

Let's protect our earth



NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

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NEWS

David J. Bardin, Commissioner

Wes Denman, Public Information Officer

(STATEWIDE)

No. 322

Contact: Cliff Ross

Immediate release:

May 30, 1975

DEP to host informational session:

**VINYL CHLORIDE'S IMPACT
ON AIR POLLUTION STUDIED**

TRENTON--An all-day informational meeting on the manufacture, storage, handling and usage of the chemical compound, vinyl chloride, and its importance in air pollution matters will be held here June 3 by the Department of Environmental Protection.

Richard D. Goodenough, director of DEP's Division of Environmental Quality, will open the symposium starting at 9:30 a.m. It will be held in the auditorium of the Health and Agriculture Building, John Fitch Plaza, Trenton. He will introduce expert technicians from leading national companies which have major interests in this material.

Vinyl chloride is one of the chief compounds used in the manufacture of plastics. It has many industrial applications as well as being used as a propellant in aerosol cans. Martin Sanvito of DEP's Bureau of Air Pollution Control, who has arranged this meeting, said that careful handling and processing of various types of vinyl chlorides is extremely important for public health and worker safety reasons.

Goodenough pointed out that the U.S. Environmental Protection Agency (EPA) is currently engaged in a special study of the compound which it expects to complete in June. He added that the June 3 session is a step in bringing together the concerns and technical information from labor, business,

(more)

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SYMPOSIUM ON VINYL CHLORIDE

PLACE: Auditorium, Health & Agriculture Building
John Fitch Plaza
Trenton, New Jersey

DATE: June 3, 1975

TIME: 9:30 A. M.

Sponsor: New Jersey Department of Environmental Protection,
Division of Environmental Quality, Bureau of Air
Pollution Control

Host: Richard D. Goodenough, Director, Div. of Environmental
Quality

AGENDA:

- 09:30 - 09:45 Opening Remarks
Richard D. Goodenough
- 09:45 - 10:50 Ambient Air Quality Technology Indoors & Outdoors
Medical Effects of Vinyl Chloride and Personnel
Monitoring
B. F. Goodrich Chemical Company (represented by
Mr. K. J. Kaminski, Director of Environmental Engineering)
- 10:50 - 11:00 Break
- 11:00 - 11:30 Latest Technology in Vinyl Chloride Handling
Mantua Chemical Terminal (represented by
Mr. George Barton, Terminal Manager)
- 11:30 - 12:00 Technology in Polyvinyl Chloride Bulk Polymerization
Systems
Hooker Chemical, Ruco Division (represented by
Mr. R. J. Abramovitz, Technical Director)
- 12:00 - 12:30 Modern Technology in Polyvinyl Chloride Fabrication
Pantasote Company (represented by Mr. J. B. Hardwick,
Manufacturing Engineer)
- 12:30 - 13:30 Lunch

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- 13:30 - 14:30 Modern Technology in Polyvinyl Chloride Dispersion and Suspension Systems-Methodology for Sampling and Analysis - Research and Experimental Control System for Vinyl Chloride Reduction
Tenneco Chemicals (represented by Mr. W. P. Anderson, Director of Environmental Science)
- 14:30 - 15:00 Latest Technology in the Analytical Procedure for Vinyl Chloride
Environmental Protection Agency (represented by Region II)
- 15:00 - 15:45 Open Discussion

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Date 5 MAY 1975

To J. D. KRAMER Subject VCL ABATEMENT REPORT

From G. B. H. SPEED

() Take Action () For Your Approval () For Your Info () Discuss With Me
 () For Your Comments () As Requested () File () Note & Return

The following is the status of the VCL Abatement projects:

1. REGULATED AREA

The fencing of the regulated area is complete except for three personnel gates. Shipment of these gates has slipped and are rescheduled for installation in June.

2. PERSONNEL MONITORING

Personnel in the Resin Plant were monitored on April 9, 14, and 22, 1975. Of the 39 operators monitored, nine had exposures exceeding 1 PPM as follows:

Castleberry	3.1 PPM
Timmons (Utility)	2.6 PPM
Henson (Utility)	4.5 PPM
Copeland	1.8 PPM
Draffen (Utility)	7.1 PPM
MacDonald	3.1 PPM
Coleman (Utility)	1.4 PPM
Hurst (Utility)	1.3 PPM
Overbey	2.2 PPM

All utility operators in the above list spent some time in reactors and were wearing fresh air masks.

The Compound Plant operators were monitored on 27 March 1975 and all results were less than 0.1 PPM. These operators are on a quarterly monitoring schedule.

3. SOLVENT CLEANING

A CE has been submitted for solvent storage, piping, etc. for Calvert City.

4. STRIPPER PROJECT

A CE has been submitted for the addition of three post strippers and automation.

5. FRESH AIR HAVEN

The control panel has been enclosed to use as a fresh air haven. This project is complete and will not be included in future reports.

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J. D. KRAMER
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SUBJECT: VCL ABATEMENT REPORT

6. MATERIAL BALANCE

The CE to measure and calculate a plant material balance has been approved and equipment is on order.

7. VCM IN RESIN

The VCM testing of product collector samples was discontinued when we believed that we could consistently meet specifications. However, we check a few spot samples and found we were getting out of spec and therefore started testing product collector samples again on a one-a-day basis.

The average VCM in shipments since the last report are as follows:

RESIN	NO.	AVG. VCL PPM	PERCENT ABOVE	
			50 PPM	25 PPM
7120	6	29	17	17
7121	2	39	0	100
6180	2	25	50	50
1225	16	24	19	38
1230P	28	27	7	54
405	11	35	18	45
420	1	5	0	0

P.S.
11/10/75
1.6100 100/100
24/10

8. VCM IN COMPOUND

Samples of blend resin and compound have been sampled but the results have not been calculated.

G. B. H. Speed
G. B. H. SPEED

GBHS/pk

cc: A. R. Adams/Valley Forge
J. T. Barr/Valley Forge
T. L. Carey/Valley Forge
R. E. Jones/Pensacola
A. K. McMillan/Valley Forge

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