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August 7, 1998

Mr. Tom Pauling
U.S. Department of Energy
Weldon Spring Remedial Action Project
7295 Highway 94 S.
St. Charles, MO 63304

Dear Mr. Pauling,

As requested, we have performed a post-cleanup evaluation of human health risks in the Southeast Drainage using the post-remediation data. The purpose of the evaluation is to determine the amount of risk reduction achieved by the removal action. The removal action targeted contaminated sediment in accessible areas of the drainage, removing as much contaminated sediment as possible without causing extensive ecological drainage. Thirty-eight locations were targeted for removal in the *Engineering Evaluation Cost Analysis* prepared for the drainage. An additional seventeen locations in the lower reaches of the drainage were determined to be accessible during the field planning stage and were also remediated

The results of the post-cleanup assessment (as detailed in the Attachment) indicate that risk reduction was achieved in each segment of the drainage. At locations where sediment was removed, levels remaining after cleanup are near or below the 1×10^{-6} risk level for the hypothetical child scenario.

If you have any questions or comments, please do not hesitate to call

Sincerely,

Mary Picel
Argonne National Laboratory

Enclosure (1)

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