



Department of Energy
Washington, D.C. 20545

AUG 12 1981

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Mr. Robert M. Quillin
Radiological Health Program Director
Ohio Department of Health
P.O. Box 118
Columbus, Ohio 43216

Dear Mr. Quillin:

In response to your letter of June 29, 1981, I am providing information on the two FUSRAP sites in Ohio. These two sites are the Clecon Metals, Inc. site and the Harshaw Chemical Company site, both in Cleveland, Ohio.

Summaries of information on these two sites are enclosed herewith. More detailed radiological survey information on the Clecon site is in the report DOE/EV-0005/10 "Radiological Survey of the Former Horizons, Inc. Metal Handling Facility, Cleveland, Ohio," February 1979 which should be requested from Dr. W. E. Mott, Office of Operational Safety. A summary report on the Harshaw site is not yet available.

The Department of Energy does not have authority to perform remedial action at these two sites. We are planning to conduct a preliminary engineering study of the Clecon site to provide further planning information on remedial action options and costs. Negotiations with the tenant (Lamotite) and the owner (Clecon) are underway to obtain their permission for access to the site for this study. We expect to complete the study by September 1982 if we receive permission for it.

We may schedule a similar preliminary engineering study of the Harshaw site, if funds are available, after the completion of the radiation survey and evaluation by the Department's Office of Operational Safety, now scheduled for fall 1981. That office is conducting additional radiation surveys of the Harshaw site in the area around the river bank and the river sediment.

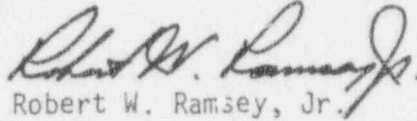
Mr. E. L. Keller, Director, Technical Services, Oak Ridge Operations Office (telephone number 615-576-0947), who has responsibility for accomplishing the preliminary engineering study of the Clecon site, will keep you informed

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regarding the progress at that site. Dr. W. E. Mott, Office of Operational Safety (telephone number 301-353-3016) will inform you of progress at the Harshaw site.

Sincerely,



Robert W. Ramsey, Jr.
Program Manager
Remedial Action Program
Nuclear Waste Management
and Fuel Cycle Programs
Office of Nuclear Energy

Enclosures

CLECON METALS, INC.
(The Former Horizons, Inc.)
Cleveland, Ohio

Site Function

During the 1940s and early 1950s, two buildings at the Horizons metal handling facility were used for the production of granular thorium metal. The feed material, thorium nitrate tetrahydrate, was processed through a number of steps and ultimately converted to thorium metal by use of an electrolytic process.

Site Description

This site is located at 2905 East 79th Street in Cleveland, Ohio. There are three buildings on this site, two of which (B and C) were used for the production of granular thorium metal. Building B is presently used for storage of nonradioactive material. Building C is used for receiving and storing nonradioactive material and also contains several offices. Much of the potentially contaminated material associated with these buildings has been removed or covered as a result of substantial construction modifications since the thorium operations. Building C has been extended over what was formerly a contaminated alley. Also, sections of walk, floors, and ceilings in Buildings B and C have been repaired or replaced. This material is probably untraceable.

These buildings are located in an industrial area that is presently sparsely populated. A few buildings are located on property adjacent to this site.

Owner History

The buildings at this site are presently occupied by Clecon Metals, Inc. This firm employs approximately 60 workers (mostly in Building C) for the production of gaskets and for the lamination of various materials.

Radiological History and Status

An air hygiene survey performed in December 1954 by the Atomic Energy Commission detected concentrations of airborne thorium above background in both Buildings B and C. The survey results indicated a potential for contamination of overhead and upper wall surfaces due to airborne thorium, and contamination of floors and lower walls was possible from the routine handling of thorium.

Because the radiological records of the Atomic Energy Commission contract termination remaining in the files were inadequate to evaluate the status of this facility, Oak Ridge National Laboratory conducted a radiological resurvey during February 7 to 18 and March 21 to 22, 1977.

The results showed that alpha and beta-gamma contamination levels exceeded applicable guideline limits in some areas of Buildings B and C. External gamma radiation levels approximately 10 times the average background level were measured at isolated points in and near Building B. Lead-212 concentrations in the air in Building B were near the radioactivity concentration guide level.* Most of the elevated radiation levels were found indoors in areas presently used for storage. Outdoors, above-background radiation levels were found only near the east wall of Building B.

The radiological survey report was completed in February 1979. On December 19, 1979, The Office of Environment notified the Office of Nuclear Energy that the former Horizons, Inc., site required consideration for remedial action. The Office of Nuclear Energy is currently in the process of determining and reviewing remedial action options.

* Title 10, Code of Federal Regulations, Part 20, Standards for Protection Against Radiation.