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**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT SEMI-ANNUAL
POLYCHLORINATED BIPHENYL STATUS REPORT, JULY 1995**

07/17/95

DOE-1224-95
DOE-FN USEPA
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REPORT



Department of Energy
 Fernald Environmental Management Project
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JUL 17 1995

DOE-1224-95

Mr. Tony Silvasi
 PCB Control Section (SP-14J)
 U. S. Environmental Protection Agency
 230 South Dearborn
 Chicago, Illinois 60604

Dear Mr. Silvasi:

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT SEMI-ANNUAL POLYCHLORINATED BIPHENYL STATUS REPORT, JULY 1995

- Reference: 1) P. A. Reed (U.S. EPA-V) to R. E. Tiller, "Notice of Noncompliance for Polychlorinated Biphenyls (PCB) Storage," dated February 26, 1992
- 2) W. Quaidier to T. Silvasi, "Semi-Annual PCB Status Report, January 1995," dated January 5, 1995

The purpose of this letter is to transmit the Fernald Environmental Management Project (FEMP) Semi-Annual Polychlorinated Biphenyl (PCB) Status Report to the U.S. Environmental Protection Agency (U.S.EPA) Region 5, pertaining to PCB activities from the period of January 1995 through June 1995. In Reference 1, USEPA Region 5 requested the Department of Energy, Fernald Area Office (DOE-FN) to provide a Semi-Annual Status Report detailing the efforts undertaken to dispose of PCBs and PCB items at the Fernald Environmental Management Project (FEMP). This report will update the status of the PCBs and PCB items identified in Reference 2.

Background

A USEPA representative conducted an inspection of the FEMP site on August 20, 1991, to determine compliance with the Toxic Substances Control Act (TSCA) regulations set forth in 40 Code of Federal Regulations Part 761 in regard to the management of PCBs. On November 14, 1991, the USEPA issued to the FEMP a Notice of Noncompliance (NON) for storing PCB containers in excess of one year, which is a violation of 40 CFR 761.65(a). In response to the NON, the Department of Energy, Fernald Area Office (DOE-FN) described the limited treatment and disposal options for radioactively contaminated PCBs. As a follow-up action, the USEPA requested that DOE-FN submit a Semi-Annual PCB Status Report for the three waste categories: (1) Radioactively Contaminated PCB Liquids; (2) Radioactively Contaminated PCB Solids; and (3) Non-Radioactively Contaminated PCB Solids for Commercial Disposal.

PCB Inventory

The FEMP currently has 244 drums of PCBs and PCB items identified in its PCB inventory. There are 20 drums of radioactively contaminated PCB liquids in storage for disposal. These additional drums are further discussed later in this document.

A breakdown of the inventory of PCB drums in storage for disposal is provided below:

| | |
|---|------------------|
| Radioactively Contaminated PCB Solids | 224 Drums |
| Radioactively Contaminated PCB Liquids | 20 Drums |
| Non-Radioactively Contaminated PCB Solids | <u>0 Drums</u> |
| TOTAL | 244 Drums |

Radioactively Contaminated PCB Liquids

There have been no changes in the status of radioactively mixed PCB liquids since the Semi-Annual PCB Status Report, January 1995 was submitted. Twenty drums are scheduled to be incinerated in the Toxic Substance Control Act (TSCA) Incinerator at the Oak Ridge Facility in Oak Ridge, Tennessee. The PCB drums are stored in a FEMP warehouse (Building 81) in compliance with the regulations set forth in 40 CFR 761.65. Disposal of the twenty drums or radioactively contaminated PCB liquids is scheduled to be pursued in conjunction with Removal Action No. 9, Removal of Waste Inventories.

Discussions have been initiated and will continue with personnel from Oak Ridge who operate the TSCA Incinerator. Based on these discussions, these twenty drums of radioactively contaminated PCB liquids have been tentatively placed on the DOE burn schedule for disposal in 1995.

Radioactively Contaminated PCB Solids

There have been no changes in the status of radioactively contaminated PCB solid items since the last Semi-Annual PCB Status Report January 1995 was submitted. There are 224 drums of radioactively contaminated PCB solids in the FEMP PCB inventory. Radioactively contaminated PCB solid items include, but are not limited to, soil, trash, debris, and electrical equipment that cannot be radiologically decontaminated. All radioactively contaminated PCBs and PCB items (solids) are stored in a FEMP warehouse (Building 81) in compliance with the regulations set forth in 40 CFR 761.65. Radioactively contaminated PCB solids have no current treatment and/or disposal options and will remain in storage until treatment/disposal capacity is available. Mixed waste treatment technology developed under the Federal Facilities Compliance Act (FFCA) is being considered for treatment of radioactively contaminated PCB solids.

PCB Actions

As stated above, the radioactively contaminated PCB liquids are to be incinerated in the TSCA incinerator at the Oak Ridge facility. Shipment of PCB liquids to the incinerator is scheduled for late in calendar year 1995. Meanwhile, all radioactively contaminated PCBs and PCB items are being stored and managed in a storage facility (Building 81) and will continue to remain in such storage until viable disposal options of radioactively mixed PCBs have been determined.

If you have any further questions concerning this letter the proposed action, please contact Ed Skintik at (513) 648-3151.

Sincerely,


Jack R. Craig
Director

FN:Skintik

cc:

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