

March 8, 1977

TO: All Members of the Lead Industries Association, Inc.
All Members of the LIA Environmental Health Committee

FROM: Jerome F. Cole, Sc.D.

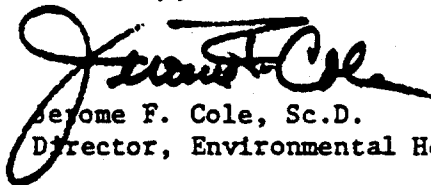
SUBJECT: OSHA HEARINGS SCHEDULE

Lead Industries Association, Inc. has received the enclosed information presenting a schedule for the informal public hearing on the Proposed Standard for Exposure to Lead scheduled to begin at 9:30 on March 15 in Washington, D.C.

Please note that OSHA plans to call fifteen witnesses. A separate list of these witnesses and the subjects which they will address is also attached. We have been advised also that OSHA has tentative plans to hold regional hearings on this Standard in addition to the Washington, D.C. hearings. Our latest information, not confirmed, is that these hearings will be held in Missouri on April 26 and San Francisco on May 3. We have also been advised that these regional hearings, if they are held, are to be specifically for those who cannot attend the Washington hearings.

LIA intends to testify in Washington, D.C. You will note that our presentation is listed as number 17. The LIA staff headquarters will be at the Capitol Hilton Hotel in Washington, D.C. beginning on Monday, March 14, 1977.

Sincerely,



Jerome F. Cole, Sc.D.
Director, Environmental Health

Enclosures

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LIA03657

N 3763

TO
JIM CALLAGHAN

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
WASHINGTON, D.C. 20310

INFORMAL PUBLIC HEARING

ON

PROPOSED STANDARD FOR EXPOSURE TO LEAD

Tentative Schedule of Appearances

Commencing at 9:30 a.m. on March 15, 1977
Departmental Auditorium--Constitution Avenue
between 12th and 14th Streets, N.W.,
Washington, D.C.

Administrative Law Judge--Julius A. Johnson
Office of Standards Development--William Lee
Office of the Solicitor--David Kuchenbecker
Hearing Management Officer--Clarence M. Page

APPEARANCES

PRESENTATION TIME

Occupational Safety and Health Administration

20 Hours

Grover C. Wrenn, Dir. of Health Standards Programs, OSHA
Dr. Arvil V. Adams, Arvil Adams and Associates
Dr. Hector P. Blajer, Dir. of Occupational Health, City of Hope Medical Center
David J. Burton, D. B. Associates, Inc.
Ms. Catherine East, International Women's Year Secretariat
Dr. M.A. El Botawi, Chief Medical Officer, Office of Occup. Health, World Health
Dr. Melvin W. First, Prof. of Environ. Health Engineering, Harvard School of Public Health
Dr. Paul B. Hammond, Dir. of Toxicology, Dept. Env. Health, Univ. of Cincinnati
Andreas Hricko, Labor Occupational Health Program, Univ. of California, Berkeley
Dr. Vilma R. Hunt, Associate Prof. of Health, Penn. State Univ.
Dr. Ioana Lancranjan, Basel, Switzerland
Dr. Sergio Pionelli, New York University Medical Center
Dr. John D. Repko, Performance Research Lab., Univ. of Louisville
Dr. Anna Maria Seppalainen, Institute of Occupational Health, Helsinki Finland
Dr. Daniel T. Teitelbaum, President/Dir., Poisonlab
Dr. Richard P. Wedeen, Dir., Department of Medicine, Jersey City Medical Center

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TIME REQUESTED -
(in minutes)

OIL CHEMICAL & ATOMIC WORKERS INTERNATIONAL UNION

A. P. Grossiron, President
Anthony Mazzochi, Director, Citizenship-Legislative Dept.
Rafael Moure, Industrial Hygienist
Sylvia Kreckel, Occupational Health Specialist
Steve Kodka, International Representative

60

COALITION OF LABOR UNION WOMEN

Olga M. Mader, President
Jeanne Stellman, Technical Consultant
Florence Simone, Recording Secretary Local #322,
and Industrial Workers

75

APSEE, INC.

James C. Gallagher, President
Michael K. Gallagher, Vice President
Leo H. Godfrey, Industrial Engineer

30

J. I. CASE CO.

Lawrence A. Hodges

30

THE HYDRATE BATTERY CORP.

