

AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Abdel-Aziz, Amr</b> <i>North Carolina State University</i>	■ <b>Quantification of Variability and Uncertainty in Hourly NOx Emissions from Coal-Fired Power Plants</b>	41999
<b>Abreu, Guilherme Corrêa</b> <i>Companhia Siderurgica De Tubarao</i>	■ <b>Emissions From A Sinterizing Plant Using Statistical Models</b>	42498
<b>ABREU, Guilherme Corrêa</b> <i>Companhia Siderurgica de Tubarao</i>	■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b>	42502
<b>Abu-Allaban, Mahmoud</b> <i>Desert Research Institute,</i>	■ <b>Application of a Multi-lag Regression Approach to Determine On-Road PM10 and PM2.5 Emission Rates</b>	42967
	■ <b>Sources of PM10, PM2.5, and VOCs in the Greater Cairo Area</b>	42840



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Adams, Baron</b> <i>Bioreaction Ind., LLC.</i>	■ <b>Biofiltration of Particleboard Press Vent Emissions</b>	<b>42908</b>
<b>Adams, Robert G.</b> <i>CRA, Inc.</i>	■ <b>Common Audit Findings during Multimedia Compliance Audits</b>	<b>45822</b>
<b>Adelman, Zachariah</b> <i>MCNC Environmental Programs</i>	■ <b>Estimating Future-Year Ozone Design Values with Two Regional-Scale Modeling Systems in North Carolina</b>	<b>43083</b>
<b>Aflalo, Serge</b> <i>Environnement SA</i>	■ <b>Application of an open path UV-DOAS to monitor nitrogen oxides in tunnels</b>	<b>45493</b>
<b>Afonso, Rui</b> <i>Energy and Environmental Strategies</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Agnihotri, Sandeep</b> <i>PY</i>	■ <b>Destruction of 1,1,1-trichloroethane (TCA) using Non-Thermal Plasma (NTP)</b>	<b>42930</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Aizpuru, Aitor</b> <i>Universidad Autonoma Metropolitana</i>	■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b>	<b>42904</b>
<b>Akerman, Al</b> <i>Oak Ridge National Laboratory</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>
<b>Al-Koot, Fadhel</b> <i>Kuwait National Petroleum CO.</i>	■ <b>Environmental Performance Measurement Framework for Petroleum Refineries</b>	<b>42609</b>
<b>Alberico, John</b> <i>RWDI</i>	■ <b>Comparison of ISC-Prime and Wind Tunnel Results</b>	<b>43115</b>
<b>Aldrich, James</b>	■ <b>Financing Environmental Investment: Show Me the Money</b>	<b>43366</b>
<b>Alexander, Adam</b> <i>R.F. Weston,</i>	■ <b>Pollution Prevention: Lesson's Learned</b>	<b>43087</b>
<b>Alford, Charles H</b> <i>Anteon Corporation</i>	■ <b>Advanced Green Technologies Improve Readiness, Durability, and Affordability of Military Jet Engines</b>	<b>42229</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Alleman, Teresa</b> <i>National Renewable Energy Laboratory</i>	■ <b>Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters</b>	<b>42565</b>
<b>Allen, D. Grant</b> <i>University of Toronto</i>	■ <b>Transport of Hydrophobic Pollutants Through Biofilms in Biofilters</b>	<b>42472</b>
<b>Allen, Jan W.</b> <i>CH2M HILL</i>	■ <b>Evaluating and Troubleshooting Biofilters</b>	<b>43317</b>
	■ <b>Using Forced Air Systems to Control Moisture and Odors</b>	<b>43314</b>
<b>Allison, Annabelle</b> <i>Institute for Tribal Environmental Professionals</i>	■ <b>Assisting Tribes in Submitting Data to the National Emissions Inventory, Challenges and Successes</b>	<b>42791</b>
<b>Allison, Richard C.</b> <i>Air and Waste Management Association</i>	■ <b>Community Advisory Panel to Help Nearby Facilities Practice Air Pollution Prevention</b>	<b>42339</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Almaraz, Russell</b> <i>USDA Natural Resources Conservation Service</i>	<b>■ Corraling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Almosara, Joel O.</b> <i>US Air Force</i>	<b>■ Department of Defense Integrates P2 into Wapons Systems Development: Toward a Green Life Cycle</b>	<b>41784</b>
<b>Amanullah, David</b> <i>First Environment, Inc.</i>	<b>■ EO 13148 - An Overview of the Requirements &amp; How to Comply Using ISO 14001</b>	<b>42595</b>
<b>Ames, Rodger B.</b> <i>Colorado State University</i>	<b>■ The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze</b>	<b>88881</b>
<b>Andersen, Peter</b> <i>R.F. Weston, Inc.</i>	<b>■ Pollution Prevention: Lesson's Learned</b>	<b>43087</b>
<b>Anderson, J. Thomas</b> <i>NC DAQ, Air Quality Analysis</i>	<b>■ Hydrogen Sulfide Study near Petroleum Asphalt Plants</b>	<b>45487</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Anderson, Larry</b> <i>University of Colorado at Denver</i>	<b>■ Oxygenated Fuels Use in Colorado: A Basis for Comparison with Latin American Experiences</b>	<b>42463</b>
<b>Anderson, Richard R</b> <i>NETL, US Dept of Energy</i>	<b>■ Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	<b>42646</b>
<b>Andrews, Carol A.</b> <i>Barr Engineering</i>	<b>■ Modeling the Fate of Mercury in Products</b>	<b>43209</b>
<b>Aneja, Viney P</b> <i>North Carolina State University</i>	<b>■ Trace Gases in the Great Smoky Mountains National Park: Measurements, Analysis, and Sources Identification</b>	<b>43260</b>
<b>Aneja, Viney P.</b> <i>North Carolina State University</i>	<b>■ Estimation of Equilibrium Time Constant for Gas-to-Particle Conversion Based on Observational Analysis</b>	<b>77777</b>
	<b>■ Validation Of A Coupled Mass Transfer With Chemical Reactions Model For Ammonia Flux Across A Gas-Liquid Interface</b>	<b>43068</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Aneja, Viney Pal <i>North Carolina State University</i>	■ Measurement and Modeling of Ammonia Flux and Dry Deposition Velocity from Near-Surface Concentration Gradient Measurements over Natural Surfaces in North Carolina	43080
Ansari, Odin <i>Clayton Group Services, Inc.</i>	■ Methods for Assessing Volatile Organic Compounds in Indoor Air from Subsurface Soil and Groundwater Contamination	42680
Apel, William A. <i>Idaho National Engineering and Environmental Laboratory</i>	■ PCR-DGGE as a method to monitor microbial populations in nitric oxide biofilters  ■ Remediation of Environmental Hexavalent Chromium Contamination Using Chromate Reducing Bacterial Consortia	43271  41646
Apte, Vijay <i>URS</i>	■ Air Quality Compliance Strategies - Problems & Solutions  ■ Emission Inventory Development at Federal Facilities	43584  43583
Arellano-Briones, Nuria <i>Tecnologico de Monterrey</i>	■ Comparing Day-of-the-Week Patterns of Ozone Precursors in Monterrey, México	43208



