

PA.4-2

FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM

ELIMINATION REPORT

FOR

WESTINGHOUSE ATOMIC POWER DEVELOPMENT PLANT

EAST PITTSBURGH PLANT

FOREST HILLS

PITTSBURGH, PENNSYLVANIA

Department of Energy

Office of Nuclear Energy

Office of Remedial Action and Waste Technology

Division of Facility and Site Decommissioning Projects

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ELIMINATION REPORT
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INTRODUCTION

The Department of Energy (DOE), Office of Nuclear Energy, Office of Remedial Action and Waste Technology, Division of Facility and Site Decommissioning Projects (and/or predecessor agencies, offices and divisions, has reviewed the past activities of the Manhattan Engineer District (MED) and the Atomic Energy Commission (AEC) at the Westinghouse Atomic Power Development Plant, East Pittsburgh Plant, Forest Hills, Pittsburgh, Pennsylvania. On the basis of a preliminary radiological survey of the site, DOE has determined that the conditions at this site are in compliance with current radiological guidelines and standards and that no potential for radiological exposure exists beyond those resulting from natural background. Therefore, this site requires no remedial action and will not be included in the Formerly Utilized Sites Remedial Action Program.

This report presents information supporting the determination that the radiological conditions at the Westinghouse Atomic Power Development Plant are in compliance with current DOE radiological guidelines and standards¹ and provides assurance that use of the site will not result in any measurable radiological hazard to site occupants or the general public.

¹ U.S. Department of Energy Guidelines for Residual Radioactivity at Formerly Utilized Sites Remedial Action Program and Remote Surplus Facilities Management Program Sites (Rev. 1, July 1985).

This elimination report will be archived by DOE through the Assistant Secretary for Management and Administration. A copy of this package will be available for public review between 8:00 a.m. and 4:00 p.m., Monday through Friday (except Federal holidays), at the DOE Public Document Room located in Room 1E-190 of the Forrestal Building, 1000 Independence Avenue, SW., Washington, D.C.

BACKGROUND

Site Function

Westinghouse Atomic Power Development Plant, Pittsburgh, Pennsylvania, prepared uranium metal for Enrico Fermi's Stagg Field experiment, and conducted research and development and pilot-scale production of uranium oxide fuel elements. The activities involved uranium separation using a laboratory-scale magnetron. A number of MED contracts with Westinghouse have been identified, but it is not clear which ones applied to the work performed at this facility.

Site Description

This facility, owned and operated by the Westinghouse Electric Corporation, is located near Route 30 in East Pittsburgh (Forest Hills) (Figure 1). The area used in the project was located in "L" Building and was designated Lab 2L. Renovations to the lab were underway at the time of the survey visit in October 1976.

Radiological History and Status

Westinghouse personnel indicated that the area used was cleaned, and tools and equipment had been decontaminated, sealed in drums, and shipped to other locations when the project ended. At the time of the cleanup, an AEC industrial hygiene group surveyed and cleared the site, but no records are available. On October 22, 1976, Oak Ridge

