

***** EXAMINATION *****

EPA LAND APPLICATION OF SLUDGE

1. **Land application includes:**
 - a) spraying
 - b) spreading
 - c) injecting
 - d) All of the above

2. **Sewage sludge is applied as a fertilizer to:**
 - a) supply protein to the crops
 - b) supply nutrients to the crops
 - c) supply alkali to the crops
 - d) supply phosphate to the crops

3. **To re-establish basic plant cover in mining sites,**
 - a) large amounts of nitrogen and organic material may be required
 - b) large amounts of hydrogen and inorganic material may be required
 - c) large amounts of nitrogen and inorganic material may be required
 - d) large amounts of hydrogen and organic material may be required

4. **Sewage sludge quality is based on:**
 - a) the presence of pollutants
 - b) the presence of pathogens
 - c) the attractiveness to vectors
 - d) All of the above

5. **A parasite is a type of:**
 - a) pollutants
 - b) pathogens
 - c) vector
 - d) None of the above

6. **A fly is a type of:**
 - a) pollutants
 - b) pathogens
 - c) vector
 - d) None of the above

7. **Arsenic is a type of:**
- a) pollutants
 - b) pathogens
 - c) vector
 - d) None of the above
8. **Sludge that meets the most stringent limits of sludge quality is:**
- a) EQ sewage sludge
 - b) premium sewage sludge
 - c) No-load sewage sludge
 - d) None of the above
9. **Open land with indigenous vegetation is also known as:**
- a) prairie land
 - b) valley
 - c) forest land
 - d) range land
10. **A used strip mine is an example of:**
- a) a range land
 - b) a reclamation site
 - c) a superfund site
 - d) None of the above
11. **During a land application, sufficient information is transferred between:**
- a) the land applier
 - b) the land owner
 - c) the permitting authority
 - d) All of the above
12. **Notifying the permitting authority before application is the**
- a) responsibility of the owner
 - b) responsibility of the land applier
 - c) responsibility of the preparer
 - d) All of the above
13. **The ceiling concentration of cadmium is:**
- a) 57 milligrams per kilogram dry weight
 - b) 75 milligrams per kilogram dry weight
 - c) 85 milligrams per kilogram dry weight
 - d) 95 milligrams per kilogram dry weight
14. **Pollutant concentration limits are:**
- a) weekly average values in milligrams per kilograms on a dry weight basis
 - b) monthly average values in milligrams per kilograms on a dry weight basis
 - c) yearly average values in milligrams per kilograms on a dry weight basis
 - d) None of the above

15. **Animals shall not be grazed on a site for:**
- a) 7 days after sewage sludge application
 - b) 14 days after sewage sludge application
 - c) 21 days after sewage sludge application
 - d) 30 days after sewage sludge application
16. **Any place where an endangered species lives is a:**
- a) critical habitat
 - b) favored use area
 - c) designated wildlife refuge
 - d) available refuge
17. **A water of the United States may be:**
- a) a creek
 - b) a lake
 - c) a wetland
 - d) Any of the above
18. **Sewage sludge may be applied to land that was:**
- a) flooded
 - b) frozen
 - c) covered with snow
 - d) None of the above
19. **The buffer zone for distance to waters of the United States is:**
- a) 10 meters
 - b) 30 meters
 - c) 50 meters
 - d) 70 meters
20. **The value of the nitrogen content of the sewage sludge comes from:**
- a) nitrate
 - b) ammonium
 - c) Kjeldahl
 - d) All of the above

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