



Chemical Management Resources, Inc. PO Box 533, Glen Rock, NJ 07452/Tel (201) 447-9573

December 14, 1992

Mr. Ronald L. McCreedy
Dow Chemical Co.
2020 Willard H. Dow Center
Midland, Michigan 48674

Dear Ron:

You will recall that at the last Technical Committee Meeting on September 17, it was decided that you and I would work together to arrange and set up a seminar/meeting with vinyl fabricators of consumer products on environmental issues of interest to the industry. In anticipation of our next Technical Committee meeting on January 20, listed below are the general subject matters that I believe would be desirable and appropriate for such a seminar:

1. Overview of environmental issues affecting the industry.
2. Health and Safety Issues
 - a) Angiosarcoma/Unit Risk Factors
 - b) Fire/Combustion toxicity
3. Solid Waste Management Issues
 - a) Recycling including VI programs for sortation and reclaiming
 - b) Incineration including Dioxin generation
4. Life Cycle Analysis (LCAs) -- Review of current "state of the art" on PVC LCAs and proper use and application of LCAs.
5. Global Issues including the Greenpeace anti-chlorine activity, linkage with PVC and what industry is doing to counter this attack.
6. The role of the vinyl processor -- What can they do to assure the continued health and growth of the industry.

Let me have your thoughts on this and we can plan to discuss this at the next Technical Committee meeting. I will be leaving Florida on December 15 to spend the next few weeks in Rhode Island where our daughter is expecting her fourth child. If you have any project summary reports, please send them to me at the address below. I will put together a proposed agenda shortly thereafter and send it to you for your review and approval. If you have any new items you can also send them to me at the following address:

Dr. Roy T. Gottesman
c/o Dr. Cheryl S. Gottesman
293 Doyle Avenue
Providence, Rhode Island 02906

or call me at (401) 272-4683. Hope you and yours have a Merry Christmas and a Happy New Year.

Sincerely yours,

cc: Robert H. Burnett

SPI-11232

VI TECHNICAL COMMITTEE PROJECT PROPOSAL

Project Title: Seminar Program for Vinyl Fabricators
Nature of Program: ☐ Continuation of Existing Project ☒ New Project Should be incorporated into Issues Management Program
Objective of Program: To increase awareness of fabricators of vinyl products of environmental issues facing the PVC industry so they can become involved in grass-roots activities to refute anti-vinyl allegations by industry's critics.
Description of Planned Activity: 1- Focus groups to determine areas to emphasized in 3 or 4 regional seminars to be conducted. 2-Three to four regional seminars with possible topics as given in the attached letter to Ron Mc Creedy dated Dec. 14, 1993. 3- Provide attendees with appropriate take-home reference materials.
Deliverables: 1-Results of focus groups to help plan seminars. 2 - Three or four regional seminars to expand grass-roots activity by dissemination and distribution of information.
Relevance/Importance of Project to Vinyl Industry This program will help educate fabricators so they can become spokesmen in defense of the industry.
Timing: Project Starting Date: <u>After June 1, 1993</u> Anticipated Completion Date: <u>3-4 months after focus groups</u>
Project Cost: Finances needed in FY '93-'94 <u>\$ 25,000</u> Other Resources Needed <u>VI Company personnel as speakers</u> Will funding be needed in future years ? (Y/N) <u>Yes, for follow up</u> If yes, how much? <u>Ca. \$ 5000 per year</u>
Priority: ☐ Urgent - Highest priority ☒ Important - Include in program if finances permit. ☐ Can be delayed until next fiscal year.
Project Proposed by: <u>Rory J. Battlesman</u> Date: <u>Mar. 25, 1993</u>
Technical Committee Action: ☐ Approved and Included in Technical Committee Program/Budget ☐ Postpone until next fiscal year ☐ Not approved. Date of Technical Committee Action: _____

VI TECHNICAL COMMITTEE PROJECT PROPOSAL

Project Title: <i>Advanced Membrane Technology for Recovery of HCL from Incineration Processes</i>	
Nature of Program: ☐ Continuation of Existing Project ☒ New Project	
Objective of Program: <i>To evaluate the potential for advanced membrane technologies to directly recover HCL from incineration and pyrolysis flue gas streams</i>	
Description of Planned Activity: <i>Determine status of "perstraction" process (Netherlands) and perform laboratory feasibility studies to evaluate new membrane technologies for HCL removal</i>	
Deliverables: <i>Assessment of 1) potential for membrane technologies to remove HCL and 2) HCL to "poison" some NOx membrane removal processes under development</i>	
Relevance/Importance of Project to Vinyl Industry: <i>The presence of HCL in the flue gas and its removal will continue to be a matter of public and regulatory concern</i>	
Timing: Project Starting Date: <u>7/93</u> Anticipated Completion Date: <u>6/94</u>	
Project Cost: Finances needed in FY '93-'94 \$ <u>10,000 - seed project</u> Other Resources Needed _____ Will funding be needed in future years? (Y/N) <u>Y</u> - if technology seems promising If yes, how much? <u>UNKNOWN</u>	
Priority: ☐ Urgent - Highest priority ☒ Important - Include in program if finances permit. ☐ Can be delayed until next fiscal year.	
Project Proposed by: <u>DICK MAGUE</u> Date: <u>3/93</u>	
Technical Committee Action: ☐ Approved and Included in Technical Committee Program/Budget ☐ Postpone until next fiscal year ☐ Not approved. Date of Technical Committee Action: _____	

