



West Lake Update

August 11, 2016

Community Dialogue Preview: A Discussion about Full and Partial Excavation Alternatives

In March of this year, EPA began hosting a series of Community Dialogue meetings in Bridgeton to discuss the remedial options being developed for the West Lake Landfill. The most recent meeting focused on the 2008 Record of Decision and the “cap in place” remedy. The next meeting on August 15 will focus the discussion on full and partial excavation alternatives that will be evaluated in the Final Feasibility Study (FFS). It is important to note that a draft FFS has not yet been submitted to EPA. The discussion at the August 15 meeting will provide a general overview of what the FFS is expected to include.



At the West Lake Landfill, EPA is currently evaluating several potential alternatives to address radiologically impacted material (RIM) in soils. Those alternatives include: a “cap in place” remedy; full excavation and removal of RIM from the site; and partial excavation scenarios for the removal of RIM from the site.

Partial Excavation and Removal Alternatives

At least two partial excavation alternatives will be included in the FFS. Any soil excavated and removed during a partial excavation alternative would be disposed of off-site. The partial excavation alternatives currently under consideration include:

- Partial Excavation of some RIM down to a maximum depth of 16 feet depending on radioactivity levels (the radioactivity level of RIM to be removed will be defined in the Final Feasibility Study).
- Partial Excavation of RIM contained within the landfill with concentrations above a certain radioactivity level regardless of depth (the radioactivity level of RIM to be removed will be defined in the Final Feasibility Study).
- The PRPs may submit additional partial excavation alternatives for EPA to consider.

Full Excavation and Removal Alternative

- EPA is also evaluating full excavation of all RIM

Other Alternatives in the Final Feasibility Study

- No Action (National Contingency Plan required)

- Cap in Place (update of 2008 Remedy Decision)

What to Expect in the FFS

The FFS will include a detailed explanation of each alternative under consideration, and will provide a comparison of the alternatives against the criteria required by the NCP. The FFS will present narrative evaluations of each criteria for every alternative, and will also include tables to summarize the comparison of alternatives.

As part of the evaluation of these alternatives, expect to see discussion of some of the following site specific issues:

- Implementation Challenges
 - ◇ Odors
 - ◇ Handling and transportation of excavated materials
 - ◇ Control of fugitive dust
 - ◇ Potential exposure risks for on-site workers
- Evaluation of potential impacts of a Sub-surface Smoldering Event within OU-1 Bird strike hazards and mitigation
- Evaluation of possible effects of a natural disaster such as tornado, flood or earthquake
- Evaluation of mobility of RIM

Meeting Information

The meeting will be held at the Bridgeton Recreation Center, 4201 Fee Fee Road, Bridgeton, Mo. The Open House will begin at 5:00 p.m. with representatives from EPA, U.S. Army Corps of Engineers, Agency for Toxic Substances and Disease Registry, St. Louis County Health Department, Missouri Department of Natural Resources, and the Missouri Department of Health and Senior Services. The Dialogue Meeting will begin at 6:00 p.m. and last until 8:00 p.m. In addition to the community dialogue about the excavation alternatives, EPA will also provide a site update.

Community Inquiries

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