

## USEPA Test and Evaluation Facility, Cincinnati, OH

The T&E Facility is a multifaceted research resource in which a wide variety of water and land environmental treatment technologies are conceived, designed, and evaluated at bench-, pilot- and field-scale. Studies conducted at the Facility promote development and commercialization of practical and innovative technologies to enhance infrastructure and water quality monitoring, treatment and quality in water package plants and infrastructure distribution systems. The facility includes on-site chemistry, microbiology, bio-sentinel research laboratories and an environmentally controlled research chamber. Additionally the T&E facility is a RCRA permitted treatment, storage and disposal facility that holds an Ohio EPA treatability exemption. The T&E maintains unique drinking-water bench-, pilot- and small drinking water treatment plant technologies on site. The diverse treatment plant technologies can be used to study contaminants in ground, sources, and drinking water. Water can be trucked from nearby rivers, reservoirs, and ground water sources. The facility also has direct access to surface water and can blend water to desired water quality using sources from the local drinking water and wastewater utility. The research team of engineers, scientists, craftsmen, and technicians at the T&E Facility conduct systematic evaluations regarding factory-built, skid mounted "Package Plants." T&E Drinking water Facilities have been used for the study of issues associated with homeland security, organic and inorganic disinfection by-products, and the control of pesticides, bacteria, viruses and parasites.

Figure 1. Entrance to the T&E Facility.



Figure 2. Experimental pipe network to simulate water distribution system at T&E Facility.