Robert L. Grunwell, President

3

UNITED AUTO WORKERS

Leonard Woodcock, President
Franklin B. Hiner, Social Security Dept.

105

DYNALITE CORPORATION

Donald R. Mull, President

10

AMAX, INC.

Bernard R. Roy, Corporate Manager of Loss Prevention
Dr. Robert F. Bell, Medical Consultant

30

COUNCIL ON WAGE & PRICE STABILITY

Thomas D. Hopkins, Acting Assistant Director,
Government Operations
Dianne Levine, Senior Economist

30

INDEPENDENT BATTERY MANUFACTURERS ASSOCIATION, INC.

Sam A. Roe, Executive Secretary

15

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	<u>TIME REQUESTED</u> (in minutes)
11. INTERNATIONAL ASSOCIATION OF MACHINISTS & AEROSPACE WORKERS Angelo Cefalo, Special Assistant to International President and Chairman, AFL-CIO Lead Committee	15
12. GENERAL MOTORS CORPORATION Dr. Robert G. Wiencek, Medical Director Gene X. Kortsha, Director Industrial Hygiene Dr. James A. Taylor, Medical Director - Delco Remy Div. Russell J. Thomas, Office of the General Counsel Sidney Lerner, Associate Professor for Environmental Health, University of Cincinnati Dr. Rufus Miller, Assistant Medical Director	60
13. INTERNATIONAL BROTHERHOOD OF TEAMSTERS George H. Mernick, Representative, Safety & Health Dept. R. V. Durham, Director, Safety & Health Dept.	60
14. WESTERN ELECTRIC COMPANY Harold D. Belk, M.D., Works Medical Director Charles D. Barrett, C.I.H.	30
15. CHLORIDE INCORPORATED Dennis Malcolm, Medical Consultant	60
16. NATIONAL FEDERATION OF BUSINESS & PROFESSIONAL WOMEN'S CLUBS, INC. Jane Culbreth, National President	10
17. LEAD INDUSTRIES ASSOCIATION, INC. Dr. Jerome F. Cole, Director, Environmental Health James C. Burrows, Charles River Associates Inc. Dr. Michael Williams, Consultant	180
18. WOMEN'S LEGAL DEFENSE FUND; WOMEN ORGANIZED FOR EMPLOYMENT; WOMEN IN APPRENTICESHIP Judith L. Lichtman, Executive Director, Women's Legal Defense Fund	10

TIME REQUESTED
(in minutes)

19. BELL LABORATORIES

60

W. E. Blumberg, _____
J. Fisinger, _____
A. A. Lamola, _____

20. LABOR TASK FORCE, NATIONAL ORGANIZATION FOR WOMEN

70

Madeleine Janover, Coordinator, ~~OSHA~~ *Occupational Safety & Health Project*
Sara Nelson, Coordinator, Labor Task Force
Camille Kozlowski, Health Committee, NY Chapter of N.O.W.

21. INDUSTRIAL UNION DEPARTMENT, AFL-CIO

Peter Bommarito, Chairman, IUD Committee on Safety & Health 20
And President, United Rubber Workers

Louis Beliczky, Director of Industrial Hygiene, *IRW URW* 30

Bertram Carnow, Director of Occupational Environmental Programs, Univ. of Illinois School of Public Health 30

Samuel Epstein, Director of Environmental Toxicology, Univ. of Illinois School of Public Health 30

Ruth Lillis, Medical Staff, Environmental Science Lab., Mt. Sinai School of Medicine

Alfred Fischbein, Medical Staff, Environmental Science Lab., Mt. Sinai School of Medicine

William Rom, Medical Staff, Environmental Science Lab., Mt. Sinai School of Medicine

Joe A. Valciukas, Medical Staff, Environmental Sciences *LAB Mt. Sinai School of Med* 120

Carol Rice, Industrial Hygienist, Mt Sinai School of Medicine 30

Peter Infante, Epidemiologist, NIOSH, as private Citizen 30

Meier Schneider, IUD Consultant 45

David Nelson, Economist 30

Sheldon W. Samuels, Director of Health, Safety & Environment, IUD 30

22. CAN MANUFACTURERS INSTITUTE

15

John W. Locke, Director of Technical Services

23. STANDARD ELECTRIC COMPANY, INC.

30

Gerald Z. Dubinski, President

24. UNITED STEELWORKERS OF AMERICA

120

Lloyd McBride, Director, District 34

Frank McFee, Director, District 38

Frank Valenta, Staff Representative, District 30

James D. English, Assistant General Counsel

? Toxicology Bethlehem Steel Corp.