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Arkinson, Heather L.</b> <i>North Carolina State University</i>	■ <b>Validation Of A Coupled Mass Transfer With Chemical Reactions Model For Ammonia Flux Across A Gas-Liquid Interface</b>	<b>43068</b>
<b>Arner, Wayne</b> <i>URS Corporation</i>	■ <b>Air Quality Around Our Nation's Airports During the Aftermath of the September 11, 2001 Attack on America</b>	<b>42735</b>
<b>Arunachalam, Saravanan</b> <i>MCNC Environmental Programs</i>	■ <b>Estimating Future-Year Ozone Design Values with Two Regional-Scale Modeling Systems in North Carolina</b>	<b>43083</b>
<b>Arya, S. Pal</b> <i>North Carolina State University</i>	■ <b>Measurement and Modeling of Ammonia Flux and Dry Deposition Velocity from Near-Surface Concentration Gradient Measurements over Natural Surfaces in North Carolina</b>	<b>43080</b>
<b>Ashbaugh, Lowell</b> <i>University of California at Davis</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ashmore, Cammie G.</b> <i>CH2M HILL</i>	■ <b>Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	<b>43454</b>
<b>Assuncao, Rogerio</b> <i>Cetrel</i>	■ <b>Re-evaluation of the Air Monitoring Network of an Petrochemical Complex</b>	<b>42455</b>
<b>Assuncao, Rogerio Santos</b> <i>Cetrel</i>	■ <b>Use Of Mathematical Models To Estimate The Emissions Inventory And To Simulate The Atmospheric Dispersion Of A Wastewater Plant Of A Large Petrochemical Complex</b>	<b>43043</b>
<b>Auberle, William M.</b> <i>North Arizona University</i>	■ <b>Implementing Strategies to Reduce Emissions of Air Pollutants from On-road Diesel Engines</b>	<b>42954</b>
<b>Auria, Richard</b> <i>IRDUniversité de Provence</i>	■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b>	<b>42904</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Avendt, Lisa</b> <i>Environmental Resources Management, Inc.</i>	■ <b>Air Impacts of Distributed Generation Power Sources in Maryland</b>	42920
<b>Ayers, Curt</b> <i>Oak Ridge National Laboratory</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	42520

**B**

AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Baek, Bok Haeng</b> <i>North Carolina State University</i>	■ <b>Estimation of Equilibrium Time Constant for Gas-to-Particle Conversion Based on Observational Analysis</b>	77777
<b>Baek, Bok-Haeng</b> <i>North Carolina State University, MEAS</i>	■ <b>Measurement and Modeling of Ammonia Flux and Dry Deposition Velocity from Near-Surface Concentration Gradient Measurements over Natural Surfaces in North Carolina</b>	43080
<b>Bai, Hsunling</b> <i>National Chiao-Tung University</i>	■ <b>Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan</b>	43049



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>BAI, Hsunling</b> <i>National Chiao-Tung University</i>	■ <b>Effect of Operating Parameters on the Performance of ZSM-5 Zeolite Honeycomb Rotor for VOCS Treatment</b>	<b>43023</b>
<b>Bai, Hsunling</b> <i>National Chiao-Tung University</i>	■ <b>Using Acidic Soils as Selective Catalytic Reduction Catalysts for the Removal of Nitric Oxide</b>	<b>43045</b>
<b>Bailey, Mark C.</b> <i>American Transportation Corporation</i>	■ <b>NSR-Influenced Innovations, Permitting Strategies And Solutions</b>	<b>42312</b>
<b>BAKER, Gary</b> <i>Battelle</i>	■ <b>CTP2 Implementation Case study-Hill AFB, Utah</b>	<b>42558</b>
<b>Banoo, Shahana Akmal</b> <i>BT2, Inc.</i>	■ <b>ISO14001- Identifying Aspects and Impacts</b>	<b>42308</b>
<b>BAONING, Zhang</b> <i>Asian Institute of Technology</i>	■ <b>Photochemical Pollution in Bangkok, Thailand and Associated Local Meteorological Conditions and O3 Precursors Concentrations</b>	<b>43211</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Barbaro, Di</b> <i>Pfizer Inc.</i>	■ <b>Making the cut: When to keep your EHS Systems and When to Implement New Ones</b>	<b>43198</b>
<b>Barber, Tye E</b> <i>Tennessee Technological University Arts &amp; Sciences</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>
<b>Bare, Jane</b> <i>US EPA</i>	■ <b>The Use of TRACI for Pollution Prevention and Sustainable Development</b>	<b>42822</b>
<b>Barna, Michael G.</b> <i>Colorado State University</i>	■ <b>Initial REMSAD Simulation of Sulfate Aerosol for the BRAVO Study</b>	<b>99999</b>
<b>Barnack, Anthony</b> <i>Oregon Dept of Environmental Quality</i>	■ <b>Ambient Air Measurements with an Open-Path FTIR Analyzer</b>	<b>42949</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Barnard, Ronald K</b> <i>City of Corpus Christi</i>	■ Overview Of Corpus Christi Emission Inventory for 1999	41815
<b>Barnard, William R.</b> <i>Harding ESE</i>	■ CASTNet Sulfur Dioxide and Nitrogen Oxide Ambient Concentration Trends and the Title IV Acid Rain Provisions	42717
<b>Barnes, Lisa Simkins</b> <i>Clayton Group Services, Inc.</i>	■ Methods for Assessing Volatile Organic Compounds in Indoor Air from Subsurface Soil and Groundwater Contamination	42680
<b>Barron, Barbara</b> <i>Principal, Watson &amp; Barron, Ltd.</i>	■ Managing Title V - Application to Issuance: One Company's Approach for Multiple Sites	42677
<b>Barth, Christopher J.</b> <i>URS Corporation</i>	■ Characterizing Open Burn Emissions During Actual Field Burns of Propellants and Laboratory Waste	43527
<b>Barthel, Mark</b> <i>British Standards Institution</i>	■ An Introduction to The SIGMA Project: Sustainability in Practice	42591



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Baukal, Charles E.</b> <i>John Zink Co. LLC</i>	<b>■ NOx Emissions Reduction Technologies in the Petrochemical and Refining Industries</b>	42935
<b>Bedoya, Julian</b> <i>Universidad Nacional de Colombia</i>	<b>■ Image Analysis to Characterize TSP in Medellin Colombia</b>	42395
	<b>■ Particulate Matter Dispersion in Urban Environments in Colombia</b>	42369
	<b>■ Urban Air Pollution and Monitoring Networks in Colombia</b>	42370
<b>Beene, Stephen</b> <i>Jim Clary &amp; Associates</i>	<b>■ Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b>	45774
<b>Belanger, Jacques</b> <i>Exponent</i>	<b>■ Effect of Exhaust Stack Geometry on the Amount of Liquid Condensate during plant start-up</b>	45300
<b>Belik, Daniel</b> <i>Bay Area Air Quality Management District</i>	<b>■ Director's Discretion as a Cost Effective Emission Reduction Strategy</b>	43153



