

TO MR. G. D. LLOYD

Firestone
INTEROFFICE



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FROM SAFETY & TRAINING-PLASTICS COMPANY

41.236

DATE April 4, 1980

REFERENCE

SUBJECT HYGIENE SURVEY - SALISBURY CALENDERING PLANT - Vinyl Chloride

On April 2, 1980, a study was conducted at the new calender to determine employee exposure to vinyl chloride.

Procedure:

Samples were collected by means of an air transfer pump manufactured by Calibrated Instruments, Inc. Ardsley, N. Y. and the multi-layered sample collection bags. Each sample represents a sample time period of 15 minutes. The bag samples were then analyzed by means of the R&D gas chromatograph. N.D. represents non-detectable results for vinyl chloride.

Monitoring Results of the Bag Samples are as Follows:

<u>Bag No.</u>	<u>Location - Activity</u>	<u>PPM Level VCM</u>
7	Sample taken while walking directly in front of the windup.	0.02
21	Sample taken at banbury mill at approximate area of mill operators breathing zone.	N.D.
1	Sample taken at calender feed mill at approximate area of mill operators breathing zone.	N.D.
12	Sample taken of enclosed platform area above calender rolls - mill side of calender rolls.	N.D.
29	Sample taken at platform area of calender rolls - windup area side of calender rolls.	N.D.
6	Sample taken in front of strainer where stock emerges.	N.D.
11	Directly over the strainer hopper opening	N.D.
9	First floor mezzanine area above banbury mill	0.03
28	Sample taken on second floor near weigh scale. Operator had door open part of time to add workaway to banbury.	N.D.
26	Area sample taken while walking around the second floor.	N.D.

8	Sample taken on second floor mezzanine platform.	N.D.
17	Sample taken inside "B" blender was empty and open for cleaning.	N.D.
18	Sample taken inside "A" blender. The blender was full and mixing at the time of sampling.	1.81
13	General area sample while walking around blender room.	N.D.
4	Sample taken directly under calender pick off roll.	N.D.

A sample of the 9300 type resin being used was also analyzed by R&D. The result was 0.03 PPM RVCM.

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