

U.S. Department of Labor

Occupational Safety and Health Administration
230 South Dearborn Street, Room 3244
Chicago, Illinois 60604
(312) 353 - 2220



February 10, 1994

Ms. Diane Manning, Docket Office Manager
Mail Stop C-15
Division of Standards Development
and Technology Transfer
National Institute for Occupational
Safety and Health
4676 Columbia Parkway
Cincinnati, OH 45226

Dear Ms. Manning:

In response to the letter of January 10, 1994, from Richard W. Niemeier, Ph.D., soliciting comments regarding any experiences we may have had relating to the issue of contamination of workers' homes by hazardous substances in the workplace, we have asked our field offices to review their files for such information.

Please be advised that as a regulatory agency the Occupational Safety and Health Administration (OSHA) is primarily concerned with conditions in the workplace and the efforts taken by employers to control and contain hazardous substances within their places of employment. As you are probably already aware, OSHA has several substance specific standards, i.e., lead, arsenic, coke oven emissions, etc., that require employers to provide such things as changes of work clothing, change rooms, and showers when certain airborne contaminant levels are exceeded. Thus, if the employer is complying with the applicable OSHA standards, there should theoretically be little or no contamination of the workers' homes. Unfortunately, that is not always the case, but OSHA does not inspect workers' homes. Rather, we hold the employer responsible for ensuring that hazardous substances are not being transported out of the workplace, and we attempt to curtail that through the enforcement of our standards.

Two of our area offices were able to provide some limited information relating to this issue, and we have enclosed this for your review and any use it may be to you. If you have any specific questions with regard to the examples presented in the enclosed documents we would recommend that you directly contact the respective offices which submitted them to us.

Sincerely,

WQWiehrdt
William Q. Wiehrdt
Assistant Regional Administrator
Technical Support

FEB 16 1994

U.S. Department of Labor

Occupational Safety and Health Administration
344 Smoke Tree Business Park
North Aurora, Illinois 60542-1798
(708) 896-8700 FAX: (708) 892-2160



February 3, 1994

MEMORANDUM FOR: MICHAEL G. CONNORS
REGIONAL ADMINISTRATOR

ATTENTION: BILL WIEHRDT
ARA/TS

Charles J. Shields

FROM: CHARLES J. SHIELDS
AREA DIRECTOR

SUBJECT: WORKER HOMES CONTAMINATION CASES

This is in response to the NIOSH request for information on contamination of worker homes. We remembered two county health department cases, but since we don't inspect worker homes we can't provide much detail or records. The local health departments would have any records of these incidents.

1. Kankakee Health Department, Kankakee, Illinois - referred a case of gross contamination of a home to OSHA 10-12 years ago. The father was an employee of Gould Battery in Kankakee and was bringing lead home on his clothing. Two children were hospitalized/chelated. OSHA did a comprehensive inspection at Gould Battery.
2. Marion County Health and Hospital Corporation, Indianapolis, Indiana. Indiana OSHA referred a case of lead contamination of a home to this county agency. C. Shields observed a possible problem with lead contamination of a home during a lead inspection at Wolfe Enterprises, Indianapolis, Indiana. Five related employees were bringing lead home on their shoes/clothing. The inspection was made in December 1984 and the referral was made in January 1985. At least one of the children had what was termed severe lead intoxication (a blood lead of 50 ug/100g) and underwent chelation.

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CLEVELAND AREA OFFICE - REGION V
1240 EAST 9TH STREET, ROOM 899
CLEVELAND, OH 44199
216/522-3818
FAX# 216/771-6148

Date: February 2, 1994
From: *R. M.* Robin R. Medlock, Area Director
Subject: Master Metals
To: William Q. Wiehrdt, ARA - T/S

In response to the January 10, 1994 letter:

The Cleveland Area OSHA office conducted in 1990 an investigation at Master Metals 2850 West Third Street, Cleveland Ohio. During that inspection employee exposure to lead was demonstrated. Upon hearing reports of children of three employees having elevated blood lead levels, a decision was made to conduct sampling in employee's homes. Those wipe sampling results are attached. This mater was subsequently referred to the Ohio Department of Health and the Cleveland Lead Hazard Abatement Center. Please contact these agencies to determine what response they had.

For your information the addresses of these agencies are as follows:

Mary Rouse
Epidemiologist
Toxicology Branch
Division of Epidemiology
Ohio Department of Health
246 N. High Street
Post Office Box 118
Columbus, Ohio 43266-0118

Cleveland Lead Hazard
Abatement Center
9127 Miles Road
Cleveland, Ohio
44105

(216) 441-7402

(614) 466-3543

If you require additional information in reference to OSHA activity at this site, please contact Mr. Marc Snitzer, Industrial Hygienist, at (216) 522-3818.

