

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

SUBJECT: Ballpark Estimate on Cost
and Duration for
Excavating, Removing and
Disposing of Asbestos-
Containing Material from
the BoRit Asbestos
Superfund Site

FROM: BoRit Asbestos Site Team

TO: BoRit Community Advisory Group

At the October 2012 CAG meeting, the CAG requested that the EPA prepare a “ballpark” estimate for the excavation, removal and disposal of the asbestos containing material (ACM) from the BoRit Site. In response, EPA has prepared preliminary cost and project duration estimates and assumptions that would be necessary for the removal of contaminated soil from the Site.

The Agency has based these estimates and assumptions on what is currently known about the nature of the Site and actions it has taken at various other sites where removal of soil has been investigated and actually done. Because a Feasibility Study has not yet been completed at the Site, in accordance with Section 300.430(e) of the National Contingency Plan (“NCP”), 40 C.F.R. § 300.430(e), this estimate is considered preliminary.

During the Feasibility Study, appropriate remedial alternatives will be developed, screened and evaluated in detail for the Site, using nine specific criteria including cost. As such, it should be assumed that the cost and time estimates presented here may change significantly with a more in-depth analysis of the Site, including construction planning and sequencing.

EPA estimates that the cost to excavate and remove the ACM from the BoRit Site would be approximately \$201,600,000, and that it would take up to 12 years to complete the project (if only one loading/unloading area is available as discussed below).

These estimates are based on, but not limited to, the following assumptions:

³⁵₁₇ Estimate includes the contractor’s direct (labor), indirect (trailer) and construction oversight/management costs. It does not include the contractor’s overhead and profit.

³⁵₁₇ The number of cubic yards of contaminated material to be excavated and removed is 125,000 cubic yards at the Pile Area, and 195,000 cubic yards at the Park Area. These figures are based on the Remedial Investigation estimates.

³⁵₁₇ Truck traffic is based on the number of trucks both coming and going from the Site. Trucks leaving the Site would be removing contaminated material, and trucks coming



onto the Site would be bringing in clean fill. Truck weight is limited to 15-20 tons due to load restrictions on local roads and small bridges, as well as proximity to residents.

³⁵₁₇ Truck traffic estimates are, therefore, as follows: If there were one loading/unloading area, 6 trucks per hour would move through the neighborhood during normal working hours. 12 trucks per hour would move through the neighborhood, if there were two loading/unloading areas.

³⁵₁₇ The contaminated material will not require pretreatment before being loaded onto trucks.

³⁵₁₇ Any wastewater generated will be treated and disposed of on-site.

³⁵₁₇ Reservoir work includes remediation outside of the reservoir bank areas only. Costs for any potential reservoir cleanup work itself have not been included.

³⁵₁₇ In addition to backfilling the Site with clean fill material, all the erosion controls, such as erosion control mats and vegetation, will have to be restored.

³⁵₁₇ Adequate landfill disposal space is available within a 60-90 minute drive of the Site.

³⁵₁₇ Operation and maintenance and periodic costs such as five-year reviews are not included.

