



Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

AUG 11 2011

Ms. Judy Clayton, Chair
Paducah Citizens Advisory Board
111 Memorial Drive
Paducah, KY 42001

PPPO-02-1200490-11

Dear Ms. Clayton:

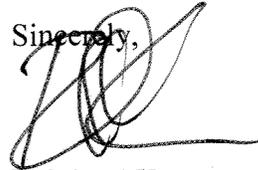
RESPONSE TO CITIZENS ADVISORY BOARD APPROVED RECOMMENDATION 11-02: IN-SITU BIOREMEDIATION AT THE OIL LAND FARM

The Department of Energy (DOE) is in receipt of Citizens Advisory Board (CAB) Approved Recommendation 11-02 dated April 21, 2011. The CAB recommendation states:

The CAB recommends that DOE pursue negotiations with EPA and DWM to implement in-situ bioremediation at the oil land farm. To support these recommendations, the CAB recommends that DOE provide a more detailed explanation of how in-situ bioremediation will be implemented that clearly demonstrates why the soil and geological characteristics will not be an issue. The explanation should differentiate why these same soil and geological characteristics are an issue for the alternatives that were screened out on that basis.

DOE appreciates the CAB support of using in-situ bioremediation at the oil land farm, however since approval of the D2 Focused Feasibility Study by the U.S. Environmental Protection Agency (EPA) and the Kentucky Department for Environmental Protection (KDEP) on May 18, 2011, further discussion between the Federal Facility Agreement (FFA) parties has resulted in a mutually agreeable, but different, technical approach for remedy selection for the Southwest Plume Sources. A revised D2 Proposed Plan, submitted to EPA and KDEP on June 22, 2011 reflects detailed interaction among the FFA parties documenting the revised remedy approach for Solid Waste Management Unit (SWMU) 1 and a modification to the remedy approach for the C-720 Northeast and Southeast sites. For SWMU 1 the FFA parties have identified Alternative 3, *In Situ* Chemical Source Treatment using Deep Soil Mixing as an appropriate combination of technologies based on trichloroethylene mass at the site and the reduced timeframe for attainment of cleanup goals (25-67 yrs). This technology employs mechanical mixing of soils with the potential application of chemical amendments to achieve a high percentage of contaminant concentration reduction during remedy implementation in the short-term as well as post-implementation concentration reductions as a result of residual *in situ* chemical treatment.

DOE extends its appreciation to the CAB for their work on behalf of the community, your interest in finding the best alternative to meet the needs of all stakeholders, and your continued support of ongoing communication efforts between DOE, KDEP, and EPA. If you have any questions, or require additional information, please contact Buz Smith at (270) 441-6821.

Sincerely,


Reinhard Knerr
Paducah Site Lead
Portsmouth/Paducah Project Office

e-copy:

claytonjm@pgdp.usec.com, CAB/PAD
eric@pgdpcab.org, EHI/PAD
lauren@pgdpcab.org, EHI/PAD
pad.dmc@swiftstaley.com, SST/Kevil
reinhard.knerr@lex.doe.gov, PPPO/PAD
robert.smith@lex.doe.gov, PPPO/PAD