

William R. Bradley and Associates

ENVIRONMENTAL HEALTH CONSULTANTS

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June 16, 1967

Dr. M. Lief
Smith and Kanzler Co.
1414 East Linden Avenue
Linden, New Jersey

Re: ENVIRONMENTAL HEALTH INVESTIGATION

An environmental health study was made June 10, 1967 while an operator sprayed products of your designation horizontally on a wall at a distance of three feet and vertically against the panel at a distance of three feet. Atmospheric samples were collected using the small impinger. These were analyzed microscopically.

Samples were collected at the nose level of the operator and at a distance of six feet from the operator. The three materials used were applied with a water rate of between 10 and 11 pounds per minute and the feed rate of 11.5-11.7 pounds per minute. The results of dust samples are as follows.



Analysis of Dust Samples

<u>Sample Number</u>	<u>Location</u>	<u>Millions of Particles per Cubic Foot of Air</u>
1.	Material "C"- sample collected at operator's nose level.	6.9
2.	Material "C"- sample collected 6 feet from operator.	6.2
3.	Material "B"- sample collected 6 feet from operator.	7.1
4.	Material "A"- sample collected 6 feet from operator.	18.5
5.	Material "A"- sample collected at operator's nose level.	23.0
6.	Blank- sample collected at distance of 100 feet. No spraying being conducted.	1.2

Material "A" is extremely dusty in application by the spraying technique used. Spray operators so employed should wear respiratory protective equipment at all times. All samples collected exceeded the threshold limit dust count of 5 million particles per cubic foot of air.

WRB/g1

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