

Waste Management

1. According to regulations, the Health Department reviews a permit for a building addition to an older home. There is no public sewer connection in the area. The site has a seasonal high water table at 12 inches and is somewhat poorly drained soil. A site inspection reveals there is a septic tank on the property which flows into a tile that empties into a county ditch. There is no leach field. Choose the correct answer.

- I. A perimeter drain is required.
- II. Since the liquid from the septic tank is mostly water, there is no environmental concern.
- III. Home septic waste contains contaminants, an important environmental concern.
- IV. The Health Department cannot do site inspections.
- V. Installing a leach bed should filter out contaminants before they enter the stream.

- a) I, II
- b) I, III, V
- c) III, IV, V
- d) IV, V

Answer each question separately for Soil profile 1.

2. Poorly drained soil often has dark topsoil and gray subsoil. Is this soil poorly drained?

- A) Yes
- B) No

3. Well drained soil has a brown subsoil. Is this soil well drained?

- A) Yes
- B) No

4. Slope. Can you install a traditional septic system?

- A) Yes
- B) No

5. Drainage class. Do you need a perimeter drain?

- A) Yes
- B) No

6. Depth to slow permeability (dense glacial till). Can you install a traditional septic system?

- A) Yes
- B) No

7. Depth to fast permeability (sand and gravel). Can you install a traditional septic system?

- A) Yes
- B) No

8. Leach field will be located 60 feet from a pond. Can I install a traditional septic system?

- A) Yes
- B) No

Answer each question separately for Soil profile 2.

9. Slope. Can you install a traditional septic system?
 - A) Yes
 - B) No
10. Drainage class. Do you need a perimeter drain?
 - A) Yes
 - B) No
11. Depth to slow permeability (dense glacial till). Can you install a traditional septic system?
 - A) Yes
 - B) No
12. Depth to fast permeability (sand and gravel). Can you install a traditional septic system?
 - A) Yes
 - B) No
13. Leach field is located 45 feet from a water well. Can I install a traditional septic system?
 - A) Yes
 - B) No

Answer each question separately for Soil profile 3.

14. Poorly drained soil often has dark topsoil and gray subsoils. Is this soil poorly drained?
 - A) Yes
 - B) No
15. Well drained soil has a brown subsoil. Is this soil well drained?
 - A) Yes
 - B) No
16. Slope. Can you install a traditional septic system?
 - A) Yes
 - B) No
17. Drainage class. Do you need a perimeter drain?
 - A) Yes
 - B) No
18. Depth to slow permeability (dense glacial till). Can you install a traditional septic system?
 - A) Yes
 - B) No
19. Depth to fast permeability (sand and gravel). Can you install a traditional septic system?
 - A) Yes
 - B) No
20. My site was in the 100 year frequency zone can I install a traditional septic system?
 - A) Yes
 - B) No