ENVIRONMENTAL PROTECTION AGENCY
NATIONAL ENVIRONMENTAL RESEARCH CENTER
CINCINNATI, OHIO 45268
December 6, 1971

Mr. P. G. Benignus, Chairman
ANSI C107 Steering Committee
Monsanto Company
800 North Lindbergh Boulevard
B-2 South
St. Louis, Missouri 63166

Dear Mr. Benignus:

Mr. Al Salazar has asked that I prepare a brief outline of the Environmental Protection Agency's (EPA) National Disposal Site (NDS) study so that this information will be available for the December 15 meeting of the two working groups. As I stated at the November 11 C107 meeting, the project deals with the problems of disposing of hazardous waste materials. Congress has mandated this work in Section 212 of the Resource Recovery Act of 1970 (enclosed).

In-house efforts, interagency agreements, and contracts will be used to accomplish the six enumerated goals in Section 212 of the Act. The following are tasks that will have to be performed in order to complete this project:

1. Hazardous Waste Survey

A contract was let July 1, 1971 to Booz-Allen Research, Inc. to prepare a list of hazardous wastes which should be subject to special disposal techniques. The locations, quantities, and generation rates of these materials will be included as part of the listing.

2. Recommended Methods of Disposal

Final steps are being taken to award a contract for this task. Methods of reduction, neutralization, recovery, or disposal of the materials listed in task 1 will be recommended.

3. Inventory of Potential Sites

The physical, hydrological, chemical, climatological, demographical, etc., requirements necessary for various acceptable methods

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will be listed and an inventory made of those available sites satisfying these requirements.

4. Functional Makeup

Based upon the recommended disposal methods, the functional make-up designs for model disposal sites will be developed inclusive of necessary equipment, physical layout, safety requirements, and costs on a unit basis.

5. Cost-Sharing Plan

Using the projected unit costs from the functional design, an investigation will be made of equitable cost-sharing programs, incentives, tax shelters, subsidies, loans, etc.

6. Public Acceptance Plan

Attitudinal research will be conducted to develop a public awareness program for the dissemination of information on hazardous wastes, their undesirable effects, and the necessity of a system of sites to properly handle these wastes.

7. Required Legislation

An investigation will be made of the existing legal bases and additional legislation necessary to implement the proposed system of sites.

8. Computer Model

A mathematical model will be developed to optimize the location of NDS based upon quantities, locations, generation rates, transportation distances, etc.

9. Report to Congress

All the information generated in the above listed tasks will be used to prepare a final report to Congress. The report will deal with the feasibility of National Disposal Sites and will outline research needed to develop techniques for handling those wastes for which we presently have no adequate means of disposal.

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If you need any further information, please feel free to contact me.

Sincerely yours,

Henry Johnson

Henry Johnson
Acting Project Manager
Hazardous Wastes Project

Enclosure

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