



By the Numbers Portsmouth Site

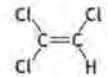
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In August 1952, the Atomic Energy Commission selected a tract of land in the Ohio Valley along the Scioto River in Pike County, Ohio, for the site of the Portsmouth Gaseous Diffusion Plant. In 1956, construction was complete and uranium enrichment was fully operational. In the 1960s, Portsmouth's mission changed from enriching uranium for nuclear weapons to one focused on producing fuel for commercial nuclear power plants and other national security applications. In 1989, an extensive environmental cleanup program began at the 3,777-acre federal plant site as a result of a Consent Decree signed between DOE and the state of Ohio and an Administrative Consent Order with DOE and the U.S. Environmental Protection Agency. In 2021, demolition began on the X-326 process building and the first waste was placed in the On-Site Waste Disposal Facility signaling the beginning of the most visually significant cleanup progress to date.

>955.2M gallons

of groundwater from four onsite plumes have been treated and are currently managed by pump and treat and slurry wall technology.

37,788 lbs



of trichloroethylene (TCE), a degreasing solvent used during production years to clean uranium enrichment process equipment, has been removed from groundwater.

>124M lbs

of total waste has been shipped/ disposed of offsite from the Portsmouth site to date.

38 facilities

demolished after first deactivating utilities and removing stored waste, materials, process equipment, and piping.

>26M lbs

of excess materials were diverted from landfills as a result of recycling. The Southern Ohio Diversification Initiative is the community reuse organization for the site through which the materials were successfully repurposed.



By 2030

DOE will complete demolition of the X-326 and X-333 Process Buildings, each measuring over 50 acres of floor area.

>706,000 square feet

of buildings demolished, eliminating contamination sources, improving worker safety, and reducing surveillance and maintenance costs.

>32,500 metric tons

of depleted uranium hexafluoride (DUF6) have been converted by the DUF6 conversion plant at Portsmouth in CY20. 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 use or other disposition.



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