Joseph T. Mac, M.D. - General Medical Director Inland Steel Company

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TIME REQUESTED
(in minutes)

- | | | |
|--|------|-----|
| 25. NATIONAL CONSTRUCTORS ASSOCIATION | ? | 20 |
| V. Sherwood Kelly, Chairman, Safety & Health Committee
D. F. English, Director of Safety
James R. Milor, Chairman, Subcommittee on Lead
David J. Burch, Staff Assistant | | |
| 26. AMERICAN FOUNDRYMEN'S SOCIETY | | 30 |
| Gary E. Mosher, Industrial Hygienist | | |
| 27. AMERICAN IRON & STEEL INSTITUTE | | 45 |
| John H. Stenmark, V. P. - Industrial Relations
John A. Janous, Director, Industrial Health & Safety Services
Robert J. Halen, M.D. - Medical Director, Jones & Laughlin Steel Corp.
Donald L. Haney, Jr. - Assistant Director, Industrial Health, Republic Steel Corp.
A. E. Moffitt, Jr. Director - Environmental Chemistry & Toxicology, Bethlehem Steel Corp.
Joseph T. Nos, M.D. - General Medical Director, Inland Steel Co. | | |
| 28. BETHLEHEM STEEL CORPORATION | | 45 |
| P. I. Grunder, Senior Environmental Health Chemist
A. E. Moffitt, Jr., Director, Environmental Chemistry and Toxicology
J.S. Schockley, Environmental Health Engineer
D. L. Webster, Director, Environmental Health Engineering
P. J. Whitaker, M.D., Corporate Medical Director | | |
| 29. BATTERY COUNCIL INTERNATIONAL TESTIMONY | | 190 |
| 29-A BATTERY COUNCIL INTERNATIONAL | | |
| Charles Hockenberry, Executive Secretary | (50) | 30 |
| Knowlton J. Caplan, President, Industrial Health Engineering Associates, Inc. | (60) | 60 |
| 29-B POWER PLUS BATTERIES CO. | | 15 |
| W. R. Voorhees, President | | |
| 29-C CONTINENTAL BATTERY MANUFACTURING CORP. | | 10 |
| Kelly McCann, President | | |
| 29-D RED DIAMOND BATTERY COMPANY | | 15 |
| Charles H. Allen, Consultant | | |
| 29-E INTERSPACE BATTERY COMPANY | | 20 |
| Ellsworth Davis, Representative of Interspace Battery Co. | | |
| 29-F TROJAN BATTERY COMPANY | | 15 |
| Raymond G. Godber, President | | |
| 29-G BATTERY PLATES MANUFACTURING CO., INC. | | 15 |
| Clifford W. Richards, President | | |

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TIME REQUESTED
(in minutes)

- 29-H CROWN BATTERY COMPANY
Lee Koenig, President 10
30. INDEPENDENT ASSOCIATION OF SECONDARY LEAD SMELTERS 5
James W. Lorio, M.D., Consultant, Industrial
Medicine, Toxicology
(Testifying also on own behalf)
31. COMINCO, Ltd. 20
E. R. Doyle, Manager Environmental Control
F. H. P. Dowdney, Counsel
32. UNITED AUTO WORKERS LOCAL 489, MUNCIE, INDIANA 30
Gerald P. Stout, Insurance Representative &
Injured Worker
33. UNITED STATES DEPARTMENT OF INTERIOR, BUREAU OF MINES 25
Frank E. Block, Research Director, Reno
Metallurgy Research Center
34. GLOBE UNION, INC. 90
Robert W. Schindler, Corporate Manager of Health
and Safety
Dr. Marjorie Lundquist, Manager of Industrial Hygiene, Battery Division
Charles W. Fishburn, M.D., Occupational Medical
Consultant
Stanley S. Jaspan, Attorney
35. (ON HER OWN BEHALF) Dr. Marjorie Lundquist 15
36. VOLTMASTER COMPANY, INC. 50
Roger Winslow, President (TS)
K. A. Garber, M.D., Medical Consultant (TS)
Phillip Hamilton, Production Employee (TS)
John Rode, County Extension Director, Wayne County
Rev. Robert Smith, Resident of Corydon, Iowa

