

U.S. Department of Energy
Public Notice

**Explanation of Significant Differences for Solid Waste Management Unit 211-A
of the Southwest Plume Sources at the Paducah Gaseous Diffusion Plant**

The U.S. Department of Energy (DOE), with the U.S. Environmental Protection Agency (EPA) and the concurrence of the Commonwealth of Kentucky, developed an explanation of significant differences to document changes to the remedy selected for Solid Waste Management Unit (SWMU) 211-A at the C-720 Maintenance & Storage Building contained in the *Record of Decision (ROD) for Solid Waste Management Units 1, 211-A, 211-B, and Part of 102 Volatile Organic Compound Sources for the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-0365&D2/R1. The final remedial action selected is source treatment using Enhanced *In Situ* Bioremediation with Land Use Controls that include warning signs. As a result of additional sampling, the area requiring treatment is approximately 10 times larger than originally included in the 2012 ROD. The increase in treatment volume resulted in an increased project cost to \$10M as compared to the \$3.7M estimated in the 2012 ROD.

DOE, EPA, and Kentucky Department for Environmental Protection have agreed that treatment of the larger area is necessary to ensure protection of human health and the environment. Treating the larger area does not change the overall cleanup approach specified in the ROD and, it achieves the objectives identified in the ROD. These changes are explained further in the *Explanation of Significant Differences (ESD) to the Record of Decision for Solid Waste Management Units 1, 211-A, 211-B, and Part of 102 Volatile Organic Compound Sources for the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2480&D2. The ESD is available in the Administrative Record and Information Repository at the DOE Environmental Information Center and at the Special Collection section of the McCracken County Public Library.

**DOE Environmental Information Center
Emerging Technology Center—Room 221
5100 Alben Barkley Drive, Paducah, KY 42001
(270) 554-3004
Hours: Monday–Friday, 8:00 a.m.–12:00 p.m.
<https://eic.pad.pppo.gov/>**



E *M* Environmental Management

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