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Belmonte, Peter</b> <i>Trigen Energy Corporation</i>	■ <b>Trigen's Web-Based Environmental and Safety Information: A Case Study</b>	<b>42659</b>
<b>Bennett, Mark J.</b> <i>CH2M HILL</i>	■ <b>Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	<b>43454</b>
<b>Benromdhane, Souad</b>	■ <b>Monte Carlo Analysis of Uncertainty in Greenhouse Gas Emissions in the United States</b>	<b>56666</b>
<b>Beresky, Nancy A.</b> <i>C.P.G., Waterstone Environmental, Inc.</i>	■ <b>Differentiating Multiple Sources of Subsurface Contamination by Similar Petroleum Products- Air Pathway Analysis Used in Conjunction with Routine Multimedia Site Assessment Technologies</b>	<b>42785</b>
<b>Berg, Elena</b> <i>Southeast Michigan Council of Governments</i>	■ <b>New Challenges Presented by an Eight-Hour Ozone Standard in Southeast Michigan</b>	<b>42881</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Berman, Joel</b> <i>Northern Arizona University</i>	■ <b>Implementing Strategies to Reduce Emissions of Air Pollutants from On-road Diesel Engines</b>	<b>42954</b>
<b>Berry, Gregory</b> <i>SAIC</i>	■ <b>Hazardous Materials Management Programs for Weapon System Acquisition</b>	<b>43042</b>
<b>Berry, Jim</b> <i>Berry Environmental</i>	■ <b>DIRT, The Ultimate Catalyst</b>	<b>43184</b>
<b>Beshore, Eric</b> <i>Science Applications International Corporation</i>	■ <b>Range UXO and Residue Strategic Planning - 'Ensuring Safety and Sustainability'</b>	<b>42914</b>
<b>Bezborodov, Alexey</b> <i>A.N.Bakh Institute of Biochemistry</i>	■ <b>Design, Construction And Long-Term Performance Of Novel Type Of Industrial Biotrickling Filters For Voc Control</b>	<b>42602</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Bhuie, A.K. <i>University of Toronto</i>	■ Bioaccumulation and Toxicity Effect of Mn from Automotive Combustion of Methylcyclopentadienyl manganese tricarbonyl (MMT) on grass ( <i>Tradescancia</i> ) species beside the major highways in Greater Toronto Area	43106
Biess, Larry <i>CSX Transportation</i>	■ Trading Of Locomotive Nox Emissions: A Potential Success Story	43095
Bishop, Paul L <i>University of Cincinnati</i> <i>University of Cincinnati, Civil &amp; Environmental Engineering</i>	■ Solidification/Stabilization of Hg(II)-containing Solid Wastes by Cement after Stabilization by Sulfurized Reactivated Carbon	42166
Bishop, Paul L. <i>University of Cincinnati</i>	■ Stabilization and Leachability Studies of Mercury-Containing Wastes	42527
Biswas, Jhumoor <i>University at Albany</i>	■ Temporal and spatial variability of ozone production efficiencies over the eastern United States	43110



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Bitzos, Melynda M.</b> <i>Ontario Ministry of the Environment</i>	<b>■ A Comparative Study of Toronto's Air Quality from an International, National and Regional Perspective</b>	42928
<b>Black, Kevin</b> <i>Federal Highway Administration</i>	<b>■ The FHWA Particulate Matter Research Program</b>	42797
<b>Blair, Danielle</b> <i>Science Applications International Corp</i>	<b>■ Recycling Retired Ships, Website and Decision Logic Flow Charts as Tools to Aid U.S. Domestic Recycling Industry</b>	42512
<b>Blanchard, C.</b> <i>Envair/Aerochem</i>	<b>■ Carbon in Southeastern Aerosol Particles</b>	43064
<b>Blanchard, Charles</b> <i>Envair</i>	<b>■ Effects of Changes in Sulfate, Ammonia, and Nitric Acid on Particle Composition in the Southeastern United States</b>	42685
<b>Block, Nathan</b> <i>TRC Companies</i>	<b>■ Using Third Party Assumption of Environmental Liabilities to Manage Financial Risk</b>	41910



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Boelter, Fred</b> <i>Boelter &amp; Yates, Inc.</i>	■ <b>Managing Uncertainties Associated with Post-Acquisition Remediation Agreements</b>	<b>43126</b>
<b>Boettner, John</b> <i>West Virginia University</i>	■ <b>Recycling Retired Ships, Website and Decision Logic Flow Charts as Tools to Aid U.S. Domestic Recycling Industry</b>	<b>42512</b>
<b>Bokowa, Anna</b> <i>Canadian ORTECH Environmental</i>	■ <b>Odor Assessment At Pig Barns</b>	<b>41931</b>
<b>Bolstridge, June</b> <i>GAIA Corporation</i>	■ <b>Effectiveness of Internet Resources for EH&amp;S Information, Technology, and Exchange</b>	<b>42561</b>
	■ <b>EPCRA's Impacts on the Chemical and Petroleum Industries</b>	<b>42968</b>
<b>Bondaruk, Robert E</b> <i>Anteon Corporation</i>	■ <b>Advanced Green Technologies Improve Readiness, Durability, and Affordability of Military Jet Engines</b>	<b>42229</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Bong, Choon Keun</b> <i>KyungHee University</i>	■ <b>Source Identification and Quantification of Coarse and Fine particles by TTFA and PMF</b>	<b>43292</b>
<b>Bort, Jim</b> <i>Palmdale Regional Airport</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Bose, Dean</b> <i>CH2M HILL</i>	■ <b>Evaluating and Troubleshooting Biofilters</b>	<b>43317</b>
<b>BOSWELL, James T.</b> <i>Bio Reaction Industries, LLC,</i>	■ <b>Performance of a Compost-Based Hybrid Bioreactor for the Treatment of Paint Spray Booth Emissions</b>	<b>43055</b>
<b>Boswell, Jim</b> <i>Bioreaction Ind., LLC.</i>	■ <b>Biofiltration of Particleboard Press Vent Emissions</b>	<b>42908</b>
	■ <b>Kinetic Evaluation Of H2s And Ammonia Biofiltration For Air Emissions Control</b>	<b>43167</b>
<b>Boulton, J. Wayne</b> <i>Rowan Williams Davis &amp; Irwin Inc.</i>	■ <b>Regional Air Quality Model Sensitivity to Power Plant Emissions in Southern Ontario</b>	<b>42829</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Bowman, Peter A.</b> <i>Air and Waste Management Association</i>	■ <b>Community Advisory Panel to Help Nearby Facilities Practice Air Pollution Prevention</b>	<b>42339</b>
<b>Bowyer, James R.</b> <i>NC DAQ, Toxics Protection Branch</i>	■ <b>Hydrogen Sulfide Study near Petroleum Asphalt Plants</b>	<b>45487</b>
<b>Box, Wesley</b> <i>Pavilion Technologies</i>	■ <b>Using Information Technology to Achieve Stability</b>	<b>43688</b>
<b>Bradburn, Rick</b> <i>Florida Dept of Environmental Protection</i>	■ <b>Writing a Title V Permit - A Team Approach</b>	<b>42870</b>
<b>Braddock, James N</b> <i>US EPA</i>	■ <b>Application of a Microscale Emission Factor Model for Particulate Matter (MicroFacPM) to Calculate Vehicle Generated Contribution of PM2.5 Emissions</b>	<b>42825</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Braden, Gail</b> <i>REM, Dixon Environmental</i>	■ <b>Petroleum Refinery Title V Compliance Assurance Program Implementation- Case Study</b>	<b>42820</b>
<b>Bradley, David</b> <i>Data Systems &amp; Solutions</i>	■ <b>Implementing Standards In An Enterprise Environmental Management Information System</b>	<b>42571</b>
<b>Brady, James J.</b> <i>Hazen and Sawyer, P.C.</i>	■ <b>Use Of Open-Path FTIR Spectroscopy to Support Development of Refined Estimates of H2S Emissions from a New York City Municipal Wastewater Treatment Plant</b>	<b>42805</b>
<b>Branch, John William</b> <i>Universidad Nacional de Colombia</i>	■ <b>Image Analysis to Characterize TSP in Medellin Colombia</b>	<b>42395</b>
<b>Bravo, Humberto</b> <i>Universidad Nacional Autónoma de México.</i>	■ <b>Concentrations of Benzene and its Importance in the Atmosphere of the Mexico City Metropolitan Zone</b>	<b>42743</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Bridges, James</b> <i>Pacific Environmental Services</i>	■ <b>The Shoemaker's Children have No Shoes!</b>	<b>42554</b>
<b>Brockman, Larry L</b> <i>U.S. Environmental Protection Agency</i>	■ <b>Tools Available for Implementing and Complying with Air Toxic (e.g.,MACT) Standards</b>	<b>42584</b>
<b>Brown, Bruce G</b> <i>Pfizer, Inc., EH&amp;S</i>	■ <b>Pfizer's Air Quality Management System</b>	<b>43000</b>
<b>Brown, Diane</b> <i>Maryland / Department of Natural Resources</i>	■ <b>Air Impacts of Distributed Generation Power Sources in Maryland</b>	<b>42920</b>
<b>Brown, Jeffrey</b> <i>Orange County Sanitation District</i>	■ <b>Biotrickling Filters for Odor Treatment at POTWs: Full-scale experience with Converted Scrubbers</b>	<b>43558</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Brown II, Daniel</b> <i>Northern Arizona University</i>	■ <b>Implementing Strategies to Reduce Emissions of Air Pollutants from On-road Diesel Engines</b>	<b>42954</b>
<b>Brynczka, Marc</b> <i>InteGreyted Consultants, LLC</i>	■ <b>The Maintenance of EHS Management Systems</b>	<b>43204</b>
<b>Buchi, Richard</b> <i>TIELM</i>	■ <b>Elimination of Chromates in Paint Preparation</b>	<b>45479</b>
<b>Buckley, Timothy J.</b> <i>Johns Hopkins University</i>	■ <b>Mobile Source Contribution to Ambient 1,3-Butadiene, Benzene and Particle-Bound PAH at a Tollbooth</b>	<b>42113</b>
<b>Bueno, Emma</b> <i>Instituto Nacional de Ecología</i>	■ <b>Concentrations of Benzene and its Importance in the Atmosphere of the Mexico City Metropolitan Zone</b>	<b>42743</b>
<b>Buhr, Eric I.</b> <i>Optical Scientific Inc.</i>	■ <b>Optical Flow Sensing for Environmental Applications</b>	<b>45775</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Burse, Joan T.</b> <i>Eastern Research Group</i>	■ <b>National Urban Air Toxics Monitoring Program 1987 through 2001</b>	<b>54943</b>
<b>Bury, David</b> <i>Department of Defense</i>	■ <b>Integrating Safety and Health in Pollution Prevention</b>	<b>43144</b>
<b>Bustard, Jean</b> <i>ADA-ES, LLC</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Butler, Andre J.</b> <i>Mercer University</i>	■ <b>Principal Components Analysis to Determine PM2.5 Source Contributions in Atlanta: Results From the First year of the ASACA Study</b>	<b>42768</b>
	■ <b>Statistical Modeling of PM2.5 Mass in Atlanta: Results From the First Two Years of the ASACA Study</b>	<b>41706</b>



