



Department of Energy

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

09/01/26

MEMORANDUM FOR FILE

SUBJECT: General Matter Parcel A Offsite Soil Removal

This memo, with attachment, documents the U.S. Department of Energy's supplemental analysis to evaluate if soil being placed offsite by General Matter meets recreational and residential regulatory risk standards.

In 2025, DOE prepared and U.S. Environmental Protection Agency, Region 4 (EPA Region R4) concurred, with input from the Kentucky Department for Environmental Protection (KDEP), on a leasing data package documenting environmental and risk conditions of 100 acres of land at the Paducah site to support a lease to General Matter (GeM). GeM will construct and operate a uranium enrichment plant to support new energy creation.

To prepare the site for future construction, GeM notified DOE of intent to move dirt from the lease area to a nearby, privately owned, offsite location. To support this need, DOE prepared an internal risk analysis to confirm the soil met recreational and residential risk standards. The attached supplemental analysis, which was shared with EPA Region 4 and KDEP, confirms that the soil is protective of human health and the environment.

Attachment:

Leasing Parcel A - Additional Resident-Recreation Risk Screening Rev 1