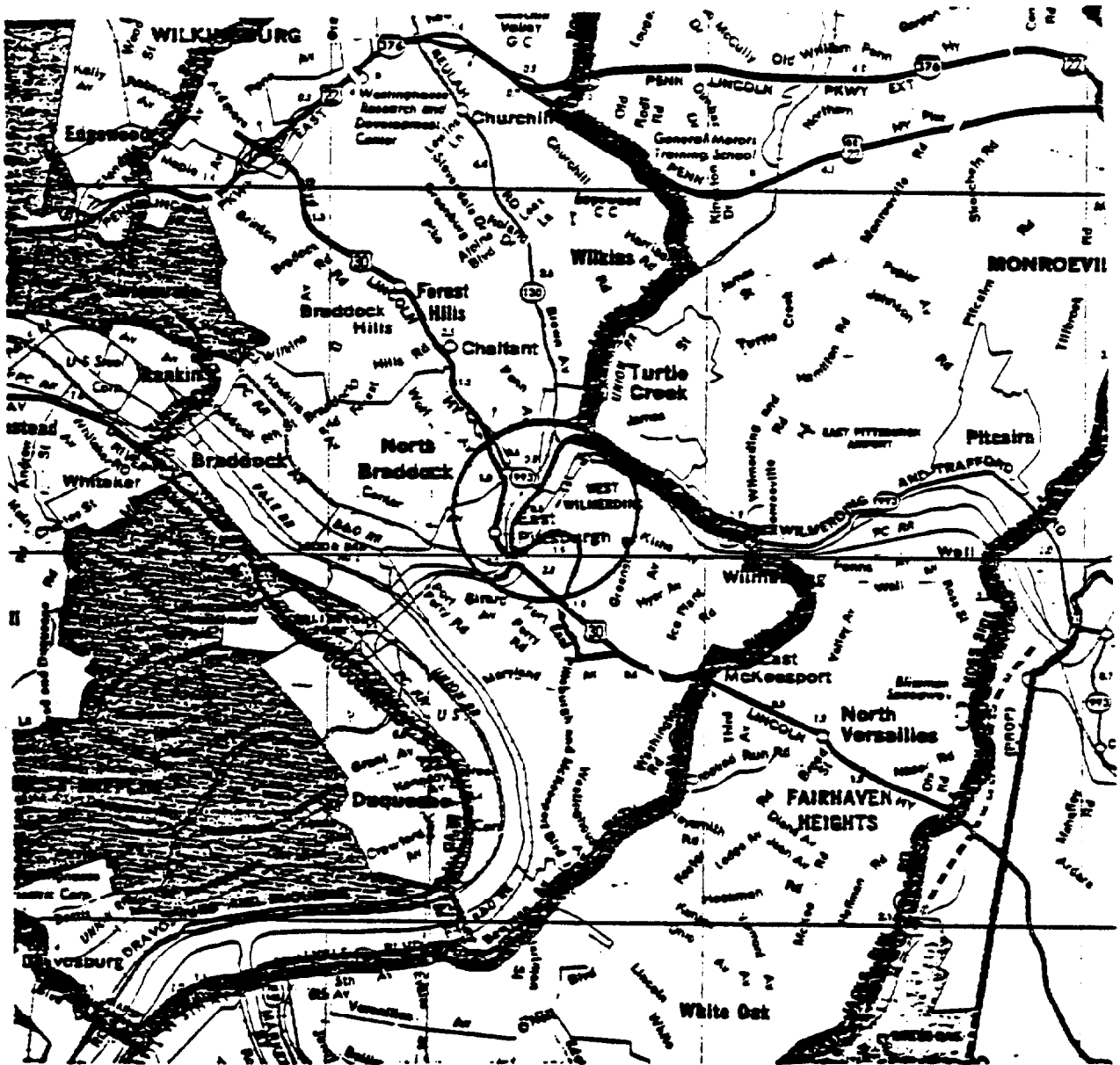


Figure 1. Location of the Westinghouse Electric Corporation Plant in East Pittsburgh, PA

National Laboratory (ORNL) personnel surveyed "L" Building, including the original brick and wooden floors and brick wall. The survey indicated alpha and beta measurements were within background levels and the maximum gamma measurement was 6 microroentgens/hour.

ELIMINATION ANALYSIS

The ORNL radiological survey of the plant found that radiation levels on all surfaces surveyed were typical of natural background for the area, demonstrating that the building used for the MED work was adequately decontaminated. The equipment used for the project had been decontaminated or shipped to other locations for disposal when the project ended. Therefore, no significant quantity of radioactive material from the MED operations remains at this site. Based on the information summarized in this report, DOE's Division of Facility and Site Decommissioning Projects has determined that no remedial action is necessary at this site and has eliminated the Westinghouse Atomic Power Development Plant from further consideration under the Formerly Utilized Sites Remedial Action Program.

REFERENCES

- o Oak Ridge National Laboratory, "Preliminary Survey of Westinghouse Electric Corporation, East Pittsburgh, Pennsylvania," March 1980.