## C

## AUTHOR

## PAPER TITLE

PAPER  
NUMBER

**Cabrera, Jimena**  
*Eltron Research  
Inc.*

■ **Low-Temperature Catalytic Oxidation of Airborne Organic Materials**

42727

**Caine, John**  
*Southern  
Environmental,  
Inc.*

■ **Lowering The Cost Of Pm 2.5 Compliance --With A New Design Wet Membrane Esp**

41810

**Cal, Mark P**  
*CNew Mexico  
Institute of Mining  
and Technology*

■ **Destruction of 1,1,1-trichloroethane (TCA) using Non-Thermal Plasma (NTP)**

42930

**Calabrese,  
Richard V**  
*University of  
Maryland*

■ **Evaluation of Methods for Preprocessing of Emissions from On-Road Mobile Sources**

43134

**Calhoun, David**  
*Clemson  
University*

■ **Heavy Metal Content and Source-Receptor Reconciliation of Ambient PM2.5 Near a Coal-Fired Institutional Boiler**

42758



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Camp, Frank</b> <i>Jim Clary &amp; Associates</i>	■ <b>Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b>	<b>45774</b>
<b>Campbell, Rich</b> <i>USDA Natural Resources Conservation Service</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Caniparoli, Don G.</b> <i>CH2M HILL</i>	■ <b>Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	<b>43454</b>
<b>Cannon, Bob</b> <i>US Coast Guard</i>	■ <b>Benefits to a Federal Facility: The US Environmental Protection Agency National Environmental Performance Track Program</b>	<b>42652</b>
	■ <b>Successful Federal Facility and Community Partnering: Household Hazardous Products Collection</b>	<b>43090</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Caputo, Antonio Casimiro</b> <i>Università di L'Aquila</i>	■ <b>Sustainable Manufacturing System For Printing Processes</b>	<b>42867</b>
	■ <b>VOC Control In An Underground Experimental Facility: Technical And Safety Issues</b>	<b>42865</b>
<b>Card, Tom</b> <i>Environmental Management Consulting</i>	■ <b>Flux Chambers and Wind Tunnels: What is Currently Known about their Performance and Applicability</b>	<b>42654</b>
<b>Card, Tom R.</b> <i>Environmental Management Consulting</i>	■ <b>Estimating Air Emissions from Unit Treatment Process with Weirs</b>	<b>43373</b>
<b>Carpenter, Kevin</b> <i>Siemens Westinghouse Power Corporation</i>	■ <b>Comprehensive NOx Emissions Solutions for Gas Turbines</b>	<b>42824</b>
<b>Carter, Cory B.</b> <i>Brigham Young University</i>	■ <b>Comparison Of Pm1.0 And Pm2.5 Particulate Matter Measured With Teom And Pc-Boss On The Wasatch Front (Utah) July To September 2001</b>	<b>42678</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
	■ <b>Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002</b>	<b>42675</b>
	■ <b>Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001</b>	<b>42657</b>
<b>Castaldi, Frank</b> <i>URS Corporation</i>	■ <b>Tank-Based Bioremediation Of RCRA Hazardous Wastes</b>	<b>42976</b>
<b>Castleberry, John</b> <i>CH2M HILL</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>Catton, Kimberly</b> <i>University of California, Davis</i>	■ <b>Aerobic Removal NO on Carbon Foam Packings</b>	<b>43550</b>
<b>Caviness, Gwen</b> <i>ENVIRON</i>	■ <b>Case Study of a Potency-Weighted Emission Screen: Initial Evaluation</b>	<b>42728</b>
<b>Cesario, James</b> <i>Earth Tech</i>	■ <b>Retroactive Prevention Of Significant Deterioration Analysis: A Case Study</b>	<b>42747</b>
<b>Cha, Chang Yul</b> <i>CHA Corporation</i>	■ <b>Microwave Treatment of Hypergolic Fuel and Oxidizer Vapors</b>	<b>45779</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Chadder, David S. <i>RWDI</i>	■ Comparison of ISC-Prime and Wind Tunnel Results	43115
Chai, Wan-Lan	■ Influence of Pollutants from Landfill of Incineration Residuals by Acid Precipitation	43008
	■ Use of Precipitation Data to Develop and Modify the Leachate Model from Landfill of MSW Combined with Incineration Ashes	43002
Chanda, Alak <i>Unisearch Associates</i>	■ The Application Of Tunable Diode Laser System For Monitoring H <sub>2</sub> S In A Co-Generation Facility	43530
Chandrasekar, Anantharaman <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	■ Characterizing Population Exposures and Co-Exposures to Ozone and PM <sub>2.5</sub> for the City of Philadelphia Using a Source-to-Dose Framework	43224
	■ Evaluation of grid-based ozone and PM modeling for a 1999 summer episode	43182
CHANG, Daniel P.Y. <i>University of California, Davis</i>	■ Aerobic Removal NO on Carbon Foam Packings	43550



