

RESULTS OF AIR SAMPLES

H.K. Porter
Huntington, Indiana

Report Prepared By:
Clinton V. Oster, Jr.

December, 1969



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1014 Broadway
Cincinnati, Ohio 45202

December 11, 1969

Mr. Thomas Bell
Works Manager
F. E. Porter Company
Huntington, Indiana 46750

Dear Mr. Bell:

The analysis of the air samples collected in your plant on September 30 and October 1, 1969 has been completed. The results of this survey are attached. The impinger samples were counted by the standard light-field count technique. The membrane filters were counted at 430X phase contrast magnification. These methods are recommended by the American Conference of Governmental Industrial Hygienists (ACGIH).

The ACGIH has included asbestos on the 1969 list of intended changes in recommended Threshold Limit Values (TLV). These values are 12 fibers >5µ per cc or 2 million particles per cubic foot. Most of the dust concentrations measured were below the proposed TLV although these values were exceeded in a few locations. Samples 005 and 005 in the cutting and drilling operations met or exceeded the proposed TLV. Sample 072 in the forming operation also exceeded the proposed TLV. The personal samples taken in the wiring room were too dusty to count accurately. It is reasonable to suspect that the dust concentrations here exceed the proposed TLV.

We would like to thank you for the cooperation we received in your plant. The data gathered there will be of considerable value in our study.

Sincerely yours,

Clinton V. Coter Jr.
Assistant Sanitary Engineer
Field Studies Branch
Bureau of Occupational Safety
and Health

Attachment

cc: Ind. State Dept. of Health & Regional Representative

Results of Air Samples of September 1969
H. K. Porter, Huntington, Indiana

Operation	Type of Sample	Nature	Sample #	Count	Fibers /cc per cc
Mixing, Coating Extruding	Impinger	General	040	.42	
	Impinger	Breathing zone	005	.52	
	Filter	General	013		1.3
	Filter	General	016		4.1
	Filter	General	038		3.3
	Filter	Personal	069		*
	Filter	Personal	071		*
Forming	Filter	Personal	056		0.8
	Filter	Personal	057		1.3
	Filter	Personal	072		16.1
Not Forming	Filter	Personal	012		3.6
	Filter	Personal	032		1.1
	Filter	Personal	033		1.8
Grinding and Sanding	Impinger	General	049	.30	
	Impinger	Breathing zone	020	.34	
	Impinger	Breathing zone	007	1.20	
	Filter	General	045		0.5
	Filter	General	046		0.2
	Filter	General	048		0.4
	Filter	Personal	003		5.7
	Filter	Personal	010		7.0
	Filter	Personal	011		3.1
	Filter	Personal	062		9.1
Cutting and Drilling	Impinger	Breathing zone	006	2.00	
	Impinger	Breathing zone	021	.61	
	Filter	Personal	065		14.4
Inspection and Packing	Impinger	Breathing zone	000	.76	
	Impinger	Breathing zone	071	.36	
	Filter	Personal	008		5.3
	Filter	Personal	064		3.4
	Filter	Personal	067		2.2
Miscellaneous	Impinger	General	017	.11	
	Filter	Personal	005		1.5
	Filter	Personal	032		0.6
	Filter	Personal	070		0.3

* Filter was too dusty for accurate counting