

1993 VCSA CONFERENCE

SAN ANTONIO, TEXAS

OCT. 7 - 8

RESERVATIONS

HYATT REGENCY SAN ANTONIO
ON THE RIVERWALK AT PASEO DEL ALAMO
123 LOYOSA STREET
(210) 222-1234
(210) 227-4925 (FAX)

Nights of Oct. 5, 6, 7 & 8 - single room - no smoking (MITCH)

ON WAITING LIST FOR CANCELLATIONS FOR 10/9. (JANET)

Confirmation No.: 287254 - Cancellation Policy requires 48 hours notice

AIRLINE RESERVATIONS - (SUSAN) (DEBBIE)

10/5 - LAKE CHARLES

DEPART - 5:17 PM - FLIGHT 2619 (CONTINENTAL)

ARRIVE - 5:57 PM - HOUSTON

DEPART HOUSTON - 7:57 PM

ARRIVE - 9:01 PM - SAN ANTONIO

AIR FARE - \$249.00

HERTZ RENT-A-CAR

10/10 - SAN ANTONIO

DEPART - 1:45 PM - FLIGHT 1875 (SOUTHWEST)

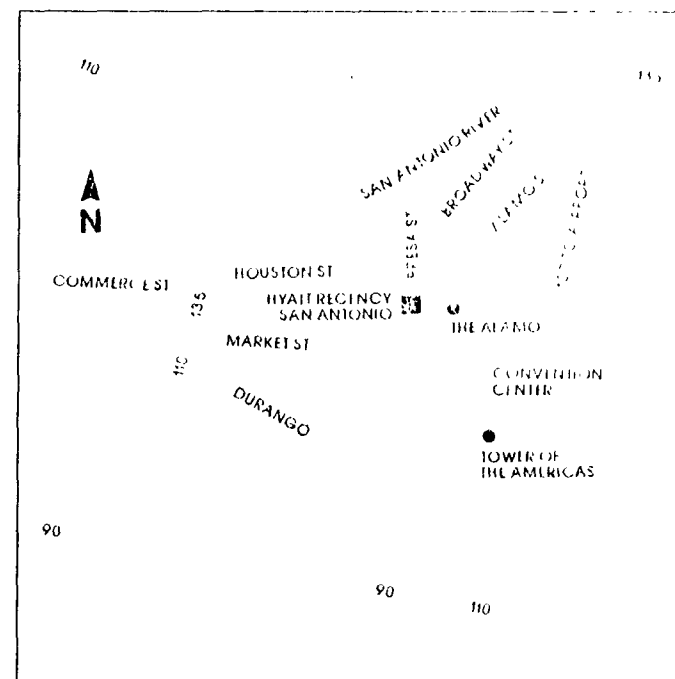
ARRIVE - 2:35 PM - HOUSTON (HOBBY)

CTL015230



Directions:

- Austin:** 35 South to Interstate 37 South. Exit Houston St. and turn right. At Broadway, turn left. Broadway will become Losoya.
- Dallas:** 35 South to Interstate 37 South. Exit Houston St. and turn right. At Broadway, turn left. Broadway will become Losoya.
- El Paso:** I-10 East to 35 North. Exit McCullough and turn right. At Broadway, turn right. Broadway turns into Losoya.
- Houston:** Take I-10 West to I-37 North. Exit Commerce St., and turn left. At Presa St., turn right. At College St., turn right. At Losoya turn right.
- Laredo:** Take 35 North to I-37 North. Exit Commerce St., and turn left. At Presa St., turn right. At College St., turn right. At Losoya turn right.
- Corpus Christi:** Take 37 North, exit Commerce and turn left. At Presa St., turn right. At College St., turn right. At Losoya St., turn right.



HYATT REGENCY SAN ANTONIO

1993 VCSA CONFERENCE SAN ANTONIO, TX THURS. & FRI., OCT. 7 & 8

PLACE: Hyatt Regency San Antonio
on the Riverwalk at Paseo Del Alamo,
123 Loyosa Street, San Antonio, Tx., 78205
Telephone: (210) 222-1234
Fax: (210) 227-4928
Hotel contact: Peggy Cervera

AIRPORT TO HOTEL:

15 minutes from San Antonio International Airport by cab for \$10.00; limo is \$6.00
There is no courtesy van.