AUTHOR	PAPER TITLE	PAPER NUMBER
Chang, F.T. <i>National Tsing Hua University</i>	■ Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan	43049
	■ Effect of Operating Parameters on the Performance of ZSM-5 Zeolite Honeycomb Rotor for VOCS Treatment	43023
Chang, Ken-Hui <i>National Yunlin University</i>	■ A Multi-Level Nested Photochemical Model To Evaluate The Allowable Capacity Of Nox And NMHC In Southern Taiwan	42322
Chang, Ramsay <i>EPRI</i>	■ FIELD STUDIES OF MERCURY CONTROL USING INJECTED SORBENTS	43568
	■ Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant	43249
	■ MerCAP: A Novel Approach for Vapor Phase Mercury Capture	43569
Chang, Young-Soo <i>Argonne National Lab</i>	■ Estimation of Environmental Noise Impacts within Architectural Spaces	43547



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Chatani, Satoru</b> <i>Toyota Central R&amp;D Labs., Inc.</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Chauhan, Satya P.</b> <i>Battelle</i>	■ <b>Hexavalent Chrome Extraction from Wastewater</b>	<b>42966</b>
<b>Chen, Che-Cheng</b> <i>ITRI/CESH</i>	■ <b>The Application of Dehumidification Process in Sludge Drying</b>	<b>42706</b>
<b>Chen, Chiehchih</b> <i>National Chiao-Tung University</i>	■ <b>Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan</b>	<b>43049</b>
<b>Chen, Ching-Nan</b> <i>National Ilan Institute of Technology</i>	■ <b>Carbon Distribution of Waste Incinerated in Municipal Solid Waste Incinerator</b>	<b>42866</b>
	■ <b>Control of Vaporous Naphthalene by Absorption with Non-ionic and Anionic Surfactants</b>	<b>43004</b>
	■ <b>Removal of CO2 form flue gas of municipal solid waste incinerators</b>	<b>42863</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Chen, Jianmeng</b> <i>Zhejiang University of Technology</i>	■ <b>Aerobic Removal NO on Carbon Foam Packings</b>	<b>43550</b>
<b>Chen, Luke</b> <i>Tamkang University</i>	■ <b>Estimation of Mobile Emission Change for Traffic Management</b>	<b>45410</b>
<b>Chen, Ming-Jay</b> <i>Da-Yeh University</i>	■ <b>Recycling Of Scrap Integrated Circuits</b>	<b>42406</b>
<b>Chen, Zumao</b> <i>Reaction Engineering International</i>	■ <b>Mercury Oxidation in Coal-Fired Utility Boilers: Validation of Gas-Phase Kinetic Models</b>	<b>42676</b>
<b>Cheng, Chin-Jen</b> <i>National Central University, Chung-Li, Taoyuan, Taiwan, ROC</i>	■ <b>Thermal Performance of Lightweight Concrete Made of Sewage Sludge Ash</b>	<b>43035</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Cheng, Mengdawn</b> <i>Oak Ridge National Laboratory</i>	<ul style="list-style-type: none"> <li>■ Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</li> <li>■ Responses of Human Lung Cells to Synthetic and Engine Emitted PM</li> </ul>	42520  42496
<b>CHIANG, Yu-Chun</b> <i>Yuan Ze University</i>	<ul style="list-style-type: none"> <li>■ Prediction of The Equilibrium Constant of An Adsorption Model by VOC Adsorption on Microporous Adsorbents</li> </ul>	43005
<b>Chiou, Ing-Jia</b> <i>National Central University, Chung-Li, Taoyuan, Taiwan, ROC</i>	<ul style="list-style-type: none"> <li>■ Thermal Performance of Lightweight Concrete Made of Sewage Sludge Ash</li> </ul>	43035
<b>Cho, Sungwon W</b> <i>Korea East-West Corporation</i>	<ul style="list-style-type: none"> <li>■ Reduction of the Plume Opacity at Electric Power Plants</li> </ul>	42861
<b>Choi, Jong-Hyuk</b>	<ul style="list-style-type: none"> <li>■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System</li> </ul>	42548
<b>Choi, Sang-Min</b>	<ul style="list-style-type: none"> <li>■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System</li> </ul>	42548



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>CHOI, Yu-Jin</b> <i>University of Maryland</i>	■ <b>Evaluation of Methods for Preprocessing of Emissions from On-Road Mobile Sources</b>	<b>43134</b>
<b>Chow, Jing-Dong</b>	■ <b>Influence of Pollutants from Landfill of Incineration Residuals by Acid Precipitation</b>	<b>43008</b>
	■ <b>Use of Precipitation Data to Develop and Modify the Leachate Model from Landfill of MSW Combined with Incineration Ashes</b>	<b>43002</b>
<b>Christen, Pierre</b> <i>IRD- Biodépollution</i>	■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b>	<b>42904</b>
<b>Christoforou, Christos</b> <i>Clemson University</i>	■ <b>Heavy Metal Content and Source-Receptor Reconciliation of Ambient PM2.5 Near a Coal-Fired Institutional Boiler</b>	<b>42758</b>
<b>Chu, J.C.</b> <i>Administration Office of Science Based Industrial Park</i>	■ <b>Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan</b>	<b>43049</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Chu, Pamela M.</b> <i>National Institute of Standards and Technology</i>	■ <b>Quality Assurance of Gas-Phase Infrared Reference Spectral Data</b>	45370
<b>Clack, Herek L.</b> <i>Illinois Institute of Technology</i>	■ <b>Optimizing Adsorption within Gas - Sorbent Suspensions: A Proof of Concept Study</b>	43223
<b>Clark, David G.</b> <i>DuPont Engineering Technology</i>	■ <b>Design and Operation of Safe Vent Collection Systems</b>	42427
<b>Clarke, Marjorie</b> <i>Lehman College</i>	■ <b>Introduction to Municipal Solid Waste Incineration</b>	45363
	■ <b>Introduction to Waste Prevention and Recycling</b>	45362
<b>Clary, Jim</b> <i>Jim Clary &amp; Associates</i>	■ <b>Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b>	45774
<b>Clayton, Russ</b> <i>ARCADIS Geraghty &amp; Miller,</i>	■ <b>Application of a Multi-lag Regression Approach to Determine On-Road PM10 and PM2.5 Emission Rates</b>	42967



AUTHOR	PAPER TITLE	PAPER NUMBER
Cleland, Josh <i>ICF Consulting</i>	■ A Cohort Based Approach for Characterizing Lifetime Inhalation Cancer Risk from Time-Varying Exposure to Air Toxics	42725
Clement, Paul <i>Jacobs Engineering Group Inc.</i>	■ Optimization of Monitoring Well Networks Using Spatial Wallowing and Temporal Thinning Applied to a Contaminant Plume at the Massachusetts Military Reservation	43119
Cocker, David C. <i>University of California</i>	■ An Assessment of the Contribution of Mobile Sources on Visibility Degradation in the Los Angeles Basin: Past, Present, and Future	42311
Cocker, Kathalena <i>CE-CERT</i>	■ An Estimate of the Emissions of Toxic Air Contaminants for Medium-Duty Diesel-Powered Vehicles	42700
Comnesso, Stephen <i>O'Brien &amp; Gere Engineers, Inc.</i>	■ LAER Success Story - Persistence pays off, client saves \$5 million	43031
Conkle, H. Nick <i>Battelle</i>	■ Tackling Odor Issues at a Fertilizer Plant	42892
	■ Hexavalent Chrome Extraction from Wastewater	42966



