

copy to J. Huff

MEMO.

BA 148-7

To Mr. R. N. Wheeler - SC

From W. D. Neal



Date 5-29-75

Subject VC - BOUND BROW

Attached is the result of the Bendix survey.
They used Sipin pumps and SKC tubes.
After each day of sampling, Devlin broke his tubes
between charcoal sections and sealed each section.

Suspension (QSAN) PVC used on calendar
lines, dispersion PVC in foam line.

5/10 min
Fluore. <10ppm
Mammot

500ppm
1600ppm

Received

JUN 02 1975

R. N. WHEELER, JR.

Line 1 QSAN
75/25

Line 2 QSAN
2000*/hr

Foam line 3
1000*/hr QSAN

UCC
037704



**Launch Support
Division**

RECEIVED

JUN 02 1975

R. N. WHEELER, JR.

Special Projects
1355 N. Atlantic Ave.
Cocoa Beach, Fla. 32931
Tel. (305) 783-5610

The Bendix Corporation

Mr. W. D. Neal, Manager-Safety and
Environmental Protection
Union Carbide Corporation
Chemicals and Plastics
River Road
Bound Brook, New Jersey 08805

6 May 1975

Serial: SP 75-179

Dear Mr. Neal:

We wish to thank you for the opportunity to visit your plant and conduct the preliminary and in-depth NIOSH vinyl chloride surveys. I also wish to thank you for the cooperation and courtesy extended to me by all of your personnel during the in-depth survey.

The charcoal tube analysis data obtained from your company will provide NIOSH with important baseline data for their present and future research programs and the upgrading of present vinyl chloride standards.

A copy of the charcoal tube analysis data obtained from the in-depth survey performed at your company is attached for your records.

The survey made using the carbon tube sampling method followed the procedures set forth in the NIOSH Vinyl Chloride Supplement to P&CAM #127 dated 31 May 1974, with the exceptions that Poropak type QS at 100° C and 0.4 percent Carbowax 1500 on Carbopak A at 50° C were used as the chromatograph column materials. The change in column materials was made in agreement with the NIOSH laboratory personnel in Cincinnati, Ohio.

Any comments you may wish to make pertaining to the data will be appreciated and will be included in the survey report we will make to NIOSH.

If I can be of further service in any way, please contact me.

Yours very truly,

James B. Devlin
Special Projects

JBD:mj
Ph: 305 783-5610

Attachment: As stated

UCC
037705

Name Job Classification	Date & Shift	Sample Number	Time Min.	Volume Liters	Vinyl Chloride P.P.M.	TWA P.P.M. Hrs.	NEALS DATA *
Joe Donlan Blender Operator	3/11/75 1	516 518	192 180	10.726 10.154	N.D. N.D.	N.D. 6.20	ND
Ed Scaler Blender Operator	3/11/75 1	517 519	182 180	9.488 9.495	N.D. N.D.	N.D. 6.03	ND
Charles Zuza Calender Chief	3/12/75 1	520 522	180 182	10.317 10.287	.001 .001	.001 6.03	ND
Ed Scaler Blender Operator	3/12/75 1	521 523	180 180	9.743 9.506	.129 .007	.068 6.0	ND
Joe Malloy Oil Man	3/12/75 2	524 527	183 181	9.032 8.635	.003 .005	.004 6.07	ND
Jerry Herring Mixer Operator	3/12/75 2	525 528	187 181	9.090 8.506	.004 .005	.004 6.13	ND
Bill Brown Foam Line Chief	3/12/75 2	526 529	180 180	8.705 9.054	.001 .004	.003 6.0	ND
Henry Hawkins Mechanic	3/13/75 1	530 534	184 176	8.888 8.729	.003 N.D.	.003 6.0	ND
Joe Donlan Blender Operator	3/13/75 1	531 535	180 181	10.714 10.378	.004 .005	.005 6.02	ND
Charles Zuza Calender Chief	3/13/75 1	532 536	180 181	9.576 9.634	.002 N.D.	.002 6.02	ND
Area Sample L-1000 Blender	3/14/75 1	533 538	180 180	10.632 11.456	.008 .004	.006 6.0	ND
Area Sample L-3000 Blender	3/14/75 1	537 539	180 180	8.771 10.085	.006 .006	.006 6.0	ND
* ND is <.04 ppm							

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DESCRIPTION OF JOBS

Blender Operator

Makes about six (6) blends per eight-hour shift, containing 2,000 to 3,000 of suspension - type PVC. Resin, plasticizer, and stabilizers are added automatically from closed systems. Operator opens hatch to manually dump fillers and colorants into blender.

Calender Chief

Operates calender, and tours processing equipment.

Oil Man

Weights up batches of plasticizer into mix tanks for foam line.

Mixer Operator

Manually dumps bags of PVC resin (dispersion grade) into mixing tanks of plasticizer for foam line.

Foam Line Chief

Tours foam line.

Mechanic

Tours machinery, checks lubrication, etc.

WDN:mts
5-29-75

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