

1993 Annual Vinyl Chloride Training Quiz

Name _____ Badge # _____ Date _____

True or False:

- ___ 1. Since Vinyl Chloride is regulated separately by OSHA, it is not listed in the plant MSDS system.
- ___ 2. The fixed area monitoring systems located at VCM II, Tri II, the VCM Tank Car Loading Dock, and the South Terminal areas were installed by PPG to monitor VCM levels in the air.
- ___ 3. Federal regulations require that all open ended valves in VCM service be blinded, plugged, or double valved.
- ___ 4. Routine VCM leak patrols, which are required by OSHA, are done by operations and shipping department to reduce the chances for employees being overexposed to VCM.
- ___ 5. Most of PPG's VCM is stored as a gas in open top tanks.
- ___ 6. The STEL (Short Term Exposure Limit) for VCM is 5 ppm time-weighted average for a fifteen minute period.
- ___ 7. One of the purposes for the physical examination bloodwork is to gather information on five liver function tests required by OSHA for VCM workers.
- ___ 8. The proper respiratory protection for VCM is a full face mask with double cartridges certified by OSHA for VCM service.
- ___ 9. The PEL (Permissible Exposure Limit) for VCM workers is 10 ppm time weighted average for an eight hour period.
- ___ 10. VCM odors can be detected by the nose at levels low enough to prevent both short term and long term overexposure.
- ___ 11. A 1% (or 10,000 ppm) mixture of VCM in air is non-explosive.
- ___ 12. VCM has been proven to cause liver cancer in workers after many years of repeated exposures to high levels (more than 1000 ppm) of VCM vapors.
- ___ 13. VCM vapors are heavier than air.
- ___ 14. PPG has never had a single case of angiosarcoma of the liver due to work related exposure to VCM.
- ___ 15. VCM can normally be found in the all of the following places at the Lake Charles complex:
 - a. VCM II.
 - b. Triethane II.
 - c. VCM loading areas. (South Docks, VCM tank car loading)
 - d. Low Temp Storage Tanks (South Terminal).
 - e. VCM I Day Tanks and Sphere area.
 - f. North Dock Sphere #3.
 - g. Certainteed pipeline.
 - h. Main laboratory.
 - i. WTU (vent headers to incinerators and certain Central Steam Stripping equipment)

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