



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. Some key metrics related to the Portsmouth Site include:

>50,000 metric tons of depleted uranium

hexafluoride (DUF6) have been converted by the DUF6 conversion plant at Portsmouth into a more stable chemical form for beneficial use or other disposition.

957,306 cubic yards of disposal

capacity with completion of the fourth of 10 waste cells at the On-Site Waste Disposal Facility (OSWDF).

>651,000 cubic yards of impacted debris and soil were placed and covered in the OSWDF.

Demolition began on X-333,

the second of three former uranium enrichment process buildings.

Over the next 6 years the Portsmouth team will complete the demolition of the 33-acre X-333 Process Building.

>2,762,670 square feet of buildings demolished,

which includes the X-326 Process Building, reducing environmental liability, improving worker safety, and reducing surveillance and maintenance costs.

>350 acres transferred

to the Southern Ohio Diversification Initiative, the local community reuse organization, for future use of the site, enabling U.S. jobs, energy and security.

>1 billion gallons of groundwater

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

>6 million cubic yards of soils

excavated/filled/reused to date in construction of the OSWDF.

>35 million pounds of excess materials

diverted from landfills as a result of recycling.

>37,960 pounds of trichloroethylene (TCE)

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

