



Lead Industries Association, Inc.

292 Madison Avenue • New York, N. Y. 10017 • Telephone: (212) 879-9030

February 28, 1972

SUBJECT: "Emission Standards for the Secondary Lead Industry"

TO: ALL MEMBERS OF THE LEAD INDUSTRIES ASSOCIATION, INC.

Gentlemen:

LIA was recently invited to attend a meeting in Durham, N.C. called for February 16th by the Office of Air Programs section of the EPA and did so along with Mr. D. R. Lynan of ILZRO, working with LIA.

Attached is a copy of a report prepared as a result, which will inform you of EPA's plans and some of the emission limits which can be expected.

Sincerely,

J. L. Kimberley
J. L. Kimberley *per JJK*

JLK:ft

VISIT REPORT

Date: February 18, 1972

Location: Environmental Protection Agency
Durham, N. C.

Visit by: D. R. Lynam
J. L. Kimberley

Persons present: J. F. Durham, EPA, Performance Standards Branch
G. F. Evans, EPA, Economic Analysis Branch
D. R. Goodwin, EPA, Dir. of Standards Development and Implementation
J. Divita, EPA, Performance Standards Branch
R. T. Walsh, Manager, Performance Standards Branch

Report by: D. R. Lynam, J. L. Kimberley

Subject: Emissions Standards for the Secondary Lead Industry

On February 18, Jack Kimberley and Don Lynam attended a meeting at the invitation of EPA officials for trade associations for the purpose of discussing proposed emission standards for the secondary lead industry. EPA is now in the process of promulgating standards for new and modified construction involving the secondary metals industry. The authority for this action is the Clean Air Act, December, 1970, Section 111, "Standards of Performance for New Stationary Sources."

The procedures which EPA has used to arrive at the proposed standards have been: 1. To visit a number of plants; 2. To do source sampling at a number of plants.

The results of emission testing are as follows: For blast furnaces - 1. Afterburner and bag house controls--0.2-0.3% of particulate/ton of lead produced; 2. Venturi scrubber control--1.5% of particulate/ton of lead produced; 3. Afterburner, bag house and venturi scrubber controls--0.6% of particulate/ton of lead produced.

The proposed emission standards for blast and reverberatory furnaces involve the control of total particulates, total lead particulates and visual emissions.

Total particulates are limited to 1% of lead produced.

Lead is limited to less than .5% metallic lead/ton of lead produced.

Visual emissions are limited to 20% opacity which is equivalent to Ringleman 1.

The test method involves a sampling technique consisting of a probe, a dry glass filter and wet impinger. The standard is based on total material collected in the probe and on the dry filter. The test method is described in the Federal Register, Thursday, December 23, 1971, Part 2, entitled, "Standards of Performance for New Stationary Sources." The proposed emission standards for pot furnaces and refining kettles involve only the control of visual emissions. The standard is less than 10% opacity or no visible emissions.

In order to put the EPA standards in perspective with regard to standards by the states: 1. There are no lead standards for any state; 2. Total particulates range from 2-4% of particulate/ton of lead produced, and therefore, the EPA requirement

Feb. 1972

NATIONAL AIR POLLUTION CONTROL TECHNIQUES

ADVISORY COMMITTEE

Mr. Raynal W. Andrews
150 Guyasuta Road,
Pittsburgh, Pennsylvania 15215

FTS 412-644-3311 ask: 781-9510

Mr. Robert L. Chass
Air Pollution Control Officer
Los Angeles County Air
Pollution Control District
434 South San Pedro Street
Los Angeles, California 90013

FTS 213-688-2000 ask: 629-4711

Mr. Charles M. Copley, Jr.
Commissioner, Division of Air
Pollution Control
City of St. Louis
Room 419 City Hall
St. Louis, Missouri 63103

FTS 314-622-8100 ask: 453-3334

Mr. C. G. Cortelyou
Coordinator of Air and Water
Conservation
Mobil Oil Corporation
150 E. 42nd Street - Rm. 1650
New York, N.Y. 10017

FTS 212-460-0100 ask: 883-4977

Mr. Arthur R. Damkoehler
Air Pollution Control Officer
Puget Sound Air Pollution
Control Agency
410 W. Harrison Street
Seattle, Washington 98119

FTS 206-442-0111 ask: 206-344-7330

Feb. 1972

page 3

NATIONAL AIR POLLUTION CONTROL TECHNIQUES
ADVISORY COMMITTEE

Mr. W. M. Smith
Director, Environmental Control
National Steel Corporation
Box 431, Room 159, General Office
Weirton, West Virginia 26062

FTS 304-343-6181 ask: 304-723-8582

Dr. Aaron J. Teller
Teller Environmental Systems, Inc.
295 Fifth Avenue
New York, N.Y. 10016

FTS 212-460-0100 ask: 212-889-0565

Mr. A. J. von Frank
Director, Air & Water
Pollution Control
Allied Chemical Corporation
P. O. Box 70
Morristown, New Jersey 07960

FTS 201-645-3000 ask: 538-8000 ext. 3897

Mr. Benjamin F. Wake
Director, Division of Air Pollution
Control and Industrial Hygiene
Montana State Department of Health
Helena, Montana 59601

406-449-3454