

H. G. Olson

ETHYL CORPORATION

MANUFACTURING DEPARTMENT

May 15, 1980

PLEASE ADDRESS REPLY
TO BOX 341
BATON ROUGE LA 70821

Mr. Jack Zimmerman
Program Chairman
Vinyl Chloride Safety Association
Diamond Shamrock Corporation
1100 Superior Avenue
Cleveland, Ohio 44114

Dear Jack:

Attached is our response to your checklist on agenda and topics of discussion for the October 23-24, 1980 VCSA meeting.

Herb Olson, Cecil Loechelt and I are planning to attend the meeting but I have no volunteer for conducting sessions.

Sincerely,

H. G. Smith

H. G. Smith

HGS:mcw

Attachment

OCC 3670



DOW CHEMICAL U.S.A.

April 4, 1980

MICHIGAN DIVISION
MIDLAND, MICHIGAN 48640

To: Members of the Vinyl Chloride Safety Association

AGENDA AND TOPICS OF INTEREST

Following is the agenda and possible topics of interest for the 1980 meeting of the Vinyl Chloride Safety Association to be held on October 23 & 24. There will be three sessions including:

- SESSION I - VCM PRODUCTION, TRANSPORTATION & STORAGE
- SESSION II - PVC UNIT OPERATIONS
- SESSION III - REGULATIONS & TRUE CONFESSIONS

Certainly, the old adage "an ounce of prevention is worth a pound of cure" applies to safety when handling vinyl chloride. Thus, a key objective of the discussions is to explore ideas that can measurably improve the safety of operations involved in the manufacture and use of vinyl chloride monomers. Actions taken to correct or prevent problems will be of interest to others.

The intent of this letter is to ascertain the interests of members with regards to specific topics of presentation and discussion. Therefore, suggested major topics have been listed below. This list is not intended to be the final agenda or to exclude other topics of interest. Please indicate which topics are of interest and if you and your company can lead* a discussion area. The meeting will be structured around your comments.

SESSION I - VCM PRODUCTION, TRANSPORTATION & STORAGE (CHECK LINES PROVIDED)

<u>Transportation</u>	<u>Topic of Interest</u>	<u>*Willing to Present</u>
<u>Tankcar Modifications</u>		
. Vent relief	☒	☐
. Improved valves	☐	☐
. Improved couplings	☐	☐
. Construction material improvements	☐	☐
. Gasket materials	☐	☐
. Sampling systems	☒	☐
. "Leakproof" valves & fittings	☒	☐



	<u>Topic of Interest</u>	<u>Willing to Present</u>
<u>Tankcar Filling</u>		
. Piping system improvements	✓	
. Level control devices	✓	
. Remote operations	✓	
. Automatic shut-off devices	✓	
. Overfill protection system	✓	
. Instrumentation & redundancy		
<u>Tankcar Cleaning & Repair</u>		
. Tankcar preparation	✓	
. Polymer problems		
. Peroxide problems		
. Undercarriage improvements		
<u>Tankcars in Transit</u>		
. Safer routing		
. Railbed conditions		
. Derailment cleanup		
. Weight problems		
<u>Water Transportation</u>		
. Vessel design improvements		
. Materials of const.		
. Valves & fittings		
. Spill containment		
. Piping system improvements		
. Level control devices		
. Vent systems		
. Remote operations		
. Automatic shutoff devices		
. Overfill protection system		
. Instrumentation & redundancy		
. Vessel preparation & cleaning		
. Polymer problems		
. Routing problems		
<u>Storage</u>		
. Vent relief systems	✓	
. Remote operation		
. Evacuation plans & training	✓	
. Emission control systems	✓	
. Preparation for vessel entry & cleaning	✓	
. Hi pressure cleaning system	✓	
. Respiratory protection	✓	

