

VINYL CHLORIDE SAFETY MEETING 1991

Data Base of Presentations to the VCSA over the last 12 yrs

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Over the last 12 Years, for many of these years as secretary of the association, I have accumulated detailed notes of the meetings, and while appreciating the need for confidentiality regarding the discussions, feel that the effort and Member Company time which has gone into presentations need not be wasted. To this end, a brief resume of each presentation has been incorporated in a simple database.

As an example of the retrieval of useful data presented, a search was made using the following report filter. This filter prints only records in which :-

pressure = "y" - are concerned with reactor pressure

control = "y" - concern control

incident = "n" - are not "true confessions"

survey = "n" - are not surveys of industry practice

With this, 9 items were reported as shown, covering risk analyses and measures to control pressure without venting to atmosphere. As a minimum, The names and Company addresses of the presenters should be a valuable resource.

A report of this type could easily be obtained by sending me a fax request with a return number. The people entitled to such a report and the detail to be included require discussion, perhaps by the Current Committee. Some payment would also be needed to maintain the service.

ITEM: 800200
EQUIP: N, INCIDENT: N, RISKANAL: Y, SURVEY: N, LABOUR: N, REGULATION: N, INST: N
AGITATN: Y, CAT: N, POWER: Y, PUBLIC: N, STORAGE: N, TRANSPORT: N, WASTES: N
EXPLOSION: N, FAILURE: N, FIRE: N, INJURY: N, PRESSURE: Y, REACTION: Y, RELEASE: Y
CONTROL: Y, MEASURE: N, PREVENT: Y, PENALTY: N, PROGRAM: N, TRAIN: N, REPORT: N
NAME: T. Moore, HANDOUT: N AREA: RV
ADRESS: Tenneco, Box 849, Pasadena TEX 17501
TITLE: VCM Emission Controls and redundancy
RESULTS: One or more backups for all ops.
DETAILS: Emergency termination special concern

ITEM: 801100
EQUIP: Y, INCIDENT: N, RISKANAL: Y, SURVEY: N, LABOUR: N, REGULATION: N, INST: N
AGITATN: N, CAT: N, POWER: N, PUBLIC: N, STORAGE: N, TRANSPORT: N, WASTES: N
EXPLOSION: N, FAILURE: N, FIRE: N, INJURY: N, PRESSURE: Y, REACTION: N, RELEASE: N
CONTROL: Y, MEASURE: N, PREVENT: N, PENALTY: N, PROGRAM: Y, TRAIN: N, REPORT: N
NAME: J. Ytreeide, HANDOUT: N AREA: RA
ADRESS: Norsk Hydro, 3901 Porsgrunn, Norway
TITLE: Risk analysis for PVC polymerization
RESULTS: Small rel probability, 1-2/yr large event unlikely
DETAILS: large overfill most probable

ITEM: 811400
EQUIP: Y, INCIDENT: N, RISKANAL: N, SURVEY: N, LABOUR: N, REGULATION: N, INST: N
AGITATN: N, CAT: N, POWER: Y, PUBLIC: N, STORAGE: N, TRANSPORT: N, WASTES: N
EXPLOSION: N, FAILURE: N, FIRE: N, INJURY: N, PRESSURE: Y, REACTION: N, RELEASE: Y
CONTROL: Y, MEASURE: N, PREVENT: Y, PENALTY: N, PROGRAM: N, TRAIN: N, REPORT: N
NAME: B. Terwiesch, HANDOUT: N AREA: RR
ADRESS: Huls PF 1320, 4370 Marl W Germany
TITLE: VCM Safety Condensation System
RESULTS: System operates on 200 cum reactors without power
DETAILS: large reactor shortstop difficult

