

Dow Chemical LAD
Solvents / EDC 1

Asbestos Training Test

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Employer : Dow Chemical

I. True/False (Circle "T" if the statement is true; Circle "F" if the statement is false)

- ☒ T F 1. Asbestos fibers present a hazard to personnel when the bond that holds the material together is broken or begins to disintegrate, and the fibers become airborne.
- ☒ T F 2. Asbestos is a naturally occurring mineral that was widely used in the past due to it's excellent strength, resistance to chemical reaction, and heat tensile.
- ☐ T ☒ F 3. Since 1987, it is illegal to use asbestos.
- ☒ T F 4. Asbestos workers who smoke have a 50 to 90 times greater chance of developing cancer than a non-smoking non-asbestos worker.
- ☒ T F 5. When inhaled, the asbestos fibers attach to the interior of the lung and can cause tissue scarring, which may lead to serious health problems such as asbestosis.
- ☒ T F 6. Before the removal of asbestos containing materials in the Plant may begin, the Louisiana Department of Environmental Quality must be notified, in writing, at least 10 business days in advance, and, must issue an Asbestos Disposal Verification Form specific to that job.
- ☒ T F 7. When asbestos containing material is removed, it must be wetted and placed in a labeled container that is leak tight.
- ☒ T F 8. Asbestos gaskets must be removed using the "wet method".
- ☒ T F 9. Chronic diseases associated with asbestos may occur from 10 to 40 years after the exposure occurs.
- ☒ T F 10. Inhalation is the primary exposure route linked with asbestos.
- ☐ T ☒ F 11. Asbestos gaskets may be disposed of in the general trash.
- ☐ T ☒ F 12. A shop-vac can be used to clean up asbestos fibers.
- ☒ T F 13. HEPA filters are required for all asbestos work using air-purifying respiratory protection.
- ☒ T F 14. The exterior walls of MCC-3 (AHCL Motor Control Center) are constructed of asbestos containing transite.
- ☐ T ☒ F 15. Graffoil and Garlock gaskets should be disposed of in the same container.

II. Matching: Match the letter of the term on the right with the phrases on the left.

- | | | | | |
|----------|-----|--|----|-------------------------------------|
| <u>G</u> | 1. | IH activity that establishes the number of asbestos fibers per cubic centimeter of air | A. | Action Level |
| <u>P</u> | 2. | 0.1 fibers per cubic centimeter | B. | Asbestosis |
| <u>H</u> | 3. | 0.2 fibers per cubic centimeter | C. | Dow Asbestos Document Freeze |
| <u>E</u> | 4. | Pulmonary function test, chest X-ray and review of respiratory history | D. | HEPA Filter |
| <u>C</u> | 5. | Applies to any document generated by an employee of Dow, which; contains the word asbestos, refers to asbestos, or intentionally omits the word asbestos but still infers it | E. | Medical Surveillance Program |
| <u>D</u> | 6. | A high-efficiency air-purifying device used in asbestos abatement work | F. | Mesothelioma |
| <u>J</u> | 7. | A document that must be obtained from the DEQ prior to starting any asbestos abatement work in the plant | G. | Monitoring |
| <u>I</u> | 8. | Fluid collecting between chest wall and lung | H. | PEL |
| <u>B</u> | 9. | A disease common among asbestos workers where scar-like or fibrous material is found in lung tissue | I. | Pleural Effusion |
| <u>F</u> | 10. | Cancer of the membrane lining the chest and abdominal cavity | J. | Asbestos Disposal Verification Form |

III. Name three areas in the plant where asbestos containing materials are located.

1. MCC 3
2. Electrical
3. Boiler

IV. Bonus Question

- (T) F 1. The burial gown of Julius Caesar (circa 44 B.C.) is made from asbestos.

Answer Sheet

Section I

1. True
2. True
3. False
4. True
5. True
6. True
7. True
8. True
9. True
10. True
11. False
12. False
13. True
14. True
15. False

Section II

1. G
2. A
3. H
4. E
5. C
6. D
7. J
8. I
9. B
10. F

Section III

1. MCC 3
2. R-1E I-beams
3. Gasket Storage Area

Section IV.

1. True