HOTEL ROOMS:

\$129 per night, single or double; plus 13% tax. Make your own reservations by means of credit card or an advance deposit.

RESERVE YOUR ROOM BY SEPT. 3. AT THE LATEST. A block of rooms have been reserved - REFER TO VCSA. Same rate will apply a few days before and after the VCSA Conference depending on availability. If you plan to stay over the weekend, you must reserve early.

REGISTRATION:

Between 5:00 - 6:00 p.m. on Oct. 6, at location posted in the lobby and between 7-7:45 a.m. outside conference room. Estimated \$ charge will be given in the final notice in Aug. **HAND OVER YOUR BUSINESS CARD WHEN YOU REGISTER.**

Fee will be around \$75 per person to pay for 1993 meeting.

VCSA OFFICERS MEETING:

This will be at 2:00 p.m. on Oct. 6, at a room to be designated later.

Agenda speakers are still needed. If you have a topic that you feel would be of interest to the VCSA membership, please contact either of our program chairmen.

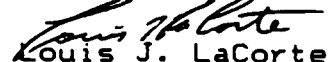
For North, Central, and
South America, Asia:

Burley Melton
Formosa Plastics Corp. USA
9 Peach Tree Hill Road
Livingston, NJ 07039 USA
Tel: (201) 716-7387
Fax: (201) 716-7283

For Europe, Africa, and
the Middle East:

David Hart
European Vinyls Corporation
Boulevard du Souverain 360
B-1160, Bruxelles, Belgium
Tel: (02) 674 09 23
Fax: (02) 674 78 35

For other information, please contact me at (302) 836-2213 or by fax at (302) 836-1909. See you in San Antonio!


Louis J. LaCorte
Secretary, VCSA

CTL015232

1993 VCSA MEETING AGENDA
San Antonio, Texas

THURSDAY, OCTOBER 7, 1993

<u>TIME</u>	<u>SUBJECT</u>	<u>SPEAKER</u>
08:00-08:10	Welcome & Introduction	Herm Waltemate, GEON
08:10-08:15	Program Activities	Burley Melton, Formosa
08:15-09:45	"True Confessions"	
	VCM Sphere Emission	David Hart, EVC
	Quench Column Pump Failure & Fire	Bill Higgins, OxyChem
	Caustic Burn	Steve Williams, GEON
	Back Hoe Accident - Near Miss	Bob DesJardins, GEON
	Sulfur in Fuel Gas Yields Corrosion	? , DOW
	Open for Additional Incident Discussion	
09:45-10:00	Confined Space Practices	Larry Fauchaux, OxyChem
10:00-10:15	Break	
10:15-10:30	PVC Superfund Remediation	Lou LaCorte, Formosa
10:30-11:00	Process Safety Mgt/Auditing/Legislation	David Middleton, Norsk Hydro
11:00-11:45	APME Meeting, Topics Review & Summary	(?)J. Stuip, AKZO
13:15-14:30	<u>Questionnaire Review & Discussion</u>	
	PVC Labeling	Herm Waltemate, GEON
	Cracker Section Safety Devices	David Hart, EVC
	Safety & Health - VCM/EDC/PVC Plants	? ,PEQUIVEW
	VCM Gas Holder Safety	? ,EKO
	Reserved For Additional Questions	
14:30-1500	European Regulatory, Update	David Hart, EVC
15:00-15:15	Break	
15:15-15:30	U.S.A. Regulatory (OSHA,EPA) Update	Need Speaker
15:30-15:45	By-Product Recycle (BPR)	Tom Snow, EVC, USA
	Process for Chlorinated Waste Streamers	
	<u>Open Forum</u>	
15:45-17:00	Cartridge Masks suitable for VCM Exposure	David Hart, EVC
	Incolloy Cracker Tube Problem	David Hart, EVC
	Freon (CFC) Replacements	Need Speaker
	Fire Retardant Clothing use, Pro & Con	Need Speaker
	Fugitive Emissions	(?) J.P.Bindelle, Solvay
	Personnel Monitoring	(?) J. Stuip, AKZO

