

Hazardous Waste Handling & Storage

Apply hazardous waste regulations in order to protect the environment

1. After working on a wet bench, any PPE which may contain a few drops of acid are placed in the "Corrosive Contaminated" waste bin. Is the PPE a hazardous waste?

- A. Yes
- B. No

2. Because RCRA defines Hazardous Wastes as "Solid Wastes," a cylinder full of gas that needs to be disposed of (such as boron trifluoride) would not be regulated under RCRA because gasses technically aren't solids.

- A. True
- B. False

3. The specific Act passed to address hazardous wastes (found in 40 CFR) is entitled:

- A. Recycling and Conserving Responsibly Act
- B. Resource Conservation and Recovery Act
- C. Remediation of Chemicals and Radiation Act
- D. Hazardous Waste Rules

4. The term "Cradle to Grave" liability means that a facility is responsible for it's hazardous waste:

- A. As long as it is on the facility's property
- B. Until it has been buried in a hazardous waste disposal facility
- C. As long as the hazardous waste is in existence
- D. Until the waste has been sealed in a leakproof approved container

5. Under RCRA a facility is liable for it's hazardous waste until it has been given to an approved waste transportation and disposal company, at which time the waste transportation facility assumes any and all future liability.

- A. True
- B. False

6. Who is regulated by RCRA?

- A. The company that creates hazardous waste
- B. The company that transports hazardous waste
- C. Hazardous waste Treatment, Storage, & Disposal Facilities
- D. All of the above

Apply waste management guidelines for your site

7. A bottle of expired photolithography chemical should be disposed of by labeling the bottle appropriately and throwing it away in a solvent contaminated waste bin.

- A. True
- B. False

8. Common wastes, such as ni-cad batteries or fluorescent light bulbs, are regulated as:

- A. Universal wastes
- B. De Minimus wastes
- C. Exempt wastes
- D. They are not regulated wastes

9. Free liquids (such as a full bottle of 10% IPA) are NOT allowed to be placed in waste receptacles.

- A. True
- B. False

10. If the MSDS for a chemical lists any health hazards, then that chemical must be classified as a hazardous waste at the time of disposal.

- A. True
- B. False

11. Intentionally diluting a hazardous waste down to sub-hazardous levels is an acceptable means of treating hazardous waste?

- A. True
- B. False

12. When a listed hazardous waste such as acetone is spilled or mixed in water, the entire solution becomes a hazardous waste.

- A. True
- B. False

13. You are disposing of a solvent filter that is dripping wet with a solvent, is the filter a hazardous waste?

- A. Yes
- B. No

Identify the employee's roles and responsibilities for hazardous waste handling

14. A manager of employees who handle hazardous wastes does NOT need to be trained in RCRA Hazardous Waste Regulations because he/she never actually touches the waste.

- A. True
- B. False

15. Knowingly and willfully violating RCRA regulations regarding hazardous waste can result in

- A. Notice of Violation (NOV) from regulatory agencies
- B. Fines to the company
- C. Imprisonment of the individual(s) involved
- D. All of the above

16. Please select the most appropriate answer below, which identifies the responsibility(s) of a Waste Engineer?

- A. Perform weekly inspection of 90 day storage areas, prepare wastes for shipping
- B. Overall responsible for the Hazardous Waste Program
- C. Handle hazardous wastes appropriately
- D. Initial responders to hazardous chemical spills

17. Please select the most appropriate answer below, which identifies the responsibility(s) of a Waste Handler?

- A. Perform weekly inspection of 90 day storage areas, prepare wastes for shipping
- B. Overall responsible for the Hazardous Waste Program
- C. Handle hazardous wastes appropriately
- D. Initial responders to hazardous chemical spills

18. Please select the most appropriate answer below, which identifies the responsibility(s) of a Waste Technician/Specialist?

- A. Perform weekly inspection of 90 day storage areas, prepare wastes for shipping
- B. Overall responsible for the Hazardous Waste Program
- C. Handle hazardous wastes appropriately
- D. Initial responders to hazardous chemical spills

19. Please select the most appropriate answer below, which identifies the responsibility(s) of the Emergency Response Team?

- A. Perform weekly inspection of 90 day storage areas, prepare wastes for shipping
- B. Overall responsibility for hazardous waste program
- C. Handle hazardous wastes appropriately
- D. Initial responders to hazardous chemical spills

Identify the properties of a hazardous waste

20. Common wastes, such as ni-cad batteries or fluorescent light bulbs, are regulated as:

- A. Universal wastes
- B. De Minimus wastes
- C. Exempt wastes
- D. They are not regulated wastes

Recognize requirements for storage area, tank system and off site shipment of hazardous waste

21. A bulk solvent waste tank would need to be emptied at least every 90 days in order to comply with RCRA Hazardous Waste accumulation rules.

- A. True
- B. False

22. A lab technician collects solvent waste in a 20 gallon bottle, keeping the bottle in a chemical cabinet adjacent the hood where he uses the solvent. This is an example of:

- A. 90 Day Storage Area
- B. Satellite Accumulation Area
- C. Small Quantity Exempt Storage Area
- D. Improper storage of Hazardous Waste

23. At a large quantity generator facility such as IMFT, hazardous wastes may be accumulated on-site for a maximum of:

- A. 72 hours
- B. 15 days
- C. 90 days
- D. 2 years, provided containers are not leaking

24. When storing waste in a 90 Day Accumulation Area, the "start date" is the date when the first bit of waste is placed in the container. However for a Satellite Accumulation Area, the start date is the date when the container reaches full capacity.

- A. True
- B. False

Answer Key

1.B

2.B

3.B

4.C

5.B

6.D

7.B

8.A

9.A

10.B

11.B

12.A

13.A

14.B

15.D

16.B

17.C

18.A

19.D

20.A

21.A

22.B

23.C

24.A