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Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

ANALYTICAL RESULTS FROM SOUTHERN WASTE UNIT 5-45 AND SOUTHERN WASTE UNIT 5-46 OF THE AREA 2, PHASE I ABOVE-WASTE ACCEPTANCE CRITERIA AREA

Since submittal of the Area 2, Phase I (A2PI) Integrated Remedial Design Package (IRDP) Addendum, two additional borings were completed in the A2P1 above-Waste Acceptance Criteria (WAC) area. These borings (Southern Waste Unit (SWU) 5-45 and SWU 5-46) were completed on June 22, 1998, in response to the elevated Kinetic Phosphorescence Analysis (KPA) results of the split samples taken by the Ohio Environmental Protection Agency (OEPA) on April 15, 1998 to:

- Verify OEPA split sample results from SWU 5-41 (completion of SWU 5-45)
- Determine northernmost above-WAC boundary (completion of SWU 5-46)

SWU 5-45 was completed at a depth of 19.5 feet. Beta-gamma scans did not detect any activity above background for any 6-inch interval. Samples were submitted from intervals 22 (10.5-11.0 feet), 23 (11.0-11.5 feet), and 24 (11.5-12 feet) for total uranium analysis; all other intervals were archived. These sample intervals were selected to correspond with the split sample interval for SWU 5-41 (surface elevation difference between SWU 5-41 and SWU 5-45 is 1 foot; SWU 5-41 is the higher elevation). Total uranium concentrations in SWU 5-45 ranged from 18.6 milligrams per kilogram (mg/kg) in interval 24 (11.5 to 12 feet) to 92.6 mg/kg in interval (11-11.5 feet).

Recycled and Recyclable

SWU-5-46 was completed at a depth of 16 feet. Beta-gamma scans detected three 6-inch intervals at or above 100 corrected counts per minute (ccpm):

- Interval 19 (9.0-9.5 feet) = 100 ccpm
- Interval 20 (9.5-10.0 feet) = 150 ccpm
- Interval 21 (10.0-10.5 feet) = 100 ccpm

These intervals, as well as the intervals immediately above and below [interval 18 (8.5-9.0 feet) and interval 22 (10.5-11 feet)], were submitted for total uranium analysis. All other intervals were archived. Total uranium concentrations in SWU 5-46 ranged from 9.4 mg/kg in interval 18 (8.5-9.0 feet) to 377 mg/kg in interval 20 (9.5-10.0 feet).

According to our agreement on this issue, as discussed in the June 23, 1998, weekly conference call, the above-WAC area in the Inactive Flyash Pile is now bounded and the excavation drawing included in the A2PI IRDP Addendum does not change. As a result, the Fernald Environmental Management Project (FEMP) initiated excavation activities on July 2, 1998, with efforts focused on the transitioning of Soil Pile Number 5 to the above-WAC storage pile, Soil Pile Number 7.

If you have any questions, please contact Robert Janke at (513) 648-3124.

Sincerely,

Johnny Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:R.J. Janke

cc:

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