FRIDAY, OCTOBER 8, 1993

<u>TIME</u>	<u>SUBJECT</u>	<u>SPEAKER</u>
08:00-08:30	Treasurer's Report, Election of Officers, 1994 Site Selection	VCSA Officers
08:30-09:00	Industry Response to Greenpeace Initiatives	Don Goodman, OxyChem
09:00-09:15	US & European Agency Enforcement Actions	U.S. Speaker Needed
		European Speaker Needed
09:15-09:30	VCM Storage pressurized vs Refrigerated	? ,DOW
09:30-09:45	ASL Update	
09:45-10:00	Break	
10:00-10:30	"SAFETY-Getting More With Less"	Bob DesJardins-GEON
10:30-10:45	Crisis Training Exercises	Speaker Needed
10:45-11:00	Reuse of Waste Water	? ,DOW
11:00-11:15	Future Program Topics	Burley Melton, Formosa
11:15-11:45	Vinyl Institute Presentation	? ,Vinyl Institute
11:45-12:00	Closing Remarks	Herm Waltemate, GEON

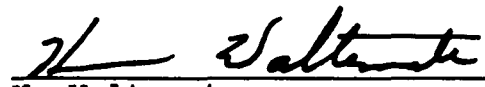
TO: VINYL CHLORIDE SAFETY ASSOCIATION MEMBERS

If you attended the 1992 Vinyl Chloride Safety Association meeting in Boston, you are probably aware that BFGoodrich was considering labeling Polyvinyl Chloride resin with the Cancer-Suspect label.

The GEON Company is continuing with this labeling process and plans to have it in effect in 1993.

I am conducting this survey to get a clearer understanding on specific labeling used by other U.S. and International companies. I will report the results of this survey at the October 7-8, 1993 Vinyl Chloride Safety Association meeting in San Antonio, Texas.

Please return the survey information as soon as possible, but not later than, September 15, 1993.


H. Waltemate

VINCLSUR.HW/JS

CTL015234

VINYL CHLORIDE SAFETY ASSOCIATION

SURVEY

1. Do you label various containers of Polyvinyl Chloride resin with the following statement?

POLYVINYL CHLORIDE
CONTAINS VINYL CHLORIDE
VINYL CHLORIDE IS A CANCER SUSPECT AGENT

YES: _____

NO: _____

2. Do you use a similar statement as above which includes Vinyl Chloride and the wording Cancer or Cancer Suspect Agent?

STATEMENT ABOVE: _____ YES, OTHER WORDING: _____

NONE: _____

3. How is this statement transmitted to your customer in various containers?

	PRINTED ON CONTAINER*	TAG ATTACHED*	INCLUDED WITH SHIPPING DOCUMENTS	MATERIAL SAFETY DATA SHEET	OTHER*
Bags or Boxes					
Bulk Bags (Supersacks)					
Bulk Truck					
Bulk Railroad Cars					
Other					

* Indicate specific location of the warning label.

4. Do you have any other health or safety warning statement on the container?

YES: _____

NO: _____

5. Do you use the same warning label on containers which are exported out of the country?

YES: _____ NO: _____

6. Is there any Polyvinyl Chloride resin which you do not label with the Cancer Suspect warning?

YES: _____ NONE: _____

If there are some Polyvinyl Chloride resins which you do not label, what is your company's established criteria?

7. Do you label in response to any of the following:

_____ OSHA 1910.1017 Vinyl Chloride
 _____ OSHA 1910.1200 Hazard Communication
 _____ EPA
 _____ DOT
 _____ WHMIS
 _____ COAST GUARD
 _____ OTHER

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8. Do you label Vinyl Compounds with the Cancer Suspect warning?

	<u>POWDER MIX</u>	<u>CUBES/ PELLETS</u>
DO NOT MANUFACTURE COMPOUNDS:	_____	_____
NO WARNING LABEL APPLIED:	_____	_____
CANCER SUSPECT LABEL:	_____	_____
HAZARD WARNING LABEL:	_____	_____

9. Would you send me a copy of your label?

YES: _____

NO: _____

COMPANY: _____

LOCATION: _____

COUNTRY: _____

PERSON COMPLETING
THIS SURVEY: _____

Please return the survey information as soon as possible, but not later than, September 15, 1993.

