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STATE OF OHIO
THE INDUSTRIAL COMMISSION OF OHIO
DIVISION OF SAFETY AND HYGIENE
2325 WEST FIFTH AVENUE
P.O. BOX 1745
COLUMBUS, OHIO 43216

PLAINTIFF'S
EXHIBIT
BRK-261

PHONE (614) 466-3385

Industrial Commission
GREGORY J. STEBBINS
Chairman
MARQUERITE M. NEAL
Vice Chairman
JOHN E. SENN
Member

JAMES A. RHODES
Governor

Division of Safety and Hygiene
WILLIAM C. MURPHY
Superintendent

June 23, 1975

2647

200 General Motors Corp.
2200 Georgesville Road
Columbus, Ohio 43228

FISHER BODY DIV

Risk #SI-267

Attn: Lewis Evans- Safety Director

Dear Mr. Evans:

Enclosed are the results of the bulk rafter sample I collected during a survey on February 25, 1975.

The analyses are as follows:

- (a) 5-10% of the total material is fibrous, the size range of asbestos,
- (b) No free silica found.
- (c) Iron oxide, 13.47% of total sample.
- (d) Cadmium oxide 0.001% of total sample.
- (e) Lead oxide, 0.22% of total sample.
- (f) The sample was found to be basic in nature with a pH of ~ 9.
- (g) Other metals present; manganese, a medium content found; copper; a heavy content found; zinc, a medium content found.

Based on the findings of the bulk sample, I would suggest that when the electricians or other employees are working in the rafter area, that the area where employees are working should be thoroughly cleaned. The accumulation should be removed by a vacuum system, sweeping or blowing of the dust should be avoided, to prevent dispersion. The delay in furnishing you the results is attributable to an analytical backlog.

If we can be of assistance to you at a later date, feel free to contact the Division.

Sincerely,

Dale Selchan

Dale Selchan
Industrial Hygienist

DS:bs



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APR 24 1975

General Motors Corporation
200 Georgesville Road
Columbus, Ohio 43228

Attention: Lewis Evans - Safety Director

Risk # SI 267

On February 25, 1975, a survey was conducted at the plant for sulfuric acid at the battery charging operation and a bulk rafter sample was taken to determine what the constituents were that were allegedly affecting electricians working on systems above ground.

The following persons were contacted:

Lewis Evans - Safety Director
Herbert Lutz - Safety Engineer
Halvor Christenson - Engineer

The sample taken for sulfuric acid using an MSA personal sampling pump plus a HA mixed cellulose ester filter (.45 micron). The analytical method used to obtain the result was titration for sulfates.

The results of the sulfuric acid survey is listed in the accompanying Table No. 1. Therein are listed operation, current Threshold Limit Values (TLV's) and results.

Based on the findings of the sulfuric acid survey, no current TLV's were exceeded.

Therefore no recommendations will be given at this time, except to maintain the operation such as to keep the atmospheric concentration to the level found at the time of this inspection.

At present, I have still not received the analysis of the bulk rafter sample. When the results are in hand, an additional report will be sent.

If there are any questions, please let us know.

Dale Selchan

Dale Selchan,
Industrial Hygienist

TABLE 1

Sulfuric Acid

Location	OSHA TLV in mg/M ³	Results
O. Weinrich Electrician, Battery Charge	1.0	Negative