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	TIME REQUESTED (in minutes)
37. SGL BATTERIES MANUFACTURING CO. R. J. Hollander, President	30
38. UNITED RUBBER, CORK, LINOLEUM AND PASTIC WORKERS OF AMERICA Peter Bommarito, President Louis S. Beliczky, Director of Industrial Hygiene Richard Bergen, President, Local 812 Fred Worden, Division Steward, Local 812 Ashag Bexigian, President, Local 700 Liye D. Skinner, Member Executive Board David Browning, M.D. Albert Stewart, Steward, Industrial Hygiene Service Daniel T. Teitelbaum, M.D., Denver Poison Laboratory 2-10-1972	60
39. BELL CITY BATTERY MANUFACTURING COMPANY Ardall E. Miller, President	30
40. ESTEE BATTERY CO. Lawrence Scheinbaum, President	60
41. REPUBLIC STEEL CORPORATION John R. Wall, Vice President, <i>Personnel</i> P.H. Mullally, M.D., Director of Occupational Medicine Donald L. Haney, Jr., Assistant Director, Industrial Health	60
42. THE BUNKER HILL COMPANY Gene M. Baker, Vice President	15
43. HEALTH RIGHT Sharon Lieberman, Co-Director	20
44. UNITED STEELWORKERS OF AMERICA - LOCAL UNIONS Local 6496 - Hoyt Plant, Granite City, Ill. Local 5227 - Gen. Battery Corp., Reading, PA. Local 5554 - NL Industries, Beach Grove, Ind. Local 72 - ASARCO, E. Helena, Mt. Local 6130 - Prestolite Battery, Reading, PA. K-George Becker, Safety Representative	120
45. UNITED STEELWORKERS OF AMERICA - Local Unions Local 6242 - St. Joe Minerals, Missouri Local 12962 - Hercules, Inc., Glens Falls, N.Y. Local 7100 - Kramer & Co., El Segundo, Cal. Local 14770 - Ag-Met, Inc., Lofty, PA. Local 7982 - Marathon Battery Co., Waco, Texas K-J. William Lloyd, Epidemiologist	90
LANCASTER BATTERY COMPANY, INC. Stuart C. Hanix, President	20

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	TIME REQUESTED (in minutes)
47. LAHER BATTERY PRODUCTION CORP. Wil Laher, President- <i>Vice President, Production</i>	10
48. UNITED STEELWORKERS OF AMERICA Local 3721 - Murph Metals, Inc., Dallas, Texas Local 501 - Phelps Dodge Corp., El Paso, Texas ← David Nelson, <i>ESQ.</i>	60
49. UNITED CHURCH BOARD FOR HOMELAND MINISTRIES Barbara Jones Riley, Coordinator, Women's Concerns & Family Life Gene Jones, Consultant	30
50. UNITED STEELWORKERS OF AMERICA Local 6126 Westinghouse Electric, Skokie, Ill. Local 4352 NL Industries, Atlanta, GA. Local 943 Allied Smelting Corp, Milwaukee, Wisconsin Local 8183 St. Joe Minerals Corp., Monaca Local 12140 USS Lead Refinery, Inc., E. Chicago, Indiana ← Claudia Miller, Industrial Hygienist	45
51. ASARCO Kenneth W. Nelson, Vice President Environmental Affairs Michael O. Varner, Manager, Dept. of Environmental Sciences E. S. Godsey, Chief, Fume Recovery Engineer Simon D. Strauss, Executive Vice President	120
52. UNITED STEELWORKERS OF AMERICA Local 3832 NL Industries, Dallas, Texas Local 5022 ASARCO, Inc., Corpus Christi, Texas Local 509 ASARCO, Inc., El Paso, Texas Frederick M. Mabry	60
53. PUBLIC CITIZENS HEALTH RESEARCH GROUP Sidney M. Wolfe, M.D., Director Peter A. Greene, Staff Attorney	60
54. AFL-CIO ← Details & Witnesses for be given later-George Taylor	60
55. EQUAL EMPLOYMENT OPPORTUNITY COMMISSION Ethel Bent Walsh, Vice Chairman	15
56. GENERAL BATTERY CORPORATION Ralph G. Smith, Consultant, Professor of Environmental and Industrial Health, University of Michigan School of Public Health	30