VI TECHNICAL COMMITTEE PROJECT PROPOSAL

Project Title: <i>Swedish/NORWEGIAN PVC Incineration Project</i>
Nature of Program: ☒ Continuation of Existing Project ☐ New Project
Objective of Program: <i>To carry out research demonstrating that incineration of PVC in municipal solid waste streams does not increase dioxin and furan emissions.</i>
Description of Planned Activity: <i>Through our consultant, Dr Richard S Magee of NTIT, we are involved in a steering committee which is planning and guiding these two research programs.</i>
Deliverables: <i>Norwegian Study - PVC contribution to precursors Swedish Study - The contribution of PVC to dioxin/furan emissions</i>
Relevance/Importance of Project to Vinyl Industry: <i>To support Pittsfield (NYSEDA) study. To address European perception that PVC is a strong contributor to PCDD/PCDF emissions.</i>
Timing: Project Starting Date: <u>10/90</u> Anticipated Completion Date: <u>12/93</u>
Project Cost: Finances needed in FY '93-'94 \$ <u>NONE</u> Other Resources Needed <u>10,000 contingency if positive progress made</u> Will funding be needed in future years? (Y/N) <u>N</u> If yes, how much? _____
Priority: ☐ Urgent - Highest priority ☒ Important - Include in program if finances permit. ☐ Can be delayed until next fiscal year.
Project Proposed by: <u>ECVM</u> Date: <u>6/90</u>
Technical Committee Action: ☐ Approved and Included in Technical Committee Program/Budget ☐ Postpone until next fiscal year ☐ Not approved. Date of Technical Committee Action: _____

PRODUCT SAFETY MANAGEMENT, INC.

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ROBERT S. STRENGTH CSP, PE
PRESIDENT

JANIS G. STRENGTH
VICE-PRESIDENT, SECRETARY

March 15, 1993

Robert H. Burnett
Vinyl Institute
Wayne Interchange Plaza II
155 Route 46 West
Wayne, N.J. 07470

Dear Bob,

At Bud's request I am writing to provide information on IEC-89 and the meeting in Milan the last week of May 1993.

IEC-89 is a technical committee of the International Electrotechnical Commission responsible for writing Fire Hazard Assessment Standards for electrical products.

While it serves a world wide constituency primary emphasis now and over the past few years has been to complete standards acceptable for the European Economic Community EC-92.

The Milan meeting is a working session for the eight Working Groups (WG) to fine tune several standards for final action at the bi-annual meeting of IEC-89 in Sidney, Australia in November 1993.

The areas of primary interest to PVC and of which I am an official U.S. Technical Expert (Representative) are WG 2, General Guidance, Fire Hazard and Risk Assessment, WG 3, Fire Hazard Testing for Smoke Opacity and Corrosivity, and Working Group 7, Toxicity.

John Blair of DuPont is the Conveener of WG-2, and I am the U.S. Technical Expert. We are attempting to get a Guidance Standard updated and consistent with the ASTM E5.35 draft guide document. I am Chairman of E5.35. With these documents standards writing organizations can then write product hazard assessments. These Hazard Assessment standards would verify the safe acceptable use of PVC in current applications.

WG-3 is chaired by a French delegate. There are 3 U.S. Technical Experts; Loren Caudill of DuPont, Art Fine of AT & T, and me. With smoke opacity we are currently finalizing a document with no major issues. With corrosivity we are bucking the French and German influence with their bias for the CNET (French) and DIN (German) Corrosivity test methods. I am pushing to assure the ASTM D9.21 "Cone Corrosimeter" test method is included. The CNET and DIN method are already accepted. While Loren Caudill is the primary pusher for the ASTM D9.21 method, he seems to also favor the CNET and DIN. Back in the U.S. the polyolefin people are

SPI-11236

pushing the ASTM E5.21.70 (NIBS apparatus) method and want it included in the IEC-89 Standard. I have a negative vote outstanding, as does Marcelo in the latest E5.21.70 ballot. It is not likely to survive the cut in IEC-89 without U.S. standardization.

WG-7 is preparing a Guidance Document on testing for the toxic potency of combustion products. The standard has run into some hurdles which would tend to make it more onerous for U.S. Plastics. Jim Hoover of DuPont and I represent the U.S. on WG-7. Dr. Elizebeth Ness, of the UK is the Conveener.

In Milan I will attend meetings of WG-3 AM/PM Monday May 24 and AM May 25, WG-2 PM May 25 and AM/PM May 26, WG-7 AM/PM May 26 and May 27.

Costs estimates:

Fees 5 days at \$500.00	\$2,500
Airline ticket (coach)	2,550
Hotel six nights at \$200	1,200
Meals, Ground transportation etc.	500
Total	\$6,750

I am proceeding on the basis that I will be sponsored by the Vinyl Institute. Should you have any questions please call me at

(904)-932-0151 or Fax (904) 932-1858.

Sincerely,



Robert S. Strength
President

CC: H.J. Hall