

Vinyl Chloride Safety Association

Topics For Next Meeting

st conditions and control for safety purposes especially with lead, cadmium etc. in the compounding operation.

Protect electrical conduits from small blowouts.

Prevention of monomer ignition outside the plant during monomer venting from reactors or other vessels.

Catalyst decomposition.

Safety problems in vinyl chloride monomer plants.

Occupational Safety and Health Act. —

Plant safety design and spacing.

Handling and shipping of VCM.

Should equipment be shut down during a major vapor release?

Air pllution - VC monomer.

ilities to cut down vent gas in order to reduce the concentration of contaminants in air.

Special problems with large reactors, above say 7M gallons.

Equipment failure.

Equipment obsolescence.

MVC leakages and control of them.

MVC fire control

Experiences in safety.

Spark sources due to static electricity.

VCM sniffing.

Power failures and its control.

Accidents, descriptions and recommendations.

22. Reactor entry procedures.
23. Reactor cleaning.
24. Gas detection systems (locations and types).
24. Safety & relief valve testing (frequency and methods).
25. Update on OSHA and its effects.
26. Accident experiences.
27. Design criteria for large reactors.
28. Safety problems in VCM plants.
29. OSHA - 1973.
30. Guidelines or criteria for safety.
31. Major emphasis on accidents - near misses and solutions.
32. Accident review.
33. Standard (on blend tanks).
34. Tape library (pro and con).
35. Handling monomer spills.
36. Incidents within past year.
37. What have we learned from vapor cloud study? What does this mean to our operations?
38. Operator training.
39. Vessel inspection.
40. Since there have been so many incidents of peroxide catalyst decompositions (8 in 31 members in past year) recommend we review problems in catalyst handling as a major topic.
41. Review of accident incidents - willing to lead discussion.

OCC 4617

- Subjects unable to cover in 1/21 - 2/1 meeting.
- Additional review of OSHA inspected plants.
- Catalyst handling - 8 accidents this past year shows need to review this topic.
- Safety criteria or guidelines for establishing of individual safety procedures.
- Plant losses and near misses.
- Reporting and investigating procedures.
- Safety criteria.
- Safety problems with solvent cleaning systems.
- High pressure cleaning.
- Minimum safe manpower level.
- Reactor obsolescence.
- A Summary (will help).
- FIA summary report and deluge design.
- High pressure cleaning.
- Legal problems - Tapes, Standards, etc.
- OSHA and hygiene update.
- Relief valve sizing.
- Update of IPP storage and handling.
- Initiators handling and storage update.
- Valving update plus automation and remoting.
- OSHA update.
- Discussion on other OSHA inspections.

- . Safety shutdown system design, maintenance.
- X65. Handling of VCM discharges from safety relief systems.
- 66. Use of foam to control vaporization of VCM liquid spills.
- X67. Short review of OSHA or NIOSHA inspections.
- X68. More direct safety problems in VCl production.
- X69. Poly entry procedures with respect to analysis of atmosphere in vessel before entry.
- 70. Proper grounding of equipment.
- X71. More time should be devoted to developing procedures, preventing serious accidents. Subjects to be based on most frequent types of serious accidents, by statistics - fires - asphyxiation. For the limited number of plants involved it seems to me that we have more serious accidents or potentially serious accidents than a chemical plant should have each year.