

By the Numbers Paducah Site

The Paducah Gaseous Diffusion Plant is a U.S. Department of Energy owned facility located in McCracken County, near Paducah, Kentucky, that enriched uranium from 1952 to 2013. It was the last government-owned uranium enrichment facility operating in the U.S. The Paducah plant produced low-enriched uranium originally as feedstock for military reactors and weapons refining and later for nuclear power fuel. During the 1960s, the plant took part in the Work for Others Program with projects for NASA, Oak Ridge National Laboratory, Sandia and others. The industrial area covers about 650 acres of a 3,556-acre site. Four process buildings cover 74 acres of the total site. Cleanup of the Paducah Site began in 1988, including remediation of groundwater, surface water, soil, burial grounds, and removal of inactive facilities.

642,599 pounds

of waste recycled in 2021, avoiding disposal.

Over 46,000 metric tons

of depleted uranium hexafluoride (DUF6), has been converted at Paducah. It is the mission of EM's two DUF6 plants in Ohio and Kentucky to convert DOE's ~800,000 metric-ton inventory of DUF6 into a more stable chemical form for beneficial reuse or other disposition.



Over the next decade

8.5M pounds of R-114 refrigerant targeted to be shipped offsite. To date, 2.8 million pounds have been shipped.

8.2M

cubic feet of waste, including 11,351 cubic feet of RCRA, PCB waste in 2020. If placed on a football field this waste would be more than 170 feet high (total waste).

4.8B gallons

of groundwater have been treated to remove contaminants using pump and treat technology, significantly reducing off-site groundwater contamination.

16 stages

removed from unit 6 of the C-333 Process Building to make way for the material sizing area (in the future this number can be tracked as segment components toward deactivation completion).



190+ borings

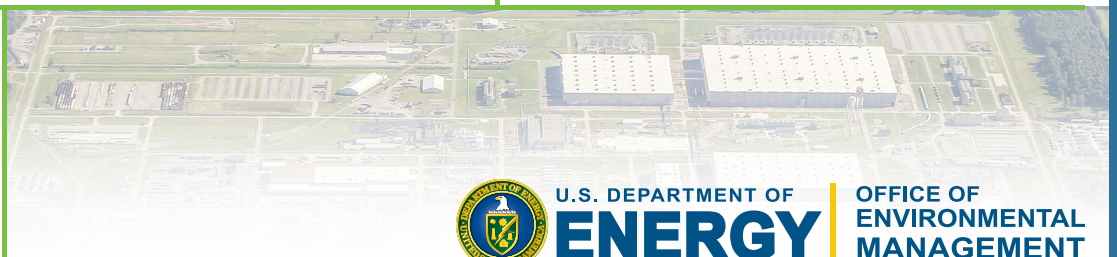
for the C-400 Complex Remedial Investigation/Feasibility Study to inform a CERCLA decision that will remediate the primary source of Trichloroethylene (TCE) at the site.

143

facilities, trailers and structures totaling more than 477,500 square-feet in area – have been demolished.

68.5M lbs

of scrap metal has been dispositioned from the site.



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