AUTHOR	PAPER TITLE	PAPER NUMBER
Connors, Jeffrey A. <i>ENSR Corporation</i>	■ FLAG Aftermath: Effects of the Federal Land Managers Modeling Guidance on CALPUFF Applications for New Source Permitting	42534
Cook, Larry <i>Air Force Research Laboratory</i>	■ Hexavalent Chrome Extraction from Wastewater	42966
Cook, Rich <i>Environmental Protection Agency</i>	■ A Cohort Based Approach for Characterizing Lifetime Inhalation Cancer Risk from Time-Varying Exposure to Air Toxics	42725
Cooper, C. David <i>University of Central Florida</i>	■ Using Mobile 6 to get Emission Factors for a Microscale CO Analysis	41812
Cooper, Coralie <i>NESCAUM</i>	■ Implementation Of Retrofit/Clean Fuel Program For Diesel Equipment During The Construction Phase Of Two Large Transportation Projects	42536
Copeland, Teri L. <i>Independent Consultant</i>	■ Predicting Potential Exposure for the Occupants in Future Buildings Using Direct Measurement and Predictive Modeling Techniques	43141



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Coronado-Escalante, Geronimo</b> <i>Tecnologico de Monterrey</i>	■ <b>Comparison and Characterization of the Atmospheric Emissions Produced by Combustion of Petrodiesel, Methyl Ester of Soybean Oil and Methyl Ester of Used Oil</b>	<b>43278</b>
<b>Coronel, Jennifer Oliva</b> <i>Secretaria de Estado de Meio Ambiente</i>	■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b>	<b>42502</b>
<b>COWEN, Kenneth A</b> <i>Battelle</i>	■ <b>ETV Verification Testing of Continuous Ambient Fine Particle Monitors</b>	<b>43497</b>
<b>Cowherd, Chatten</b> <i>Midwest Research Institute</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Cowherd, Jr., Chatten</b> <i>Midwest Research Institute</i>	■ <b>Airborne Dust Removal by Vegetative Groundcover</b>	<b>55552</b>
	■ <b>Dust Emission Measurements of Barge/Vessel Grain Handling Operations (An EPA/Industry Cooperative Effort)</b>	<b>55553</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
	■ <b>Relative Measures of Unpaved Road Dust Suppressants</b>	<b>55551</b>
<b>Cox, Huub</b> <i>University of California</i>	■ <b>Biotrickling Filters for Odor Treatment at POTWs: Full-scale experience with Converted Scrubbers</b>	<b>43558</b>
<b>Cox, Huub H.J.</b> <i>University of California</i>	■ <b>An Environmental Friendly Method for Controlling Biomass in Biotrickling Filters for Air Pollution Control</b>	<b>43554</b>
<b>Coyle, Steven W</b> <i>Department of Defense</i>	■ <b>Integrating Safety and Health in Pollution Prevention</b>	<b>43144</b>
<b>Crawford, Nathan</b> <i>GreenWare</i>	■ <b>Environmental Knowledge Management (EKM): A System Architect View</b>	<b>43112</b>
	■ <b>Environmental Knowledge Management: A System Architect View</b>	<b>43104</b>
	■ <b>Technology: A Key to Assuring &amp; Controlling the Quality of Emission Data</b>	<b>43109</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>CRAWFORD, Nathan</b> <i>GreenWare</i>	<b>■ Technology: A Medium for Developing &amp; Managing Emissions Inventories</b>	<b>43091</b>
	<b>■ The Shift to Environmental Knowledge Management: Simplifying Auditing &amp; Verification</b>	<b>43129</b>
<b>Crist, Kevin</b> <i>Ohio University, School of Health Sciences</i>	<b>■ Evaluation of the Long-Term Air Quality Trends in Ohio</b>	<b>45499</b>
	<b>■ Meteorological Influences on the Fine Particulate Matter Distribution in Central Ohio</b>	<b>45498</b>
<b>Cross, Phillip</b> <i>Waterlink Sutcliffe Croftshaw Ltd.</i>	<b>■ Design, Construction And Long-Term Performance Of Novel Type Of Industrial Biotrickling Filters For Voc Control</b>	<b>42602</b>
<b>Curran, Mary Ann</b> <i>US Environmental Protection Agency, Office of Research &amp; Development</i>	<b>■ LCAccess: Promoting the Use of Life Cycle Assessment</b>	<b>43051</b>
	<b>■ www.LCAccess - Global Directory of LCI Resources</b>	<b>43050</b>
<b>CURTIN, Deborah</b> <i>ERDC-CERL,</i>	<b>■ Pollution Prevention: Lesson's Learned</b>	<b>43087</b>



## D

## AUTHOR

## PAPER TITLE

PAPER  
NUMBER

**D'Agostino,  
Tricia M.**  
*O'Brien & Gere  
Engineers, Inc.*

- **Creative Ways to Generate and Certify Emission Reduction Credits**

41579

**Dam, Thang**  
*Oak Ridge  
National  
Laboratory*

- **Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks**

42520

**Dann, Tom**  
*Environment  
Canada*

- **Issues Related to Benzene in Eastern Montreal (Quebec) Canada**
- **Monitoring of Toxic Substances in Ontario - Great Lakes Basin (1990 - 2001)**

42265

42877

**Darcey, Larry  
Glenn**  
*Environmental  
Resources  
Management*

- **Integration of the Texas Title V and New Source Review Programs, the Consequential Effect on Permittees, and Related Systemic Compliance Strategies**

42767



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Darlington, Tom</b> <i>Air Improvement Research, Inc.</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Dastane-Rao, Abha</b> <i>Jnanakiran Quality Consulting</i>	■ <b>Training Auditors for Effective Auditing</b>	<b>42694</b>
<b>Daugherty, Douglas</b> <i>ENVIRON</i>	■ <b>Case Study of a Potency-Weighted Emission Screen: Initial Evaluation</b>	<b>42728</b>
<b>Davidson, Cliff I</b> <i>Carnegie Mellon University</i>	■ <b>Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	<b>42646</b>
<b>Davis, Wayne T</b> <i>University of Tennessee</i>	■ <b>The Effect of Personal Income on Vehicle Age and Vehicle Emissions</b>	<b>42612</b>
<b>Davis, Wayne T.</b> <i>University of Tennessee</i>	■ <b>Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6</b>	<b>42613</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Dayton, Dave-Paul <i>Eastern Research Group</i>	■ National Urban Air Toxics Monitoring Program 1987 through 2001	54943
De Brou, Gary B <i>Ontario Ministry of the Environment</i>	■ A Comparative Study of Toronto's Air Quality from an International, National and Regional Perspective	42928
De Salvo, Alan <i>Antelope Valley Air Pollution Control District</i>	■ Corraling the Dust in the Antelope Valley	45472
Delaney, B. Tod <i>First Environment, Inc.</i>	■ An Introduction to The SIGMA Project: Sustainability in Practice	42591
	■ Emission Reductions for New Coal Technology	42579
	■ Establishing Greenhouse Gas Baselines in Developing Countries: A case study of Mexico	42590
	■ The Business Case for Greenhouse Gas Management	42589