Please return to: *Herm Waltemate
Manager of Safety
THE GEON COMPANY
6100 Oak Tree Boulevard
Cleveland, OH 44131
U.S.A.*

VINCLSUR.HW/JS

CTL015237



The Dow Chemical Company

Freeport, Texas 77541

Mr. Louis J. LaCorte, Secretary VCSA
Formosa Plastics Corporation
P. O. Box 320
Delaware City, DE 19706

SURVEY QUESTIONS FOR VCSA MEETING IN OCTOBER

1. Volume of VCM stored pressurized/ambient _____
2. Number of VCM tanks pressurized/ambient _____
3. Volume of VCM stored refrigerated _____
4. Number of VCM tanks refrigerated _____
5. Has sulfur in fuel gas caused (yes or no) corrosion problems in VCM furnaces.
6. If yes to question 5.
 - a) Did corrosion cause catastrophic failure?
7. How often is quench piping thickness checked?

a) every month	d) every year
b) 3 months	e) greater than 1/year
c) 6 months	

Regards,

Tom Morris

Tom Morris
The Dow Chemical Company
Chlorinated Ethane Products Technology Center
2301 N. Brazosport Blvd., OC-1120 Bldg.
Freeport, TX 77541
(409) 238-4722

MAIL
TO:

QUESTIONNAIRE
on VCM GASHOLDER (GH) SAFETY

1. GH units currently in operation / Capacity.
2. Years of service.
3. Type of GH / Type of seal.
4. GH Designer / Manufacturer.
5. Engineering / Design Standard applied.
6. Operating pressure / temperature.
-
7. Serious leakage incidents experienced and related cause.
8. Measures taken to prevent further leaks. How effective to-date ?
9. Small leaks experienced and related cause.
10. Minor inherent leaks, if any. Environmental concern ? Ground level concentrations / Hygiene concern ?
11. Need for seal or other parts repair. Frequency ?
12. Any GH Corrosion from VCM - Water (if water seal) ?
13. Method of GH waste water treatment for removing VCM.
14. Legislation restricting GH operation.
-
15. Your over-all advice and recommendation regarding future installation of GH in EKO's PVC Plant (from safety / environment / hygiene view point).

CTL015239



PETROQUIMICA DE VENEZUELA, S.A.

QUESTIONNAIRE ON SAFETY AND HEALTH FOR VCM/EDC/PVC PLANTS

1. SAMPLING AND ANALYSIS OF VCM/EDC

Identify equipment (trade mark, model, principle of operation, instantaneous or continuous measurement, detection limit) used to sample/analyze VCM and/or EDC

1.1 At the workplace

For personnel VCM monitoring: _____

For personnel EDC monitoring: _____

For area VCM monitoring: _____

For area EDC monitoring: _____

1.2 Beyond the plant site (environmental air)

For VCM monitoring: _____

For EDC monitoring: _____

1.3 Liquid effluents

For VCM monitoring: _____

For EDC monitoring: _____

2. PERSONAL PROTECTION EQUIPMENT

2.1 Respiratory protection

Indicate range of VCM/EDC levels in air at which the various respiratory protection equipment are used.

- Half face or full face masks with organic vapor cartridges:

VCM (ppm) _____ EDC (ppm): _____

- Air supplied respirators:

VCM (ppm) _____ EDC (ppm): _____

- Self contained breathing apparatus:

VCM (ppm) _____ EDC (ppm): _____

2.2 Eyes and skin protection

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PETROQUIMICA DE VENEZUELA, S.A.

3. PERMISSIBLE EXPOSURE LEVELS

Indicate maximum MVC/EDC levels, federal/state regulations or internal company policy.

3.1 Work place :

VCM (ppm) _____ EDC (ppm): _____

3.2 Environmental air:

VCM (ppm) _____ EDC (ppm): _____

3.3 Effluents:

VCM (ppm) _____ EDC (ppm): _____

4. WORK METHODS/PROCEDURES USED TO REDUCE VCM/EDC EXPOSURE

4.1 Confined spaces, such as PVC reactors (steps followed for equipment preparation, acceptable MVC levels to allow entry, etc.)

4.2 Waste water treatment applied to reduce VCM/EDC levels

4.3 Emergency relief systems for PVC reactors

4.4 Emergency procedure followed after an important MVC/EDC release has taken place

5. RESPONSIBLE CARE PROGRAM. EXPERIENCES WITH THE COMMUNITY.

6. MAJOR LEAKS AND ACCIDENTS: CAUSES, CORRECTIVE/PREVENTIVE MEASURES.

It is hoped that the attached is easy to understand. If in doubt, then just write some comments and I will try and make use of them. I am assuming you may have information for more than one furnace or more than one plant, hence the questions on % of furnaces. It will be particularly interesting to receive the answers concerning what your own personal recommendations would be. It is understood that plant safety will be fundamentally determined by the process design and materials of construction, but the installation of the type of secondary protection devices indicated below, can also be important.

