

Groundwater Cleanup

FY12 (Oct 1, 2011 - Sep 30, 2012)

28.2 million gallons groundwater treated
332 pounds Trichloroethylene removed



Groundwater monitoring wells located outside the X-700 former decontamination facility



Virtual Museum Attracts World Audience

People from 45 different countries have visited the PORTS Virtual Museum (www.portsvirtualmuseum.org) since it launched earlier this year. The site went live on January 31, 2012 and has logged more than 8,000 visits and more than 52,000 pageviews since then. The site features information, photos, videos, newsletters, interviews with current and former employees and a virtual tour of the buildings. Information is added on a regular basis.



PORTSMOUTH GASEOUS DIFFUSION PLANT CLEANUP

Public Meeting, October 22, 2012

X-100 Administration Building Demolished

Building was Hub of Activity for Gaseous Diffusion Plant

Demolition of the Site's X-100 Administration Building took place in September as part of the U.S. Department of Energy's (DOE) Decontamination and Decommissioning (D&D) Project at the Portsmouth Site.

The X-100 building was a two-story building constructed in the 1950s with a concrete vault in the center surrounded by a core of offices and wings extending in four directions where hundreds of administrative personnel worked. Those with offices in the facility were moved into the newly constructed office trailer complex earlier this year.



Demolition began on the afternoon of September 11, 2012 on the east wing of the X-100 known as "Mahogany Row" where the Gaseous Diffusion Plant managers' offices were located.

Multiple crews worked simultaneously knocking down sections of the wings eventually meeting in the center to take down the concrete vault. The vast majority of the debris resulting from demolition which was not contaminated and considered sanitary waste was transported to a local landfill for disposal. Before demolition began, all asbestos-containing materials were removed including the transite siding on the exterior of the building as well as interior components including piping and flooring.

Records from the X-100 vault were safely relocated to the newly-constructed storage vault in the X-720 Building just weeks prior to the start of demolition.

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Science Alliance Draws Area High School Students

The Department of Energy (DOE) welcomed approximately 900 students, teachers and other personnel from high schools in the counties surrounding the Piketon plant during the third annual Science Alliance on September 25-26.

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X-100 (from front)

When the X-100 Building was initially constructed in the 1950s, it served as the headquarters for construction personnel to build the rest of the plant. Since then, it has served as the home to plant managers and administrative personnel, and several departments at the site including Human Resources, Engineering, Project Management, Nuclear Regulatory Affairs, Security and the Atomic Credit Union.



Before



After

New Gas-



New Gas-Fired Boiler

New Gas-Fired Boiler to Save Millions Annually

A new natural gas-fired steam plant was installed in August to replace the aging coal-fired plant which is scheduled to be shut down and demolished in the future. The new plant runs cleaner and costs less to operate. The new boiler system will reduce emissions and save the Department of Energy approximately \$2.2 million per year.

The new system will provide steam for continued operations on site including the American Centrifuge Plant, DUF6 Conversion as well as potential future users of the site.



Old Coal-Fired Boiler

Utilities for the Community

The Department of Energy (DOE) is working with community leaders to provide additional utilities such as water and sewer service to areas near the plant. DOE is connecting the site's wastewater treatment plant to the Pike County system to provide service to the Pike Manufacturing Park along Route 23. Additionally, DOE is donating four groundwater wells to the Village of Piketon to increase that community's access to water.



DOE's Wastewater Plant

Science Alliance (continued from front)



High school juniors from science and technology classes arrived each day to a midway of more than a dozen tents in one of the public parking lots at the plant. In the tents and surrounding areas, teams of presenters gave presentations about careers in fields pertaining to activities under way at the DOE Portsmouth site.

Presenters from DOE, Fluor-B&W, USEC/ACP, RSI, B&W Conversion Services, Ohio University, Shawnee State University, and Ohio EPA participated in the event.

DOE Opens Site for Public Tours

Tours for the general public were offered for the first time in the 60-year history of the former Gaseous Diffusion Plant in 2012. Tours were held one Saturday each month and booked up quickly due to popularity and limited space. If you are interested in going on a tour, call 740-897-2336.



Sandy Childers, who has spent years in the Public Affairs department on site, provides an interesting educational bus and walking tour.