

## PRETEST

February 2021

PLEASE ANSWER THE FOLLOWING QUESTIONS TO THE BEST OF YOUR ABILITY. THIS TEST WILL NOT BE GRADED OR COLLECTED - **PLEASE USE THIS AS A STUDY GUIDE.** *For additional study help, please keep in mind that the Department will be hosting 2 Help sessions starting at 7:00pm both Tuesday and Wednesday evening at the hotel. These sessions will help you with individual questions you may have and assistance in test preparation. We encourage your attendance!*

**TRUE OR FALSE:** Circle the correct letter, “T” for true and “F” for false

1. T F Care of interim/intermediate cover includes controlling erosion.
2. T F The Paint Filter Test runs for 5 minutes.
3. T F Stormwater controls are required as part of regular inspection and maintenance of a landfill facility.
4. T F Included on the Notice of Waste disposal should be the quantities and types of waste buried.
5. T F Leachate should be managed differently than stormwater.
6. T F Horizon A and Horizon B soils should be combined when stockpiled.
7. T F The landfill liner is part of the leachate removal system.
8. T F A landfill can be built on top of an aquifer.

**MULTIPLE CHOICE:** Circle the correct answer

9. The annual report, which is required by all permitted solid waste facilities, must be submitted by which day each year?
  - A. January 1
  - B. April 15
  - C. March 1
  - D. Groundhog Day
  
10. Horizon A soils are:
  - A. Typically highest in nutrients
  - B. Usually sandy
  - C. Composed of rocks and gravel
  
11. For landfills that are required to have groundwater monitoring wells, what are the minimum number of groundwater monitoring wells required?
  - A. 3 downgradient
  - B. One upgradient and two downgradient
  - C. 3 upgradient and 3 downgradient
  - D. Two upgradient and one downgradient

12. Semi-annual groundwater monitoring must take place during:
- A. Before the landfill is built
  - B. During the active life of the facility
  - C. Post-closure
  - D. Both B & C
13. When calculating post-closure cost estimates, how many years need to be factored in for care?
- A. 30 years
  - B. 5 years
  - C. Only 1 year if an appropriate closure plan has been submitted
  - D. 10 years
14. Drainage layers:
- A. Can be constructed using nature (gravel/sand) or synthetic materials
  - B. Can be a replacement for regular clay liner
  - C. Must be compacted
  - D. Are installed below all liners
15. The movement of groundwater generally occurs:
- A. Along the section lines
  - B. very slowly
  - C. upgradient to downgradient
  - D. Both B and C
16. A surge area is:
- A. A delineation between the landfill cell and the stormwater pond
  - B. A diversion structure to prevent leachate run-off from large rain events
  - C. Where the electrical power hooks up for the leachate pumps
  - D. An area of pooled leachate within a disposal cell

**BRIEFLY LIST A CORRECT ANSWER(S):**

17. During post-closure inspections, name 2 observations that should be included:

\_\_\_\_\_

18. Name 3 different types of landfills that can be permitted in North Dakota:

\_\_\_\_\_

\_\_\_\_\_

**MATCHING:**

Write the correct matching letter in the blank next to the corresponding number.  
Each matching letter is used once.

- |                     |   |
|---------------------|---|
| 19. _____ Air test  | A. milligrams per liter   |
| 20. _____SPGM       | B. Tests the welds in the liner by pressurizing air channels in the seam. |
| 21. _____NIMBY      | C. Construction Quality Assurance report                                  |
| 22. _____mg/l       | D. Suitable Plant Growth Material   |
| 23. _____ppm        | E. parts per million  |
| 24. _____TCLP       | F. Toxicity Characteristic Leaching Procedure                             |
| 25. _____CQA Report | G. Not In My Back Yard  |