ITEM: 821400
EQUIP: N, INCIDENT: N, RISKANAL: N, SURVEY: N, LABOUR: N, REGULATION: N, INST: N
AGITATN: N, CAT: N, POWER: N, PUBLIC: N, STORAGE: N, TRANSPORT: N, WASTES: N
EXPLOSION: N, FAILURE: N, FIRE: N, INJURY: N, PRESSURE: Y, REACTION: N, RELEASE: Y
CONTROL: Y, MEASURE: N, PREVENT: Y, PENALTY: N, PROGRAM: Y, TRAIN: N, REPORT: N
NAME: cecil Loechelt, HANDOUT: N AREA: RV
ADRESS: Ethyl Corp.
TITLE: Vent prevention system
RESULTS: Automatic vent of reactor to KO drum +GH before atmosphere
DETAILS: Environmental concern

ITEM: 831700
EQUIP: Y, INCIDENT: N, RISKANAL: N, SURVEY: N, LABOUR: N, REGULATION: N, INST: N
AGITATN: Y, CAT: N, POWER: N, PUBLIC: N, STORAGE: N, TRANSPORT: N, WASTES: N
EXPLOSION: N, FAILURE: N, FIRE: N, INJURY: N, PRESSURE: Y, REACTION: Y, RELEASE: N
CONTROL: Y, MEASURE: N, PREVENT: Y, PENALTY: N, PROGRAM: Y, TRAIN: N, REPORT: N
NAME: A. Peterson, HANDOUT: Y AREA: RP

ADRESS: Georgia Pacific Box 629 Plaquemine LA 70764
TITLE: Controlling Runaway Reaction
RESULTS: Check reactor ht trans.chill inject,2 sht stps,vac vessel
DETAILS: Action sequences for 5 emergency conditions

ITEM: 851100
EQUIP: Y,INCIDENT: N,RISKANAL: N,SURVEY: N,LABOUR: N,REGULATION: N,INST: N
AGITATN: N,CAT: N,POWER: N,PUBLIC: N,STORAGE: N,TRANSPORT: N,WASTES: N
EXPLOSION: N,FAILURE: N,FIRE: N,INJURY: N,PRESSURE: Y,REACTION: N,RELEASE: Y
CONTROL: Y,MEASURE: N,PREVENT: Y,PENALTY: N,PROGRAM: N,TRAIN: N,REPORT: N
NAME: Bill Hager ,HANDOUT: N AREA: RV
ADRESS: Formosa Box320 Schooolhouse Rd Delaware Cty DEL19705
TITLE: Containment for VCM from emergency + manual vent
RESULTS: +5*30,000g bullets+old strip tks for first vent
DETAILS: Plant shut down November by authorities \$100,000 case

ITEM: 851500
EQUIP: N,INCIDENT: N,RISKANAL: Y,SURVEY: N,LABOUR: N,REGULATION: N,INST: N
AGITATN: N,CAT: N,POWER: N,PUBLIC: N,STORAGE: N,TRANSPORT: N,WASTES: N
EXPLOSION: N,FAILURE: N,FIRE: N,INJURY: N,PRESSURE: Y,REACTION: N,RELEASE: N
CONTROL: Y,MEASURE: N,PREVENT: N,PENALTY: N,PROGRAM: N,TRAIN: N,REPORT: N
NAME: Harold G.Fischer ,HANDOUT: Y AREA: PV
ADRESS: Union Carbide,Box 8361 So Charleston WV 25303
TITLE: Safety relief design for pvc reactors
RESULTS: Diers Review
DETAILS: Bhopal concern

ITEM: 880800
EQUIP: N,INCIDENT: N,RISKANAL: N,SURVEY: N,LABOUR: N,REGULATION: N,INST: N
AGITATN: N,CAT: N,POWER: N,PUBLIC: N,STORAGE: N,TRANSPORT: N,WASTES: N
EXPLOSION: N,FAILURE: N,FIRE: N,INJURY: N,PRESSURE: Y,REACTION: Y,RELEASE: N
CONTROL: Y,MEASURE: N,PREVENT: Y,PENALTY: N,PROGRAM: N,TRAIN: N,REPORT: N
NAME: E.J.Meyer ,HANDOUT: Y AREA: RE
ADRESS: Vista,Box 19029,Houstoh TX 77224
TITLE: Reactor kill system
RESULTS: Kill AMS pots at reactors N2 pressue with checks
DETAILS: Operation auto or manual

