

# Ambient Air Monitoring



***Ambient Air Monitoring Station***



***Ambient Air Electronics***



***Ambient Air Flow Charts***

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CASI provides ambient air surveillance monitoring to assess the impacts, if any, of East Tennessee Technology Park (ETTP) operations on the public and environment. Sampling is performed at key receptor locations and is representative of the actual ambient air. Locations are identified using a combination of dispersion modeling, where members of the public reside or abide, the modeled maximum concentration, source location, and source-specific airborne emissions. Monitoring is performed on a weekly and shipment on a quarterly basis.

The ambient air sampling methodology is in accordance with Environmental Protection Agency (EPA) standard reference method 40 CFR 50, Subpart B. Regulatory dispersion modeling methods are used as identified in Appendix W of 40 CFR 61 "Guideline on Air Quality Models."

CASI has performed the following types of ambient air monitoring:

- Stack Monitoring for EPA Permitting (Organics, Metals, and Particulates)
- Dragger Monitoring (Chemical Specific)
- Summa Canister Air Monitoring (Organic Vapor)
- PM-10 Monitoring

Filter preparation includes the activity of desiccation and weighing of filters (pre and post job).

CASI supports the Environmental Monitoring Waste Management Facility (EMWMF) in the area of shipping their summa canister monitoring efforts to the designated laboratory.