1. STEAM CURTAINS/BARRIERS -----

- 1.1. Do you have steam curtains/barriers installed around your furnaces to reduce the risk of flammable process leaks entering the fire-box ?
- 1.2. If so, then on what % of your furnaces ?
- 1.3. Whether installed or not, would you personally recommend their installation ?
- 1.4. Have you any other comments ?

2. FIRE WALLS -----

- 2.1. Do you make any use of fire/explosion concrete walls to protect people carrying out their normal duties from possible incidents ?
- 2.2. If so, where are they installed and do you believe them to be effective ?
- 2.3. Have you any other comments ?

3. "SNUFFING" STEAM -----

- 3.1. Do you have a steam supply installed in the fire box of your furnaces to "snuff out", "choke" or put out any fire which occurs from a leaking tube ?
- 3.2. If so, then to what % of furnaces ?
- 3.3. If installed, how is it operated e.g. remote or local operation, under supervision, etc ?

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3.4. Whether installed or not, would you personally recommend its installation ?

3.5. Have you any other comments ?

4. FLAME FAILURE

4.1. Have you installed any means of detecting burner flame failure - either directly via a flame failure device or indirectly via a fuel gas analyzer in the furnace chimney ?

4.2. If so, then to what % of furnaces ?

4.3. Whether installed or not, would you personally recommend the installation of such a device and if so, then of what type ?

4.4. Have you any other comments ?

5. REMOTE EMERGENCY ISOLATION

5.1. Have you installed remote operated isolation valves at the following points, which can be operated in an emergency :

- 5.1.1. feed inlet to the furnace ?
- 5.1.2. between the furnace and the quench ?
- 5.1.3. immediately downstream of the quench ?
- 5.1.4. at any other point (please define) ?

5.2. Have you installed remote operated vent valves so that in an emergency, after isolation the pressure in the system can be vented off ?

5.3. On what % of furnaces are such systems installed ?

5.4. Whether installed or not, would you personally recommend their installation ?

5.5. Have you any other comment (particularly recommendation on type of valve) ?

6. FLAMMABLE GAS DETECTORS

6.1. Have you flammable gas detectors installed in the cracking/quench system ?

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- 6.2. If so, then how many points and where (or what is your philosophy for their location).
- 6.3. If so, then in what % of plants ?
- 6.4. What type are they (e.g. infra red, catalytic) ?
- 6.5. Whether installed or not, would you personally recommend their installation ?
- 6.6. Have you any other comment ?

7. OTHER QUESTIONS

- 7.1. What design features are built into your control room to protect people from an explosion e.g. distance from plant, bunker design, protected windows or no windows, etc
- 7.2. Have you any means other than those indicated elsewhere in this questionnaire, for detecting plant incidents e.g. TV cameras.
- 7.3. Have you any other comments on this whole topic of cracking section safety devices ?

by Sept. 1st. 1993

Please try and return this questionnaire completed as far as possible to :

David J Hart
EVC International
Boulevard du Souverain 360
1160 Bruxelles
Belgium
tel : Int - 32 - (0)2/674.09.23
fax : Int - 32 - (0)2/674.78.18

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1993 VCSA CONFERENCE

SAN ANTONIO, TEXAS

OCT. 7 - 8

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ON THE RIVERWALK AT PASEO DEL ALAMO
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(210) 227-4925

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ON WAITING LIST FOR CANCELLATIONS FOR 10/9. (JANET)

Confirmation No.: 287254 - Cancellation Policy requires 48 hours notice

AIRLINE RESERVATIONS - (SUSAN)

10/6 - HOUSTON (HOBBY)

DEPART - 12:45 PM - FLIGHT 653 (SOUTHWEST)

ARRIVE - 1:30 PM - SAN ANTONIO

HERTZ RENT-A-CAR

10/10 - SAN ANTONIO

DEPART - 1:45 PM - FLIGHT 1875 (SOUTHWEST)

ARRIVE - 2:35 PM - HOUSTON (HOBBY)

AIR FARE - \$128.00

NON-REFUNDABLE AVAILABLE FOR - \$73.00, IF DEPART ON SUN. 10/10

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