ITEM: 890400
EQUIP: Y,INCIDENT: N,RISKANAL: Y,SURVEY: N,LABOUR: N,REGULATION: N,INST: N
AGITATN: N,CAT: N,POWER: N,PUBLIC: N,STORAGE: N,TRANSPORT: N,WASTES: N
EXPLOSION: N,FAILURE: N,FIRE: N,INJURY: N,PRESSURE: Y,REACTION: N,RELEASE: N
CONTROL: Y,MEASURE: N,PREVENT: N,PENALTY: N,PROGRAM: N,TRAIN: N,REPORT: N
NAME: W.J.Janedek ,HANDOUT: N AREA: RE
ADRESS: Dow Chemical Freeport TX
TITLE: Emergency relief design
RESULTS: Appl.of DIERS 2 phase flow SAFIRE program ,many manhrs.
DETAILS: may need VSP results, how calculate after team gone?

R&S148041

1991 VCSA Meeting Agenda
THURSDAY, SEPTEMBER 26

TIME	SUBJECT	SPEAKER
8:00 - 8:15 AM	Introduction	Jim Kachtick, Occidental Chemical
8:00 - 10:00	"True Confessions" (1) Explanation of FPC-Texas \$3.4 Million fine. (2) Explosions in VCM, EDC, and Polyperoxide Units (3) Rupture Disk/Relief Valve Openings (4) EDC Release from Quench System on VCM Plant (5) Membrane Technology to Recover VCM	Burley Melton, Formosa Plastics J-P. Bindelle, Solvay Jorge Zarate Montano, Primex Roger Farr, ICI UK R. Rose, Goodyear
10:00 - 10:15	BREAK	
10:15 - 10:40	Clean Air Impact on the VC/PVC Industry	Joe Ledvina, Vista
10:40 - 11:05	Voluntary Reductions of Toxic Air Emissions	Jim Kachtick, Occidental
11:05 - 11:30	Development of a Fugitive Emissions Reduction Project	Mike Pope, Dow
11:30 - 12:00	Update of TCLP/TOC Regulations, A Recap	Joe Ledvina, Vista
LUNCH	Innovative Approaches to Plastics Recycling	Dr. Bob Evans, National Renewable Energy Laboratories
13:15 - 13:40	VCSA Presentations Database	Jim Wallace
13:40 - 14:05	Design Process Changes, Process Safety, Hazop Reviews	Matt Miller, Dow
14:05 - 14:30	Process Safety Mgmt of Highly Hazardous Chemicals and Control of Hazardous Energy, Confined Space Permits	Herm Waltemate, BFG
14:30 - 15:00	Contractor Safety	M. Garcia, Dow
15:00 - 15:15	BREAK	
15:15 - 15:30	US Regulatory Update	
15:30 - 16:00	European Regulatory Update	Harry Steegenga, Akzo
16:00 - 16:15	State/Federal Enforcement - U.S.	Ken Law, Keysor
16:15	ADJOURN	
16:15 - 17:15	Vinyl Institute Update	Ms. Meredith Scheck, Vinyl Institute

FRIDAY, SEPTEMBER 27

TIME	SUBJECT	SPEAKER
8:00 - 8:30 AM	Treasurer's Report, Election of Officers, 1992 Site Selection, Revise Charter, etc.	Officers
8:30 - 10:00	Angiosarcoma Update	Dr. J. Drumwaite, Vista
10:00 - 10:15	BREAK	
10:15 - 10:45	IGSCC in Stainless Steel VC Vessels	Charles Arnold, Dow
10:45 - 11:30	Responsible Care, A Mutual Cooperative Effort	John Coburn, Occidental Chemical
11:30 - 11:45	Open Forum - Future Program Topics	Louis LaCorte, Formosa Plastics
11:45 - 12:00	Closing Remarks	
2:00	ADJOURN	

L. LaCorte, Formosa, Program Chair

*① Underground pipe line protection/inspection
containment security
② Vent Recovery techniques
③ - Water Treatment Options Technique*

R&S 148043