

Copy From

JOHNSON & HIGGINS
18TH FLOOR, THE NORTH AND MAIN BUILDING
707 EAST MAIN STREET
P. O. BOX 1137, RICHMOND, VIRGINIA 23208
TEL. 804/788-8801

December 5, 1980

INDUSTRIAL HYGIENE
RECEIVED

DEC 10 1980

DEC 10 1980

Mr. Lee McManus
Account Executive
Engineering Division
The Travelers Insurance Companies
One Tower Square
Hartford, CT 06115

**PLAINTIFF'S
EXHIBIT**

RMC-355

Re: Reynolds Metals Company
Reynolds Aluminum Building Products Co. (TILCO)
Stratford, Connecticut

Dear Lee:

I have discussed the concerns listed in your November 8, 1980 letter with Mac Cole, Reynolds' Manager of Industrial Hygiene and Larry Tropea, Director of Environmental Control.

Very truly yours,

I will discuss the concerns separately:

1. Fiberglass - One of Reynolds' Industrial Hygienist made a comprehensive survey on March 5-7, 1980 for airborne fiber concentration and total airborne dust concentration at the asphalt roofing line. Personal samples were collected for thirteen employees. Analyses was done gravimetrically at Reynolds Reduction Research Laboratory in Listerhill. OSHA has not established a standard for airborne fiberglass, however, NIOSH has recommended that concentration should be below 3 fibers per cubic centimeter of air (3 f/cc), and the concentration of total airborne fiberglass dust should be below 5 milligrams of dust per cubic meter of air (5 mg/m3).

All airborne fiber samples showed concentration well below the recommended limit. The sampling results indicated no health hazard associated with fiberglass. This conclusion is reinforced by the fact that fibers used are of a large diameter and as such are considered non-respirable.

The Reynolds Industrial Hygienist made several recommendations to minimize the discomfort associated with the handling of fiberglass. Protective measures included proper clothing, showers, changing clothes, appropriate gloves, good housekeeping, etc. These points were covered with employees at the time of the survey. These controls require on-going training and supervision.

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Mr. Lee McManus
December 5, 1980
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JOHNSON & HIGGINS
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TEL. 804/788-8801

2. High Noise Level - The blower system used for limestone transfer was installed after the Industrial Hygienist's last visit. Mac Cole will follow up on this. We doubt sound levels of 140 dBA (104 is more likely).
3. Asphalt - A comprehensive asphalt fume survey was made during three days in September 1978. All personal sample results were concentrations well below the NIOSH recommended ceiling value for asphalt fumes of 5 mg/m³. Benzo(a) Pyrene was not detected.
4. Asbestos - The last survey for airborne asbestos was in 1976. As you know, the use of asbestos was discontinued several years ago. Mac will follow up to see if there is a potential exposure from fibers remaining on overhead beams in the warehouse. At the time of the last survey a recommendation was made to clean overhead areas. Surveys for silica and other airborne dust since 1976 did not reveal any asbestos.
5. Landfill Area - Asbestos and Asphalt Spills - Mac also plans to look into this. I also discussed this concern with Larry Tropea. Presently, Larry's department is involved with an extremely high priority project. When this is resolved, his department will check the TILO situation.

I reviewed each of the Industrial Hygienist's reports in Mac's office and was impressed by the detailed attention these potential exposures have received.

Should you have additional questions, please let me know.

Very truly yours,

Bob

Robert F. Satterfield
Senior Loss Control Consultant

/bf

cc: Mr. H. M. Cole
Mr. W. H. Murphy

the survey these controls require ongoing training and supervision.

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