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Delaney, Elizabeth</b> <i>First Environment, Inc.</i>	■ <b>Optimizing Environmental Management Systems in the Power Industry</b>	<b>42592</b>
<b>Deshpande, Sonali</b> <i>Texas A&amp;M University - Kingsville</i>	■ <b>Kinetic Evaluation Of H2s And Ammonia Biofiltration For Air Emissions Control</b>	<b>43167</b>
<b>Deshusses, Marc</b> <i>University of California</i>	■ <b>An Environmental Friendly Method for Controlling Biomass in Biotrickling Filters for Air Pollution Control</b>	<b>43554</b>
	■ <b>Biological Treatment of NOx and SO2</b>	<b>43577</b>
	■ <b>Complete Nox and SO2 Treatment in a Biotrickling Filter - Bioreactor System</b>	<b>43571</b>
<b>Deshusses, Marc A.</b> <i>University of California</i>	■ <b>Biotrickling Filters for Odor Treatment at POTWs: Full-scale experiance with Converted Scrubbers</b>	<b>43558</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Diedrich, Guy <i>Austin Technology Ventures LLC</i>	■ Trading Of Locomotive Nox Emissions: A Potential Success Story	43095
Diesel, Adilson Luiz <i>Companhia Siderurgica De Tubarao</i>	■ Emissions From A Sinterizing Plant Using Statistical Models ■ Grande Vitória Air Quality Automatic Monitoring Network	42498 42502
Dillow, Tiffany L. <i>Dixon Environmental</i>	■ Regulatory Compliance Demonstrations Involving the Group 1 Polymer and Resins MACT and Title V at a Latex Products Plant	42686
Divita, Frank <i>E.H. Pechan and Associates</i>	■ The FHWA Particulate Matter Research Program	42797
Dixon, Michael <i>Dixon Environmental</i>	■ Update on the Miscellaneous Organic NESHAP (MON) Rule	42648
Dolan, Shawn <i>TRW</i>	■ Using the Delphi Method to Determine the Business Case	42751



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Dolwick, Patrick</b> <i>U.S. EPA</i>	■ <b>Evaluation and Sensitivity Studies of USEPA's Models-3 /CMAQ Annual Model Simulations over the Continental United States</b>	<b>42482</b>
<b>Dombrowski, Katherine D.</b> <i>University of Illinois</i>	■ <b>Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Donnelly, Brian</b> <i>ADA-ES, LLC</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Doorn, Michiel</b> <i>ARCADIS Geraghty &amp; Miller</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Doraiswamy, Prakash</b> <i>University of Tennessee</i>	■ <b>Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6</b>	<b>42613</b>
	■ <b>The Effect of Personal Income on Vehicle Age and Vehicle Emissions</b>	<b>42612</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Douglas, Everett L.</b> <i>US Navy, Aircraft Environmental Support Office</i>	■ <b>Comparison of Aircraft and Other Mobile Source Engine Testing Procedures</b>	<b>42466</b>
<b>Dunham, Grant</b> <i>Energy &amp; Environmental Research Center</i>	■ <b>Sorbent Development for Control of Mercury Emissions from Utility Power Plants</b>	<b>42889</b>
<b>Dunker, Alan</b> <i>General Motors Corporation</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Dunn, Dean</b> <i>United States Air Force</i>	■ <b>Federal Facilities Compliance Agreement for a Coal Fired Powerplant</b>	<b>42649</b>
<b>Durbin, Thomas D.</b> <i>CE-CERT University of California</i>	■ <b>An Estimate of the Emissions of Toxic Air Contaminants for Medium-Duty Diesel-Powered Vehicles</b>	<b>42700</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Durham, Michael</b> <i>ADA-ES, LLC</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Durosinmi, Femi</b> <i>Clark County, Nevada, Air Quality Management</i>	■ <b>Discoloration Of Stucco And Other Surfaces In The Southeast Las Vegas Valley, Nevada Caused By Manganese Particulate Deposition</b>	<b>42603</b>
<b>Dwight, Stephen K.</b> <i>Unisearch Associates</i>	■ <b>The Application Of Tunable Diode Laser System For Monitoring H2S In A Co-Generation Facility</b>	<b>43530</b>

**E**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Eatough, Delbert J</b> <i>Brigham Young University</i>	■ <b>Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	<b>42646</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Eatough, Delbert J. <i>Brigham Young University</i>	■ Comparison Of Pm1.0 And Pm2.5 Particulate Matter Measured With Teom And Pc-Boss On The Wasatch Front (Utah) July To September 2001	42678
	■ Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002	42675
	■ Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001	42657
Eatough, Norman <i>Brigham Young University</i>	■ Comparison Of Pm1.0 And Pm2.5 Particulate Matter Measured With Teom And Pc-Boss On The Wasatch Front (Utah) July To September 2001	42678
Eatough, Norman L. <i>Brigham Young University</i>	■ Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002	42675
	■ Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001	42657
Ebner, Tim <i>Apogee Scientific</i>	■ FIELD STUDIES OF MERCURY CONTROL USING INJECTED SORBENTS	43568



AUTHOR	PAPER TITLE	PAPER NUMBER
Echeverri, Carlos <i>Universidad de Medellin</i>	■ MerCAP: A Novel Approach for Vapor Phase Mercury Capture	43569
	■ Particulate Matter Dispersion in Urban Environments in Colombia	42369
Edgerton, E. <i>Envair/Aerochem</i>	■ Carbon in Southeastern Aerosol Particles	43064
Edgerton, Eric <i>Atmospheric Research &amp; Analysis, Inc.</i>	■ Filter -Based Measurements of PM <sub>2.5</sub> Mass and Composition in SEARCH	42871
	■ Four Years of SEARCH and Counting	42287
	■ Investigation of Sampling Artifacts in the Federal Reference Method for PM <sub>2.5</sub>	42874
	■ Measurement of Trace Gas Oxidants, Precursors and Tracers in SEARCH	42887
	■ Real-time Measurements of PM <sub>2.5</sub> Mass and Composition in SEARCH	42873



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Edwards, Christina</b> <i>First Environment, Inc.</i>	<b>■ Optimizing Environmental Management Systems in the Power Industry</b>	<b>42592</b>
<b>Edwards, Harry</b> <i>Colorado State University</i>	<b>■ Reducing Remelting in Manufacturing Extruded Aluminum Products</b>	<b>42919</b>
<b>Ehrman, Sheryl H</b> <i>University of Maryland</i>	<b>■ Evaluation of Methods for Preprocessing of Emissions from On-Road Mobile Sources</b>	<b>43134</b>
<b>ELIAS, Donald F.</b> <i>RTP Environmental Associates, Inc.</i>	<b>■ What is BACT for Nitrogen Oxides on Municipal Waste Combustors?</b>	<b>43563</b>
<b>Ellis, Howard</b> <i>Enviroplan Consulting</i>	<b>■ Comparison of the Most Recent BACT/LAER Determinations for Combustion Turbines by State Air Pollution Agencies</b>  <b>■ Survey of the Difficulty of Obtaining Environmental Permits for the Construction and Operation of New Power Generation Capacity in 28 States</b>	<b>42752</b>  <b>42670</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Emery, Christopher</b> <i>ENVIRON International Corporation</i>	■ <b>Recent Advances in Photochemical Air Quality Modeling Using the CAMx Model: Current Update and Ozone Modeling of Point Source Impacts</b>	<b>43180</b>
<b>Emison, Gerald Andrews</b> <i>U.S. EPA</i>	■ <b>A Subnational Assessment of Sprawl Characteristics and Ozone Control Effectiveness</b>	<b>41929</b>
<b>England, Ellen C.</b> <i>University of Missouri-Rolla</i>	■ <b>Heat Transfer and Toluene Removal in Bench Scale Membrane Bioreactors</b>	<b>42969</b>
<b>Engle, Monica S.</b> <i>Colorado State University</i>	■ <b>The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze</b>	<b>88881</b>
<b>Ergas, Sarina J.</b> <i>University of Massachusetts Amherst</i>	■ <b>Hollow Fiber Membrane Bioreactor (HFMB) for the Nitric Oxide Removal</b>	<b>42715</b>
<b>Estévez, Sandra</b> <i>University of Los Andes</i>	■ <b>Volatile Organic Compounds In Landfill Gas At The Colombian Biggest Municipal Waste Disposal Site</b>	<b>42196</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Evanoff, John</b> <i>Illinois Department of Commerce and Community Affairs</i>	■ <b>Pre-Commercialization of 'E diesel' Fuels In Off-Road Applications</b>	<b>42740</b>
<b>Evans, Melissa C.</b> <i>University of South Florida</i>	■ <b>Do Macroparticles Contain Nitrogen?</b>	<b>42931</b>

