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Department of Energy
Washington, DC 20585

May 22, 2014

Mr. Timothy Fischer
U.S. Environmental Protection Agency
Region V-SRF-6J
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Mr. Thomas A. Schneider
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402

Dear Mr. Fischer and Mr. Schneider:

SUBJECT: Paddys Run Streambank Stabilization West of Former Waste Pit 3

The purpose of this letter is to inform you of the need for a streambank stabilization project at the Fernald Preserve, along a stretch of Paddys Run. The bank stabilization effort is required to prevent migration of Paddys Run into a swale area west of Former Waste Pit 3. The swale area is the location of elevated concentrations of total uranium in puddles of surface water that were discovered in late 2006 as part of sampling for the Interim Residual Risk Assessment. As agreed to with EPA and Ohio EPA, weekly sampling at two locations in the "Pit 3 Swale" has been conducted since 2007, following a maintenance action in the area. The issue was identified in Section 7.2 of the 2011 CERCLA Five-Year Review Report, and monitoring results for the 2 locations are presented annually in the Site Environmental Report.

The streambank erosion was identified and communicated to Ohio EPA in early March and was highlighted during the quarterly site inspection on March 10. Subsequent analysis indicates the streambank in this area has moved toward the swale approximately 13 feet since 2012. Additional migration of Paddys Run toward the swale will create an unacceptable condition where water in the swale could flow into the stream during low flow conditions. Therefore, this condition is being addressed pursuant to Section 7.1 of the Legacy Management and Institutional Controls Plan. Immediate action is needed to prevent further migration east into the swale area. A conceptual design that presents a range of alternatives will be available in June 2014, with field implementation planned for September 2014.

DOE is committed to keeping stakeholders informed of planning and implementation, and will seek concurrence on the preferred alternative and the final design. Because of the need to implement in September, review and decision making will need to be expedited. DOE would like to meet with EPA and Ohio EPA in June to discuss the alternatives and decide on the alternative that will be pursued. Please let me know your availability the week of June 16.



Mr. Timothy Fischer
Mr. Thomas Schneider
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If you have any questions or require additional information, please call me at (513) 648-3333.
Please send any correspondence to:

U.S. Department of Energy
Office of Legacy Management
10995 Hamilton-Cleves Hwy.
Harrison, OH 45030

Sincerely,


Gwendolyn Hooten
Fernald Preserve Site Manager
DOE-LM-20.2

cc:
K. Reed, DOE
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J. Homer, Stoller
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Project Record File FER 115.02.05(A) (thru B. Irvine)
Administrative Records (thru B. Irvine)