	Topic of Interest	*Willing to Present
<u>Storage</u>		
. Solids disposal	✓	
. Computer control	✓	
. Gasket materials	✓	
. Materials of const.	✓	
. Valve improvement	✓	
. GC monitoring		
. Mechanical seals improve- ment on pumps and compressors	✓	
. Level control systems	✓	
. Improved loading systems	✓	
<u>VCM Production</u>		
. Vent relief systems	✓	
. Improved valves	✓	
. Evacuation plans & training	✓	
. Vessel entry prepara- tion & cleaning	✓	
. Emission control system	✓	
. Hi pressure cleaning systems	✓	
. Improved materials of const.	✓	
. Remote operation	✓	
. Burner system	✓	
. Standby power		
. Corrections to emergency releases	✓	
. Respiratory protection	✓	
. Mechanical seals		
Compressors	✓	
Pumps	✓	
. Computer redundancy	✓	
. Gasket materials	✓	
. GC precision & accuracy--	✓	
. Stacks-design improvements		
. Plant boundary monitoring		
. Current state of employee health	✓	
. Outdoor vs. indoor plants	✓	
. Solids disposal	✓	
. Polymerization problems	✓	
. Emission control system redundancy	✓	

SESSION II - PVC UNIT OPERATIONS & FINAL CONTROL DEVICES

<u>Unit Ops. & Final Control Devices</u>	<u>Topics of Interest</u>	<u>*Willing to Present</u>
. Vent relief systems	✓	
Type	✓	
Design	✓	
Construction	✓	
. Remote operations		
. Evacuation plans		
. Emission control		
. Burner systems		
. Standby power	✓	
. Catalyst handling		
. Follow-up to emerg. releases	✓	
. GC precision & accuracy		
. Storage tank cleaning & preparation	✓	
. Hi pressure cleaning system		
. Piping & vessel entry preparation & cleaning	✓	
. Respiratory protection		
. Solids disposal	✓	
. Follow-up to major accidents		
. Follow-up to safety related operations problem		
. Recovery compressor improvements	✓	
. Computer redundancy	✓	
. Mechanical seal		
compressors	✓	
pumps	✓	
reactors	✓	
. Alternate reactor cooling sources	✓	
. Redundant instrumentation on vent systems	✓	
. Plant boundary monitoring		
. Improvements in safety training or techniques	✓	
. Data control & retention		
. Carbon absorption		
. Hazards analysis	✓	
. Computerization & safety		
. Other topics of interest		

SESSION III - REGULATIONS & TRUE CONFESSIONS

<u>Toxicology</u>	<u>Topic of Interest</u>	<u>*Willing to Pres</u>
. Females in work area	✓	
. Progress at C.I.I.T.	✓	
. Toxicology studies summary	✓	
<u>Regulations & Regulators</u>		
. OSHA	✓	
- Current law		
- Regional differences	✓	
- Citations	✓	
- Excursion letters	✓	
- Variances	✓	
- Respiratory protection requirements	✓	
- Plant boundary monitoring	✓	
- Inspections	✓	
- Employee letters	✓	
. EPA	✓	
- Current law		
- Regional differences	✓	
- Citations	✓	
- Excursion letters	✓	
- Variances	✓	
- Inspections	✓	
- Monitoring systems	✓	
. Regulations Outside U.S.	✓	
- Current law	✓	
- Citations	✓	
- Variances	✓	
- Respiratory protection requirements	✓	
- Monitoring systems	✓	
- Inspections	✓	
<u>True Confessions</u>		
- Spills	✓	
- Leaks		
- Fires	✓	
- Near misses (Important area - "ounce of prevention...")	✓	
- Excursion letters		
- Accidents	✓	
- Citations	✓	
- Emissions		
- Runaway reactions	✓	
- Set up reactions		

True Confessions (Con't)

Topic of Interest *Willing to Pres

- Material of construction failure
- Vent relief system failures
- Operational errors
 - . Inadequate supervision
 - . Inadequate training
 - . Attitude problems
- Mechanical seal failures
- Gasket failures
- Railcar derailments

✓
✓
✓
✓
✓
✓
✓

Please return your responses by May 29, 1980 to one of the members listed below.

Thank you.

Warren Clark

Warren Clark
Vice Chairman
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Jack Zimmerman

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