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Continuing Education Course #517
An Introduction to Drip Irrigation Septic Systems

1. In traditional septic bed installation a sandy fill material is always required.
 a. True.
 b. False.
2. What is the name of a septic system that is raised due to high ground water or other limiting feature?
 a. A drip irrigation system.
 b. A conventional septic system.
 c. A mounded septic system.
3. In a drip irrigation septic system installation, what apparatus is used to spread the effluent into the septic field?
 a. The advanced treatment unit.
 b. The polyethylene tubing with built in flow emitters.
 c. The hydraulic unit.
 d. The system control panel.
4. In a typical drip irrigation system, the effluent enters the hydraulic unit prior to entering the advanced treatment unit.
 a. True.
 b. False.
5. If buoyancy calculations indicate that one or more of the treatment tanks might be subject to flotation, which of the following can be employed to address this?
 a. Using a heavy duty tank with a traffic-loaded lid to increase the tank weight.
 b. Placing concrete ballast in the bottom of the tank.
 c. Providing tie-downs with heavy ballast outside the tanks to prevent flotation.
 d. all of the above.
6. The pump in a septic system must be designed to pass the required dosage over what head?
 a. The elevation difference.
 b. The head due to friction losses.
 c. Both of the above.
 d. Neither of the above.
7. In most cases, the control panel can and should be maintained by the property owner and no outside professionals are required.
 a. True.
 b. False.
8. In a drip irrigation septic system, what unit provides final filtration prior to the effluent entering the absorption field?
 a. The pump tank.
 b. The hydraulic unit.

- c. The advanced treatment unit.
 - d. The control panel.
9. In cold climates, what prevents freezing in the hydraulic unit?
- a. A heating unit that comes with the hydraulic unit.
 - b. Burying the hydraulic unit below the frost level.
 - c. Wrapping the hydraulic unit in an insulating medium.
 - d. Frost in the hydraulic unit will not cause a problem.
10. The dripper lines can sometimes actually be plowed into the ground.
- a. True.
 - b. False.
11. How far apart should the dripper lines be set?
- a. 6"-24".
 - b. 24"-48"
 - c. Less than 6".
 - d. More than 48".
12. What percentage of suitable fill should pass a number 8 sieve?
- a. 100%.
 - b. between 80% and 100%.
 - c. Between 25% and 60%.
 - d. Between 2% and 10%.
13. In New Jersey, a 6 bedroom dwelling would be considered to generate how much effluent?
- a. 500 GPD.
 - b. 650 GPD.
 - c. 800 GPD.
 - d. 950 GPD.
14. Which of the following is an advantage of using a drip irrigation septic system?
- a. They are less expensive to install than a traditional system.
 - b. They have less components than a traditional system.
 - c. They can often eliminate or reduce the required height of the septic mound.
15. Which of the following is a disadvantage of a drip irrigation septic system?
- a. It is more complicated to operate because it contains more components than a typical septic system does.
 - b. Installation is generally more intricate than a typical system and, consequently, the installation cost is often higher.
 - c. Both of the above.
 - d. Neither of the above.

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