

ENVIRONMENTAL TRAINING (Section I Module #5)

OSHA VINYL CHLORIDE STANDARD 1910.1017

Purpose: To familiarize you with the OSHA Vinyl Chloride Standard and to partially fulfill the training requirements of the standard.

Resources: OSHA Vinyl Chloride Standard
Vinyl Chloride MSDS
Vinyl Chloride CETA Sheet
Dow and Vinyl II I.H. Contacts

Required Level of Performance: 100%

1. "Action Level" means a concentration of VCM of _____ ppm averaged over an _____ work day.
2. "Emergency" means any occurrence such as, but not limited to, _____, or operation of a _____ which is likely to, or does, result in _____ of VCM.
3. "Hazardous Operation" means any operation, procedure, or activity where a release of either VCM _____ or _____ might be expected as a consequence of the operation or because of an _____ in the operation, which would result in an employee exposure in _____ of the _____.
4. State the three criteria included in "Permissible exposure limit":
 - a. _____
 - b. _____
 - c. _____
5. Monitoring shall be repeated at least monthly where any employee is exposed, without regard to the use of respirators in excess of the _____.
6. Monitoring may be repeated not less than quarterly where any employee

R&S 041401

- is exposed, without regard to the use of respirators in excess of the _____
7. Monitoring may be _____ for any employee only when at least two consecutive monitoring determinations, made no less than _____ working days apart, show exposures for that employee at or below the _____
8. A regulated area shall be established where VCM is manufactured, stored, or handled and VCM concentrations are in _____
9. Employee exposures to VCM shall be controlled to at or below the permissible exposure limit using feasible _____ and _____ to at or below the permissible exposure limit.
10. State when entry into unknown concentrations of VCM or concentrations of VCM or concentrations greater than 36,000 ppm (lower explosive limit) may be made. _____
11. State the required respiratory protection when entering into unknown concentrations of VCM. _____
12. Name five of the requirements the Vinyl Chloride Standard training program.
- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
13. State when a review of this standard is required:
- a. _____
- b. _____

R&S 041402

14. A medical exam shall be performed once per year, except for employees with 10 or more years in VCM manufacturing, in which case medical exams shall be performed every _____ months.

15. Areas containing hazardous operations or where an _____ exists shall be posted with legible signs bearing the legend:

CANCER-SUSPECT AGENT IN THIS AREA
PROTECTIVE EQUIPMENT REQUIRED
AUTHORIZED PERSONNEL ONLY

16. Records of required monitoring and measuring and medical records shall be provided upon _____ to employees.
17. Monitoring and measuring records shall be maintained for not less than _____. Medical records shall be maintained for the duration of the employment of each employee plus _____, or _____ whichever is longer.
18. Within _____ working days following any monitoring and measuring which discloses that any employee has been exposed, without regard to the use of respirators, in excess of the permissible exposure limit, each such employee shall be _____ of the results of the exposure measurement and steps being taken to _____ to within the permissible exposure limit.
19. State the flammable limits (VCM):
a. LFL: _____
b. UFL: _____
20. Health Hazard Data: Easily attainable concentrations may cause _____, even _____. Signs and symptoms of excessive exposure may be _____ or _____ effects.
21. Organ Effects: _____, _____, and _____.
22. Carcinogenicity: Positive in _____ and animals.
23. Birth or reproductive effects: _____.
24. State the reported odor thresholds: _____ - _____ ppm.

R&S 041403

Time Required To Complete Module: _____

Completed By: _____ **Date:** _____

Reviewed By: _____ **Date:** _____

Revision Notes

None

Review Notes

Kenny Phillips/Steve Smith 9/95

R&S 041404