

Spirit of
Safety

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46th all ohio
safety congress
exhibit
april 19, 20, 21, 22, 1976

file
The Industrial Commission of Ohio • Division of Safety & Hygiene
2325 West Fifth Avenue, Columbus, Ohio 43204
Pho. 614-466-3385

JAN 22 1976

Risk #S.I. 2823

PLAINTIFF'S EXHIBIT

K-2076

Roger Speelman
Owens-Illinois, Inc.
P.O. Box 1035
Toledo, Ohio 43666

Mr. Speelman:

On November 13, 1975, a survey to evaluate employees' exposures to lead was conducted in Plant #4C, Solder Glass Plant, at Levis Development.

Air samples were collected in the employees' breathing zones using mixed cellulose ester filters and personal sampling pumps. These samples were then submitted to the laboratory where they were analyzed for lead. The results are listed in the accompanying Table.

It can be seen from the Table that one of the samples exceeded the threshold limit value (TLV) of 0.15 milligrams of lead per cubic meter of air (mg/M^3) adopted by the American Conference of Governmental Industrial Hygienists (ACGIH). Therefore, it is recommended that:

1. The source of this exposure be determined and corrected using the on-going company sampling program.
2. Until such time as all exposures are consistently less than recommended limits, continue to enforce a program of respiratory protective equipment consistent with accepted practice, such as outlined in ANSI Z38.2.
3. Continue to enforce all work practices and ventilation requirements and provide a medical program consistent with those outlined in the Criteria Document on Occupational Exposure to Inorganic Lead published by the National Institute for Occupational Safety and Health (NIOSH).

If you have any questions regarding this report, or if the Division can be of service to you in anyway in the future, please feel free to contact E. Tyler, Dept. Head, Industrial Hygiene and Engineering.

Richard M. Maykowski

Richard M. Maykowski
Industrial Hygienist

RM:bs

Enclosures:

1. American National Standards Institute-288.2
2. NIOSH Criteria Document for Exposure to Inorganic Lead -Pgs. I-1 -I-14

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TABLE # 1
OWENS-ILLINOIS, INC.

TEST RESULTS

INDIVIDUAL OR SITE TESTED	CONTAMINANT	CONCENTRATION DETERMINED (mg/M ³) *	ACGIH** 8-HOUR TLV***
Plant #40 Solder Glass	Lead	0.65 0.07 0.02 0.02	0.15 mg/M ³

- (1) *MILLIGRAMS PER CUBIC METER OF AIR
(2) **AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
(3) ***THRESHOLD LIMIT VALUE

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