
13. why it is important to keep working areas clean and tidy while supervising and implementing the maintenance of land drainage systems
14. the type of damage which is likely to occur to services and surroundings when maintaining and repairing land drainage systems and how to keep this to a minimum
15. why it is important to complete the work to the agreed schedule
16. what records need to be completed and retained and why
17. the importance of following relevant environmental and ecological best practice to help minimise the impact of your work on the

environment

18. how to handle, transport and dispose of waste in accordance with relevant legal and organisational requirements
19. how to supervise people while they carry out land drainage maintenance operations
20. your responsibilities under relevant health and safety legislation, codes of practice and organisational policies

Scope/range

implement the maintenance of the following drainage systems:

1. single pipe
2. multiple pipe
3. open drainage
4. secondary drainage

Glossary

Instructions – verbal or written

Specification – drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines, organisational policies

LANH66

Supervise and implement the maintenance of land drainage systems



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