

*Review of Standards
in Progress by EPA*

Emission Standards and Criteria Task Force Report

- Durham, N.C.

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I. Activities - Emission Standards and Engineering Division

Mr. Don Goodwin suffered a mild heart attack in December, 1975, and he is just now returning to part time work. Mr. George Walsh is serving as temporary Director. Mr. Walsh noted the status of the following studies:

- A. Coke Ovens: The support document has been revised and should be issued in March, 1976.
- B. Refuse Combustion Units: A regulatory package is being prepared.
- C. Coal Gasification Plants: The support document is now due in May, 1976.
- D. Crushed Stone Plants: A regulatory package is being prepared.
- E. Carbon Black Plants: The support document is due in April, 1976.
- F. Phosphate Rock & Lime Plants: Technical information will be reviewed with the Techniques Advisory Committee in March before preparation of a support document.
- G. Various Hydrocarbon Sources (Surface Coatings, Dry Cleaning, Solvent Degreasing, etc.): Studies are underway on most, but it will be up to a year before support documents are completed.
- H. Steel Mills - Electric Arc Furnaces
Phosphate Fertilizer Operation
Copper-Lead-Zinc Smelters
New source standards have been promulgated.
- I. Published rules on implementation of Section III.d.
- J. Proposed emission standards for Vinyl Chloride.
- K. Published regulations on modification and reconstruction.

II. Status of Monsanto Study of Multimedia Emissions

I contacted Dr. Robert Benning at Monsanto's Dayton Laboratory (513-268-3411) to learn the status of their contract with EPA to "continue the Houdry investigation". Dr. Benning described a program that goes beyond the original investigation by Houdry:

A. The program's objective is to "assess the environmental impact of multi-media emissions from a list of sources, using common judgment criteria, in sufficient detail to enable EPA to determine the need for the development of control technology".

B. The scope of work includes investigating 600 sources in four major categories:

1. Organic materials
2. Inorganic materials
3. Open operations
4. Combustion operations

C. The procedure calls for an eight step evaluation of each source:

1. Select sources to be studied by using an evaluation model that quantifies each of several environmental factors (e.g. emission levels, TLV of item, number of people exposed), tempered with "qualitative judgments" (i.e. political pressure).
2. Prepare a work plan that identifies cost and time.
3. Collect current information and prepare preliminary evaluation document; send this to affected industry.
4. Get EPA decision on whether a sampling program is required.
5. Prepare a sampling plan.
6. Conduct the field work.
7. Prepare a final draft of the environmental assessment document; distribute this for comments.
8. Publish.

D. This project is funded at \$1.3 million/year, starting in April, 1975, and continuing for three years.

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II. Status of Minnesota Survey of Volatile Media (Continued)

- E. In 1975, nineteen preliminary documents and four completed documents were published, and five sampling programs were undertaken. There are about forty sources in various stages of investigation now, including:

1. Acrylonitrile
2. Phthalic Anhydride
3. Carbon Black
4. Maleic Anhydride
5. Acrylic Acid
6. Coal Fired Industrial & Commercial Boilers
7. Oil Fired Industrial & Commercial Boilers
8. Fuel Burning Stationary Engines - Reciprocating
9. Fuel Burning Stationary Engines - Turbine
10. Fertilizer Mixing Plants
11. Ammonium Nitrate
12. Ammonia
13. Ethylene & Propylene Rubber
14. Ethylene Dichloride
15. Varnish Manufacture
16. Solvent Evaporation - Degreasing
17. Rubber Processing
18. PVC
19. Polychloroprene
20. Flat Glass Manufacture
21. Barium Chemicals
22. Lead Acid Battery Manufacture
23. Zinc Oxide
24. Lead Chemistry
25. Coal Storage Piles

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