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	<u>TIME REQUESTED</u> (in minutes)
57. SHIPBUILDERS COUNCIL OF AMERICA Frank R. Kesterman, Secretary	15
58. PAUL BERGSOE & SON A/S Svend Bergsoe, Chairman	10
58A. KEY METALS AND MINERALS ENGINEERING CORPORATION Dr. T. S. Mackey, P.E., President	10
59. UNITED STEELWORKERS OF AMERICA Employee Panels	160

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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
WASHINGTON, D.C. 20210



Office of the Assistant Secretary

United States Department of Labor
OSHA Committee Management Office
Docket No. H-004
Room N3633, NDOL

To: Docket Officer

The Occupational Safety and Health Administration (OSHA) wishes to submit the following information for the record concerning OSHA's participation at the March 15, 1977 informal rulemaking hearing on the proposed standard for exposure to lead.

At the request of OSHA, the following persons will appear to address these specific issues:

- a. Mr. Grover C. Wrenn
Directorate of Health
Standards Programs,
OSHA

Mr. Wrenn will provide an opening statement to review OSHA's development of a final lead standard. He will briefly discuss significant issues associated with this rulemaking proceeding and introduce the expert witnesses who will be making presentations at OSHA's request.

- b. Dr. Arvil V. Adams
Arvil Adams and Associates

Dr. Adams will offer an explanation of the economic analysis that he performed as part of the final economic impact statement produced for OSHA by D.B. Associates. He will explain the methodology and approach utilized in assessing the cost to affected industries of complying with the proposal. He will be accompanied by several of his assistants.

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- c. Dr. Hector P. Blejer
Director of Occupational
Health, City of Hope
Medical Center

Dr. Blejer will discuss the prophylactic and therapeutic administration of chelating agents to lead workers. He will provide a critique of the proposed standard's provision for chelation therapy and conclude with a recommendation concerning its future use.

- d. David J. Burton
D.B. Associates, Inc.

Mr. Burton will provide a general explanation of the final economic impact study performed for OSHA, the data gathering effort, and an assessment of the technological feasibility of compliance with the proposed standard. Additionally, he will explain the supplemental data gathered since February 15, 1977. He will be accompanied by several of his assistants.

- e. Ms. Catherine East.
International Women's
Year Secretariat

Ms. East will discuss the discriminatory aspects (on the basis of sex) of certain job practices. She will also explain why, in her opinion, the final lead standard should in no way be discriminatory towards female employees.

- f. Dr. M.A. El Batawi
Chief Medical Officer
Office of Occupational
Health
World Health Organization

Dr. El Batawi will discuss conclusions and recommendations of the 1976 Amsterdam Lead Conference as well as the World Health Organization's recent report on lead exposure. Also, he will explain the need for primary reliance on an air lead permissible exposure limit.

- g. Dr. Melvin W. First
Professor of Environmental
Health Engineering
Dept. of Environmental
Sciences
Harvard School of Public
Health

Dr. First will discuss the principles of engineering controls as well as the technical feasibility of various engineering controls and new processes available to the lead industries to comply with the proposed lead standard.

- h. Dr. Paul B. Hammond,
Director of Toxicology
Dept. of Environmental
Health
University of Cincinnati
Medical Center

Dr. Hammond will summarize the significant conclusions of the 1972 National Academy of Sciences Report on Lead. He will also explain the correlation between levels of airborne lead and concentrations of lead present in the blood based primarily on studies by the following scientists:
1. Rabinowitz, M.B. 1974 Lead contamination of the biosphere by human activity; a stable isotope study. Ph.D. thesis, University of California, Los Angeles 120 pp., 2. Griffin, T.B., Coulston, F., Wills, H., Russell, J.C., Knelson, J.H. 1975. Clinical studies on men continuously exposed to airborne particulate lead. In Environmental Quality and Safety. Suppl. Vol. II, Stuttgart: Thieme.
3. Fugas, M., Wilder, B., Paukovic, R., Hrsak, J., Steiner-Skreb, D. 1973. in Environmental Health Aspects of Lead. Proc. Symp., Amsterdam, Holland, Oct. 26, 1972. Luxembourg: Comm. Eur. Communities. p. 961. 4. Prpic-Majic, D., Fugas, M., Susnik, J. op cit. p. 707. 5. Williams, M.K., King, E., Walford, J. 1969. Brit. J. Ind. Med. 26: 202.

