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**INACTIVE FLYASH PILE AND OTHER SOUTHFIELD  
DISPOSAL AREAS ISOLATION ACTION NUMBER 8**

**06-29-92**

**DOE-2016-92**

**DOE-FN/EPA**

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**LETTER**



Department of Energy

Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
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JUN 29 1992  
DOE-2016-92

Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V - 5HRE-8J  
77 W. Jackson Boulevard  
Chicago, Illinois 60604-3590

Mr. Graham E. Mitchell, Project Manager  
Ohio Environmental Protection Agency  
40 South Main Street  
Dayton, Ohio 45402-2086

Dear Mr. Saric and Mr. Mitchell:

**INACTIVE FLYASH PILE AND OTHER SOUTHFIELD DISPOSAL AREAS ISOLATION ACTION,  
REMOVAL ACTION NUMBER 8**

The Inactive Flyash Pile Control, Removal Action Number 8, was completed on December 23, 1991. This activity was conducted in accordance with an approved United States Environmental Protection Agency (U.S. EPA) Work Plan and was completed three days ahead of schedule. This activity included the posting of warning signs and the installation of a plastic chain link barrier. However, the U.S. EPA and Ohio Environmental Protection Agency letters approving the work plan suggested further action, as part of a second phase to the removal action (Removal Action Number 23), to evaluate and address the contaminated soils from two specific areas with an elevated level of radiological contamination and develop a schedule for work plan submittal if required.

During the week of January 6, 1992, the Department of Energy (DOE-FN) and WEMCO personnel evaluated the two specific locations (24-081 and 24-241) with a FIDLER probe. One area contained contaminated debris, an approximately one gallon clear plastic bag of soil. The other area did not exhibit elevated levels of radiological contamination. It was determined that an additional radiological field survey for the Inactive Flyash Pile and Other Southfield Disposal Areas would be prudent.

The additional survey was conducted in two phases. The first phase was a general walk over with radiological field instruments to determine the Fernald Environmental Management Project site specific Health and Safety action levels. After the completion of this phase, additional areas were detected

with levels higher than 1000 disintegrations per minute per 100cm<sup>2</sup>, which is a site specific action level to install magenta rope and post radiological signs for regulated areas. The perimeter of the entire Inactive Flyash Pile and Other Southfield Disposal Areas was posted with radiological signs and magenta rope as a controlled radiological area on February 12, 1992.

The second phase was a detailed gridded radiological characterization survey (see enclosure). The review of the results of the survey identified a total of eight areas that had 1000 or more disintegrations per minute. The eight localized areas were roped and posted as regulated areas within the controlled area, further reducing access. Two of the eight regulated areas (Numbers 1 and 4) contained debris that was removed under best management practices on June 24, 1992.

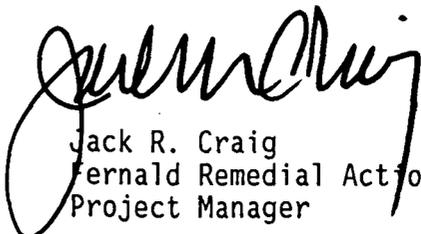
After this action, the remaining contamination for all the eight areas was determined to be fixed within the soil with a thick vegetative cover present. Given these facts, an immediate threat of release to the environment is unlikely.

As a result of the various activities conducted in the Inactive Flyash and Other Southfield Disposal Areas, the objective to prevent unauthorized intrusion and access into radiological surface soil contamination areas has been met. These activities include the posting of standard warning signs and the installation of a plastic chain link barrier, the posting and roping of this entire area as a radiologically-controlled area, and the posting and roping of specific areas as regulated.

For the above reasons, the DOE-FN has determined that additional action is not merited at this point in time and the remaining fix radiological contamination will be addressed during the Remedial Design and Remedial Action process.

If you or your staff have any questions, please contact Johnny Reising at FTS/ Commercial (513) 738-9083.

Sincerely,



Jack R. Craig  
Remedial Action  
Project Manager

FN:Reising

Enclosure: As Stated

cc w/enc.:

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