

US EPA ARCHIVE DOCUMENT

## Key ETV Collaborations

Air Technologies	Collaborators
Advanced energy	Cedar Rapids Water Pollution Control Facility, Colorado Governor's Office of Management and Conservation, Colorado Office of Environmental Management and Conservation (OEMC), Dairy Development International (DDI), Department of Defense (DOD) Environmental Security Technology Certification Program (ESTCP), ECO Technology Solutions, LLC (ECOTS) USA, Madison-Oneida Board of Cooperative Educational Services (BOCES) New York, New York Power Authority (NYPA), New York State Energy Research and Development Authority (NYSER-DA), Patterson Farms - Martin Machinery, State University of New York College of Environmental Science and Forestry - DCF Molten Carbonate Fuel Cell, Southern Research Institute
Ambient air monitoring	EPA Office of Air Quality Planning and Standards, EPA Office of Air Radiation, Battelle
Ambient ammonia monitors	U.S. Department of Agriculture's Agricultural Research Service, Battelle, Electric Power Research Institute, EPA Office of Air Quality Planning and Standards (OAQPS), Battelle
Biomass-fired boilers	EPA Office of Air and Radiation, EPA Office of Air Quality Planning Standards, EPA Office of Solid Waste, Southern Research Institute
Carbon sequestration monitors	EPA Advanced Monitoring Initiative, Battelle
Dioxin monitors	Chlorine Chemistry Council, EPA Office of Solid Waste and Emergency Response, EPA Office of Air Quality Planning and Standards, EPA Pollution Prevention and Control Division, Battelle
Distributed generation/combined heat and power	New York State Energy Research and Development Authority, EPA Combined Heat and Power Partnership, Southern Research Institute
Dust suppressants	U.S. Department of Defense, RTI International
Green buildings/energy efficiency	Department of Defense (DOD) Environmental Security Technology Certification Program (ESTCP) , Southern Research Institute
Hydrogen sulfide monitors	U.S. Department of Agriculture's Agricultural Research Service and national Soil Tilth Laboratory, Battelle, American Petroleum Institute, Applied Measurement Science
Mercury emission monitors	U.S. Department of Energy, State of Massachusetts, State of Connecticut, Illinois Clean Coal Institute, Northern Indiana Public Service Company (NIPSCO) Schahfer Plant, Battelle, Environmental Monitoring Contractors
Mobile source hybrid diesels	EPA Office of Transportation and Air Quality, RTI International
Optical/thermal imaging devices for leak detection	EPA Region 6, American Chemistry Council, BP, Texas Chemical Council, Battelle
Ozone monitoring technologies	American Petroleum Institute, Breathe California of Los Angeles County, Battelle
Personal cascade impactor samplers	Mickey Leland National Urban Air Toxics Research Center, Battelle
Pesticide spray drift	EPA Office of Pollution Prevention and Toxics, Crop Life America, EPA National Homeland Security Research Center, EPA Office of the Science Advisor, USDA-ARS College Station, TX, EPA Region 9, Environmental Technology Council, EPA Office of Pesticide Programs
Radiography cameras	EPA Office of Air Radiation, Battelle
Retrofit technologies for heavy-duty diesel engines	EPA Office of Transportation and Air Quality, Texas Commission on Environmental Quality's New Technology Research and Development Program, Texas Environmental Research Consortium, RTI International
Transportation	BNSF Railroad, Genessee Wyoming Railway, St. Lawrence and Atlantic Railway, Southern Research Institute
Waste-to-energy	States of New York and Colorado, Southern Research Institute

<b>Water Technologies</b>	<b>Collaborators</b>
Ballast water treatment, screening	U.S. Coast Guard; U.S. Navy, Naval Research Laboratory–Key West, NSF International, Battelle, EPA Office of International Affairs (OIA)
Drinking water arsenic treatment	States of Alaska, Pennsylvania, Michigan, New Mexico, and Utah; NSF International, ORD/NRMRL Water Supply and Water Resources, Pennsylvania Department of Environmental Protection
Drinking water uranium treatment	State of New Hampshire, NSF International
E. Coli and total coliform detection in drinking water	EPA Advanced Monitoring Technologies, Battelle
ELISA test kits	EPA Advanced Monitoring Technologies, EPA Office of Research and Development (ORD) National Exposure Research Lab (NERL) Cincinnati, NERL Las Vegas, ORD National Risk Management Research Lab (NRMRL) Cincinnati, EPA Region 3, EPA Region 5, U.S. Geological Survey, Battelle
Emergency response drinking water treatment	U.S. Bureau of Reclamation; U.S. Army Tank Automotive Research Engineering and Development Command; U.S. Naval Facilities Engineering Service Center, Naval Facilities Engineering Command; NSF International
Nutrient monitoring for industrial applications	DuPont, Battelle, Operations Management International (OMI), Inc.
Storm water treatment	States of/counties and cities in Georgia, Kentucky, Michigan, Pennsylvania, and Wisconsin; EPA Small Business Innovation Research Program; U.S. Geological Survey; NSF International, Pennsylvania State University, Wisconsin Department of Natural Resources
Vortex high-rate solids separation	Louisville/Jefferson County (KY) Municipal Sewer District (MSD), NSF International
Water infrastructure	EPA Aging Infrastructure Research Program, NSF International
Water monitoring	Danish Hydraulic institute, National Oceanic Atmospheric Administration (NOAA), Shaw Environmental, Inc., EPA Advanced Monitoring Technologies, Battelle
Whole building and mobile treatment systems	U.S. Department of Defense, U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC), NSF International
<b>Soil, Surfaces &amp; Hazardous Waste Technologies</b>	<b>Collaborators</b>
Lead paint test kits	EPA Office of Pollution Prevention and Toxics
Mold-resistant flooring	Gypsum Association, EPA Office of Air and Radiation
PCB detection technologies	EPA Office of Solid Waste and Emergency Response, Battelle
Radio frequency identification tracking of hazardous wastes	EPA Office of International Affairs, EPA Office of Compliance and Enforcement Assurance, EPA Office of Air Radiation, EPA ORD National Center for Environmental Assessment (NCEA), EPA Office of Solid Waste and Emergency Response, Battelle
Soil rapid toxicity technologies	EPA Office of Solid Waste and Emergency Response, Battelle