

US EPA ARCHIVE DOCUMENT

Verified Technologies

Advanced Monitoring Systems Center

Air Monitoring

- Ambient Ammonia Sensors
- Ambient Fine Particulate Monitors
- Ammonia Continuous Emission Monitors
- Chemiluminescent Ozone Analyzers
- Dioxin Emission Monitoring Systems
- Hydrogen Sulfide Monitors
- Mercury Emission Monitors
- Multi-Metal Continuous Emission Monitors
- Nitrogen Oxide (NO/NOx) Portable Analyzers
- On-Board Emissions Monitors
- Optical Open-Path Monitors
- Personal Cascade Impactor Samplers
- Portable Multi-Gas Emissions Analyzers

Water Monitoring

- Arsenic Test Kits
- Ballast Water Exchange Screening Tools
- Enzymatic Test Kits*
- Immunoassay Test Kits for Atrazine
- Immunoassay Test Kits for Biotoxins*
- Mobile Mass Spectrometers*
- Multi-Parameter Water Monitors for Distribution Systems*
- Multi-Parameter Water Quality Probes
- Multi-Parameter Water Sensor Technology
- Nutrient Monitoring Technologies for Industrial Applications
- Portable Cyanide Analyzers*
- Portable Water Analyzers/Test Kits (nitrate/nitrite)
- Rapid Polymerase Chain Reaction Technologies*
- Rapid Toxicity Testing Systems*
- Turbidimeters

Soils, Surfaces, and Site Characterization

- Decision Support Software
- Field Explosives Detection Technologies
- Field Polychlorinated Biphenyl (PCB) Detection Technologies
- Field Portable Gas Chromatographs/Mass Spectrometers for Measurement of Volatile Organics in Soil, Water, and Soil Gas
- Field Portable X-Ray Fluorescence Analyzers for Measurement of Metals in Soil
- Ground Water Sampling Devices
- Laser Induced Fluorescence Sensors for In-Situ Detection of Petroleum Hydrocarbons
- Lead in Dust Detection Technologies
- Sediment Sampling Technologies
- Soil/Soil Gas Sampling Technologies
- Wellhead Monitoring Technologies for Measurement of Chlorinated Volatile Organic Compounds (VOCs) in Water

Air Pollution Control Technology Center

- Baghouse Filtration Products
- Dust Suppression and Soil Stabilization Products
- Emulsified Fuels
- Indoor Air Quality Products
- Mobile Sources Devices
- Mobile Sources Fuels
- Nitrogen Oxide (NO_x) Control Technologies for Stationary Sources
- Paint Overspray Arrestors

Drinking Water Systems Center

- Alternative Filtration and Media Technologies for Reduction of Microbiological and Particulate Contaminants
- Membrane Filtration Systems for Reduction of Microbiological and Particulate Contaminants
- Point-of-Use Devices for Reduction of Microbiological and Chemical Agents*
- Technologies for Reduction of Arsenic and Inorganic Chemicals
- Technologies for Reduction of Disinfection By-Products
- Ultraviolet (UV), Ozone and Alternative Inactivation, Disinfection, and Oxidation Technologies
- Whole Building and Mobile Treatment Systems for Reduction of Microbiological and Chemical Agents

Greenhouse Gas Technology Center

- Advanced Energy
- Green Buildings/Energy Efficient
- Greenhouse Gas Monitoring and Others
- Oil and Gas Industry
- Transportation

Water Quality Protection Center

- Animal Waste Treatment – Solids Separation
- Decentralized Wastewater Treatment Technologies
- Decontamination Wastewater Treatment*
- Flow Meters
- High-Rate Disinfection – Induction Mixers
- In-Drain Treatment Technologies
- Mercury Amalgam Separation
- Residential Nutrient Reduction
- Storm Water Source-Area Treatment Devices
- Ultraviolet (UV) Disinfection – Secondary Effluent/Wastewater Reuse
- Urban Runoff Models

Environmental and Sustainable Technology Evaluations (ESTE)— Fuel Characteristics and Emissions from Biomass-Fired Boilers

- Biomass Co-Fired Boilers

Pollution Prevention (P2) Coatings and Coating Equipment Pilot (ended 2007)

- High Transfer-Efficiency Paint Spray Guns
- High-Volume Low-Pressure Spray Guns
- Innovative Liquid Coatings
- Laser Targeted Paint Application
- Ultraviolet (UV)-Curable Coatings

Building Decontamination Technology Center (transferred to NHSRC 2004**)

- Chlorine Dioxide Decontamination Technology*
- Hydrogen Peroxide Decontamination Technology*
- Paraformaldehyde Decontamination Technology*

Safe Buildings Monitoring and Detection Technology Effort (transferred to NHSRC 2004**)

- Ion Mobility Spectrometers*
- Surface Acoustic Wave Detectors*

Safe Buildings Air Filtration and Cleaning Technology Effort (transferred to NHSRC 2004**)

- Ventilation Media Air Filters*

Pollution Prevention (P2) Metal Finishing Pilot (ended 2003)

- Aqueous Cleaner Maintenance Solution
- Chromate Conversion Coating Solution Maintenance
- Metal Finishing Energy Conservation
- Wastewater Treatment and Sludge Reduction
- Water Use Reduction/Recycling

Pollution Prevention (P2), Recycling, and Waste Treatment Pilot (ended 2002)

- Aerosol Can Recycling Systems
- Aqueous Circuit Board Cleaners
- Computerized Ion Exchange Regeneration Processes
- Rechargeable Alkaline Batteries
- Vegetable Oil Transformer Fluids

EvTEC Pilot (ended 2001)

- Erosion Control Technologies
- Wastewater Treatment Technologies

* Technologies within these categories were verified for water security or safe buildings applications.

** In 2004, ETV transferred verification of technologies with water security or safe buildings applications to the EPA National Homeland Security Research Center (NHSRC).