

East Tennessee Technology Park Area: Zones 1 & 2

Is it safe?

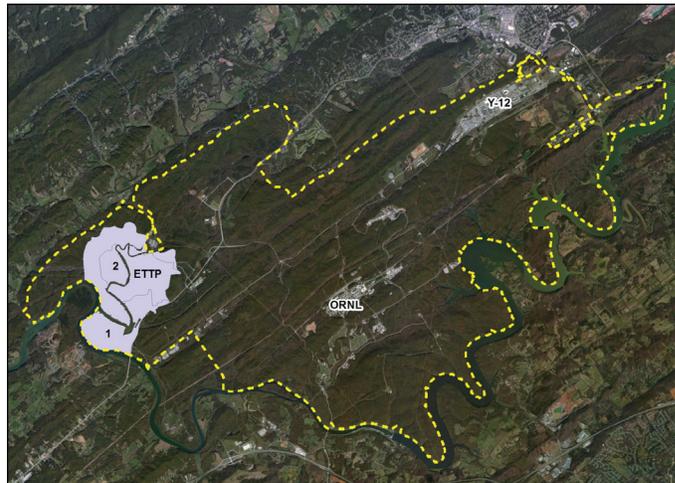
The East Tennessee Technology Park (ETTP) area is safe for federal and private industrialization activities with some limitations. Currently, most of the ETTP area is not accessible to the public without a badge or in compliance to facility entry restrictions.

Are there use limitations for this area?

- Currently, the site is a massive facility demolition work zone with many hazards that require specialized training. The public is not allowed in active work zones.
- Unfenced pond areas near the Oak Ridge Turnpike (State Route 58) and along the Clinch River are not for recreational activities such as fishing, swimming, or wading. There are no posted health concerns; however, EM is addressing and monitoring pond contamination and ecological concerns and improvements. These areas need to remain undisturbed during this process.
- All controls required for this are performed under the direction of DOE.
- As progress is made on site cleanup land is being transferred.

Background:

ETTP, formerly the K-25 Gaseous Diffusion Plant, was built in the early 1940s as part of the Manhattan Project, to process uranium for use in atomic bombs. During the Cold War-era, the diffusion process was refined for nuclear powered naval ships and submarines. Newer diffusion plants were then built in Portsmouth, Ohio and Paducah, Kentucky. All diffusion processing was halted at ETTP in 1985, and the site was permanently shut down in 1987. Releases resulting from the processing activities have contributed to the contamination of the soils, surface water, and groundwater.



Issues to address?

The site is divided into two zones. Zone 1 is larger, and it is comprised of areas located outside of the main fenced area of the plant. This area was used for electrical support to the diffusion process, waste management (mainly non-radioactive), and as a security buffer area. Zone 2 is the main fenced area, and it contained the diffusion processing facilities along with many laboratory, mechanical, and maintenance support facilities. Classified burial grounds are located within the fenced area, except for K-1070-A which has been excavated.

Records of Decisions (ROD) have been signed for these two zones. Zone 1 has been sampled, characterized, and remediated to support future industrial use. In the Zone 2 area, EM made significant progress removing contaminated facilities. As buildings are demolished, employees can complete soil characterization and remediation.

Once the remediation activities required by the Zone 1 and Zone 2 RODs are completed, DOE will implement CERCLA long-term land use controls for all of the necessary areas. Until then, DOE's programmatic controls ensure the safety of onsite workers and others. Before implementation, the CERCLA land use controls will be detailed and approved in each zone's Remedial Action Report. Once implemented, the status of these controls will be reported annually to the public in the Remediation Effectiveness Report.

East Tennessee Technology Park (continued)

A final ROD will be prepared and signed to address the surface water, groundwater, and ecological impacts prior to releasing the zones for use for commercial industries. At that time, the city of Oak Ridge will be responsible for zoning, permitting, utilities, and fire protection.

More Information is available: _____

- *Record of Decision for Interim Actions in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee.* November 8, 2002.
- *Phased Construction Completion Report for the K-1007 Ponds Area and Powerhouse North Area in Zone 1 at East Tennessee Technology Park, Oak Ridge, Tennessee.* May 3, 2007.
- *Record of Decision for Soils, buried Waste, and Subsurface Structure Actions in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee.* April 19, 2005.
- *Action Memorandum for the Decontamination and Decommissioning of the K-25 and K-27 Buildings, East Tennessee Technology Park, Oak Ridge, Tennessee.* February 13, 2002.
- *Action Memorandum for the Remaining Facilities Demolition Project at East Tennessee Technology Park, Oak Ridge, Tennessee.* September 30, 2003.