

I. VINYL CHLORIDE (OSHA PEL = 1 PPM, 8-HR TWA)

During 1994 there were 82 monitorings completed for vinyl chloride exposure (38 poly/44 dryer). Of the total monitorings, four (4) exceeded 1 ppm and 55 (67%) were below 0.5 ppm. No Exposures of greater than 1 ppm without a respirator occurred in 1994. These exposures are summarized below.

VINYL CHLORIDE EXPOSURE BY JOB CLASSIFICATION

<u>JOB CLASS</u>	<u>NO. OF MONITORINGS</u>	<u>NO. ABOVE 1 PPM</u>	<u>AVERAGE EXPOSURE (PPM)</u>	<u>MAXIMUM EXPOSURE (PPM)</u>
Recovery Operator	7	0	0.45	0.78
Resin Reclaim oper.	8	1	0.64	1.20
Dryer operator	16	1	0.47	1.10
Paste/Losope Charge	16	2	0.44	1.30
PVC Bagger	16	0	0.36	0.72
Poly/Dryer Leaderman	4	0	0.29	0.56
Poly/ Dryer Foreman	4	0	0.20	0.46
Catalyst Make-up Man	1	0	0.15	0.15
Safety & Environ. Oper.	1	0	0.07	0.07
Tank Farm Operator	1	0	0.10	0.10
HRC Poly Cleaner/Helper	8	0	0.42	0.86

III. Nuisance Dust (OSHA PEL total dust = 15mg/m³, 8-HR TWA)
(OSHA PEL Respirable dust = 5mg/m³, 8-HR TWA)

During 1994 Operators in the Compound building & dryer building were monitored for total dust (unspecified and PVC) and respirable dust (PVC and unspecified). No exposures occurred in 1994. The summary is as follows:

TYPE	JOB CLASS	No of MONITORINGS	AVERAGE	MAXIMUM
			EXPOSURE mg/m ³	EXPOSURE mg/m ³
Total -PVC	Dryer Operator	3	3.48	7.48
	PVC Bagger	4	1.80	4.36
	Leaderman	1	1.02	1.02
Total - Unspecified	Compound Mill	1	0.65	0.65
	Operator			
	Compound Henschel	1	0.51	0.51
	Packager			
	Compound Packager	1	0.29	0.29
Respirable PVC	Dryer Operator	1	0.09	0.09
	PVC Bagger	2	0.68	0.96
Respirable Unspecified	Compound Henschel Operator	1	0.00	0.00

IV. HEAVY METALS

Compound Henschel operators, and compound relief operators were monitored for heavy metal exposure during 1994.

There were no exposures exceeding the permissible exposure limits. The PEL'S are shown in parenthesis next to the metal name. The number of samples taken is shown in parenthesis next to the average exposure.

<u>Heavy Metal</u>	<u>Henschel Oper.</u>	<u>Relief Oper.</u>
Antimony (500ug/m ³)	0.04ug/m ³ (4)	0.04ug/m ³ (4)
Nickel (1mg/m ³)	0.00mg/m ³ (4)	0.00mg/m ³ (4)
Zinc (10ug/m ³)	0.13ug/m ³ (2)	0.15ug/m ³ (2)

V. MEDICAL SURVEILLANCE SUMMARY

Total number of Examinations in 1994 = 102
Number of examinations which showed;

a. Hearing loss - 0

Please call me at 9408 if you have any questions on this information.



Scott D. Johnson

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D.L. Piccinelli
J. Gressler - Cleveland
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S&E Operator (1)
PVC Foreman (4)
File

SJ/Hygiene/sm