6. Azar, A., Snee, R. Habibi, 1975. An Epidemiologic Approach to Community Air Lead Exposure Using Personal Air Samplers. Environ. Qual. Safe Supp. 2: 254-260. 7. Roels, H., Buchet, J.P., Lauwerys, R., Hubermont, G., Bruaux, P., Claes-Thoreau, F., LaFontaine, A., Van Overschelde, J. 1976. Arch Environ. Hlth. 31: 310.

- i. Andrea Hricko
Labor Occupational Health
Program
Univ. of California,
Berkeley

Ms. Hricko will assess studies on the effects of lead on the human reproductive system as they relate to a policy of providing equal protection for the health of male and female employees in the workplace. Where appropriate, she will rely on her publication, "Working For Your Life: A Women's Guide To Job Health Hazards".

- j. Dr. Vilma R. Hunt,
Associate
Professor of Health
The Pennsylvania State
Univ.

Dr. Hunt will provide a review of the pertinent studies on the effects of lead on human reproductive functions, particularly those of the female, and conclude with a recommendation for the final lead standard. Where appropriate she will rely on her publication "Occupational Health Problems of Pregnant Women".

- k. Dr. Ioana Lancranjan
Basel, Switzerland

Dr. Lancranjan will present a brief discussion of the lead effects on the male reproductive functions and explain her study "Reproductive Ability of Workmen Occupationally Exposed to Lead". Arch. Environ. Health (1975).

1. Dr. Sergio Piomelli
New York University Medical
Center
Dr. Piomelli will explain the effects of lead on the heme-synthesis process and discuss the advantages of performing the zinc protoporphyrin test to determine the effect lead has on the body.
- m. Dr. John D. Repko
Performance Research Lab.
Univ. of Louisville
Dr. Repko will discuss his study, "Behavioral Effects of Occupational Exposure to Lead," as it relates to human psychomotor and neuromuscular functions.
- n. Dr. Anna Maria Seppalainen
Institute of Occupational
Health
Helsinki, Finland
Dr. Seppalainen will explain the toxicity of lead as it affects motor nerve conduction velocity and provide a discussion of her studies, "Subclinical Neuropathy at Safe Levels of Lead Exposure" Arch Environ Health (1975) and "Sensitive Technique for Detecting Subclinical Lead Neuropathy" Brit. J. Ind. Med. (1972). Dr. Seppalainen will also discuss her work on this subject as presented at the 1976 Amsterdam Lead Conference.
- o. Dr. Daniel T. Teitelbaum
President/Director
Poisonlab
Dr. Teitelbaum will explain proper programs of medical surveillance and air and biological monitoring and discuss ranges of health effects observed and laboratory techniques. In addition, he will provide some indication of the costs of maintaining the aforementioned programs.

p. Dr. Richard P. Wedeen
Director, Department of
Medicine
Jersey City Medical Center

Dr. Wedeen will explain the effects of lead on the renal systems, the inadequacy of blood lead determinations to indicate loss of kidney function, and his ongoing work with occupational lead nephropathy. Where appropriate, he will refer to his studies, "Blood Lead -An Inadequate Measure of Occupational Exposure" J. Occup. Med. (1975) and "Occupational Lead Nephropathy" Amer. J. Med. (1975).

The approximate amount of time required for their presentations is 20 hours, excluding questions.

Additionally, other issues to be addressed include those set forth in the preamble to the proposed standard (Oct. 3, 1975; 40 FR 45934) and the notice of hearing (Jan. 4, 1977; 42 FR 808).



Grover C. Wrenn
Directorate of Health
Standards Programs, OSHA

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