0

MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	INSTRUMENT & COMPONENTS (NS)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Vanadium (V205) Fine	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Vanadium (V205) Fine	4.5929 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Carbonium (as foil)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Cobalt, Metal, Fine & Du	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Copper Fine (as Cu)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Inorganic Fine (as Fin)	3.1775 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Molybdenum (as foil/insol)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Nickel, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Lead, Inorganic Fine &	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Platinum & Compounds (NS)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Vanadium (V205) Fine	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Zinc, Electro Fine	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Carbonium Fine (as Ld)	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Cobalt, Metal, Fine & Du	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Copper Fine (as Cu)	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Inorganic Fine	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Iron-Nickel Fine	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Manganese Fine (as Fin)	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Niobium (as foil/insol)	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Nickel, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Lead, Inorganic Fine &	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Platinum & Compounds (NS)	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Vanadium (V205) Fine	0.000000 X
MASTER METALS	105927529	RL7	BAVISOL	322300	900525 N68754	Zinc, Electro Fine	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Beryllium & Compounds	1.7524 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Carbonium (as foil)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Cobalt, Metal, Fine & Du	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Inorganic Fine (as Fin)	0.000000 X
MASTER METALS	105927529	RL6	BAVISOL	322300	900525 N68753	Iron-Nickel Fine	0.000000 X

MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Manganese Fume (as Mn)	0.000000 X
MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Polymerum (as Pb)(Insol)	0.000000 X
MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Nickel, Metal & Insolubl	0.000000 X
MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Lead, Inorganic Fumes &	60.25000 X
MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Beryllium (V2O5) Fume	0.000000 X
MASTER METALS	105927529	RL6	BV1301	522300	900525 N68755	Zinc Oxide Fume	3.36000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Cadmium Fume (as Cd)	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Cobalt, Metal, Fume & Dp	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Copper Fume (as Cu)	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Iron Oxide Fume	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Manganese Fume (as Mn)	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Polymerum (as Pb)(Insol)	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Nickel, Metal & Insolubl	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Lead, Inorganic Fumes &	56.74000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Antimony & Compounds (as	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Vanadium (V2O5) Fume	0.000000 X
MASTER METALS	105927529	RL9	BV1301	522300	900525 N68756	Zinc Oxide Fume	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Cadmium Fume (as Cd)	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Cobalt, Metal, Fume & Dp	1.47000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Copper Fume (as Cu)	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Iron Oxide Fume	6.37000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Manganese Fume (as Mn)	112.7111 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Polymerum (as Pb)(Insol)	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Nickel, Metal & Insolubl	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Lead, Inorganic Fumes &	0.000000 X
MASTER METALS	105927529	RL10	BV1301	522300	900525 N68757	Antimony & Compounds (as	25.74000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Zinc Oxide Fume	0.000000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Cadmium Fume (as Cd)	6.4331 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Cobalt, Metal, Fume & Dp	0.000000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Chromium, Metal & Insolu	0.000000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Copper Fume (as Cu)	7.47000 X
MASTER METALS	105927529	RL11	BV1301	522300	900525 N68758	Iron Oxide Fume	149.23 X

2

3

MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Manganese Fume (as Mn)	0.000000 X
MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Molybdenum (as Mo) (Insol)	0.000000 X
MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Nickel, Metal & Insoluble	0.000000 X
MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Lead, Inorganic Fumes &	0.000000 X
MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Iron Oxide Fume	0.000000 X
MASTER METALS	105927529	RL11	BAV1501	522300	900525 N68758	Vanadium (V2O5) Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Zinc Oxide Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Calcium Fume (as Ca)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Cobalt, Metal, Fume & Dv	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Chromium, Metal & Insolub	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Copper Fume (as Cu)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Iron Oxide Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Hydrogen Fume (as H2)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Molybdenum (as Mo) (Insol)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Nickel, Metal & Insoluble	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Lead, Inorganic Fumes &	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Antimony & Compounds (as	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Vanadium (V2O5) Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68759	Zinc Oxide Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Calcium Fume (as Ca)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Cobalt, Metal, Fume & Dv	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Chromium, Metal & Insolub	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Copper Fume (as Cu)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Iron Oxide Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Manganese Fume (as Mn)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Molybdenum (as Mo) (Insol)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Nickel, Metal & Insoluble	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Lead, Inorganic Fumes &	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Antimony & Compounds (as	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Vanadium (V2O5) Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68760	Zinc Oxide Fume	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Beryllium & Compounds	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Calcium Fume (as Ca)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Cobalt, Metal, Fume & Dv	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Chromium, Metal & Insolub	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Copper Fume (as Cu)	0.000000 X
MASTER METALS	105927529	RL12	BAV1501	522300	900525 N68761	Iron Oxide Fume	0.000000 X

