



By the Numbers Portsmouth Site

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, operations began to provide enriched uranium for national security purposes. The Portsmouth plant and its sister facility in Paducah, Kentucky, worked in tandem to enrich uranium. The extensive environmental cleanup program began at the 3,777-acre federal plant site in 1989 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. Some key metrics related to the Portsmouth Site include:

>1,000.4M gallons

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

>37,924.8 pounds

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

>2,596,579

square feet of buildings demolished, reducing environmental liability, improving worker safety, and reducing surveillance and maintenance costs.

Over the next **9** years

the Portsmouth team will complete the deactivation and demolition of the X-333 process building, as well as initiate and complete the X-330 process building deactivation.



>463,000

bank cubic yards of soil from legacy groundwater plumes and landfills have been excavated for consolidation into the On Site Waste Disposal Facility.

>34M pounds

of excess materials were diverted from landfills as a result of recycling.

>43,086 metric tons

of depleted uranium hexafluoride (DUF6) have been converted by the DUF6 conversion plant at Portsmouth. A total of 3,423 cylinders have been processed into a more stable chemical form for beneficial use or other disposition.

>134,000

NDA measurements were completed for the characterization of the X-333 in preparation for demolition.

163,000 cubic yards

of debris from the successful demolition of the X-326 Building in the summer of 2023 has been successfully placed into the On Site Waste Disposal Facility.