



Course Title: Site Suitability Assessment for On Site Wastewater Treatment Systems (7059)	
Duration: 6 Days	Certification: QQI Certification
Expiry Period: N/A	Award: Wastewater Treatment Site Suitability QQI Level 6

Aim of Programme:

The aim of this course is to equip the learner with the knowledge, skill and competence to carry out site suitability assessment for on-site wastewater treatment plants, in compliance with current regulations and standards.

Target Learner:

This training programme is for learners who can be Planners, Environmental Scientist, General Operative, Technician, Engineer or Supervisor.

Learning Outcomes:

On completion of this programme, the learner will be able to

- Investigate the geological concepts such as bedrock type, subsoil type, bedrock fracturing and how to access relevant information from geological maps.
- Assess the key characteristics of soil in regard to texture, structure and colour.
- Diagnose the relationship between soil water and soil air.
- Consider the implications of various geological and topographical features on the flow of ground water.
- Assess the resource potential of groundwaters and surface waters.
- Describe how septic tanks and percolation areas work and the required maintenance for such infrastructure.
- Describe the health and environmental issues created by the poor design, siting and construction of septic tank systems.
- Source and research the suitability of alternative wastewater treatment options to properly treat wastewater.
- Explain the principles, strengths and weaknesses of the different types of mechanical aeration systems that are available as alternatives to the septic tank system.
- Contrast the legal measures and appropriate legislation which relate wastewater disposal to the local authorities experiences in dealing with these issues.
- Carry out the appropriate tests to determine water as unpolluted, moderately unpolluted or seriously unpolluted.
- Calculate the daily hydraulic loading for an onsite system.
- Conduct a desk study that includes a visual assessment of a site to determine the most appropriate system that satisfies all technical, environmental and health considerations.
- Conduct a trial hole and percolation test.
- Complete appropriate site characterisation forms.
- Determine from the findings of the desk study the most appropriate site system and the optimum discharger route taking into consideration desk study findings and other appropriate information.

Assessment:

- **Theory** based Examination (70%) which is Classroom Exam and Pass Standard of 50-60% and a duration of 2.5 hours.
- **Skills demonstration** (30%) which is Site Practical Exam and a Pass Standard 50-60% and a duration of 3-6 hours.

For more information please contact the Local Authority Services National Training Group.

T: 052 616 6260 | E: lasntg@tipperarycoco.ie | W: www.lasntg.ie



Entry requirements:

- Applicants must be able to demonstrate a level of knowledge, skill and competence associated with Level 4 of the NFQ.

Equipment/Documentation the learner must bring to course:

- Personal Protective Equipment (Safety Boots, High Vis),
- PPS number for QQI Certification,
- Identification-Safe pass,
- Driver's license or Passport.

Enquiries and Booking:

Please complete the Expression of Interest Form with your Training Officer.

See www.lasntg.ie for further details

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