**F**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Fall, Edward</b> <i>Utah Division of Environmental Response and Remediation</i>	■ <b>Comparison of Surface Flux Chamber Emission Measurements to Modeled Vapor Emissions from Subsurface Contamination</b>	<b>42734</b>
<b>Fang, Yan</b> <i>Hunan University</i>	■ <b>Full-Scale Investigation on Desulfurization During Combustion In Coal-Fired Boilers</b>	<b>43007</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Farber, Robert <i>Southern California Edison Company</i>	■ Corraling the Dust in the Antelope Valley	45472
Fatogoma, Ouattara Chris <i>EA Engineering, Science and Technology</i>	■ Results of Modeling the Air Quality Impact of a Proposed Parking Garage in Baltimore, Maryland  ■ Winter Use Transportation Air Quality Impacts at the West Yellowstone Entrance	41089  43085
Fax, Gene <i>The Cadmus Group, Inc</i>	■ Spin Off of Selected CEMS-Related QA Activities	42583
Fees, David F. <i>Air Quality Section, DAWM- DNREC</i>	■ Emission Trends of VOC and NOx in Delaware Rate-of-Progress Planning and Periodic Emission Inventories	45357
Felker, Andee <i>TRW</i>	■ Air Program Management Systems  ■ Air Program Mgmt Systems	42745  42748
Felland, Chuck <i>TSI Incorporated</i>	■ Solving Elusive IAQ Problems with Ultrafine Particle Tracking	47777



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Ferreira, Antonio Maximiliano</b> <i>Companhia Siderurgica de Tubarao</i>	<b>■ Emissions From A Sinterizing Plant Using Statistical Models</b>	42498
<b>Finn, Stephanie</b> <i>Eastern Research Group</i>	<b>■ QC/QA - An Integral Step in the Development of the 1999 National Emissions Inventory for HAPs</b>	42283
<b>Fisher, Walt G.</b> <i>Galt Technologies, LLC</i>	<b>■ Development of Remote Sensing Instrumentation for NO<sub>x</sub> and PM Emissions from Heavy Duty Trucks</b>	42520
<b>Fitch, Mark W.</b> <i>University of Missouri-Rolla</i>	<b>■ Heat Transfer and Toluene Removal in Bench Scale Membrane Bioreactors</b>	42969
<b>Flederbach, Jr., William E.</b> <i>O'Brien &amp; Gere Engineers, Inc.</i>	<b>■ LAER Success Story - Persistence pays off, client saves \$5 million</b>	43031
	<b>■ USEPA's National Nitrate Compliance Agreement - Amnesty Shield Provides Opportunity for Facilities to Clean House</b>	43058



AUTHOR	PAPER TITLE	PAPER NUMBER
Fleri, Mark A. <i>Williams Environmental Services</i>	■ Stabilization And Thermal Treatment For Remediation Of Mgp (Manufactured Gas Plant) Sites	59999
Fontaine, Donald <i>Dow Chemical Company</i>	■ A Screening Evaluation of Glutaraldehyde Deposition from Cooling Tower Drift	41844
Foote, Darin <i>John Zink Co. LLC</i>	■ NOx Emissions Reduction Technologies in the Petrochemical and Refining Industries	42935
Forbes, Rose <i>Air Force Center for Environmental Excellence</i>	■ Fuel Spill-12: A Case Study in Remediation	42996
Ford, Glenna <i>GreenWare Environmental Systems Inc.</i>	■ Benefits and Cost Savings of Implementing an Environmental Management Information System	43172
	■ Benefits of Integrated Management System and Environmental Audits	43173
	■ Managing Environmental Information In The 21st Century: New Technologies, New Tools	43168



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Forte, Reynaldo</b> <i>U.S. EPA</i>	■ <b>Using New Information Technology to Benchmark and Integrate Environmental and Financial Performance Information</b>	<b>43179</b>
<b>Fowler, Richard B.</b> <i>URS Corporation</i>	■ <b>Using Software Tools to conduct Integrated Environmental and Quality Management System Audits</b>	<b>43177</b>
<b>Forte, Reynaldo</b> <i>U.S. EPA</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Fowler, Richard B.</b> <i>URS Corporation</i>	■ <b>Pollution Prevention in Weapon System Test and Evaluation</b>	<b>43433</b>
<b>Fox, Douglas G.</b> <i>Colorado State University</i>	■ <b>Initial REMSAD Simulation of Sulfate Aerosol for the BRAVO Study</b>	<b>99999</b>
<b>Fraser, Duncan</b> <i>Ontario Ministry of the Environment</i>	■ <b>A Comparative Study of Toronto's Air Quality from an International, National and Regional Perspective</b>	<b>42928</b>
<b>Fox, Douglas G.</b> <i>Colorado State University</i>	■ <b>The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze</b>	<b>88881</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Freeman, W. Peter <i>NUCON International, Inc.</i>	■ Achieving Low Mercury Concentrations In Chlor-Alkali Wastewaters	42621
Freitas, John <i>TRW</i>	■ Air Program Management Systems	42745
	■ Air Program Mgmt Systems	42748
Frey, Elizabeth A. <i>Delaware Dept of Natural Resources</i>	■ Innovative PM10/TSP Monitoring Strategy In Development of Petroleum Coke Handling Permit	45407
Frey, Henry C <i>North Carolina State University</i>	■ Development of a Software Module for Statistical Analysis of Variability and Uncertainty	42158
	■ Hot Spot Analysis Of Real World Vehicle Emissions Based Upon A Portable On-Board Measurement System	42159
	■ Methods and Example for Development of a Probabilistic Per-Capita Emission Factor for VOC Emissions from Consumer/Commercial Product Use	42162



AUTHOR	PAPER TITLE	PAPER NUMBER
	■ Quantification of Variability and Uncertainty in Hourly NOx Emissions from Coal-Fired Power Plants	41999
Fry, Katherine <i>Sierrapine, LTD.</i>	■ Biofiltration of Particleboard Press Vent Emissions	42908
Fu, Joshua <i>University of Tennessee</i>	■ The Effect of Personal Income on Vehicle Age and Vehicle Emissions	42612
Fu, Joshua S. <i>University of Tennessee</i>	■ Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6	42613
Fuller, William <i>ICF Consulting</i>	■ An Evaluation of the Impact on Human Health Associated with the Combustion of Materials during Fire Fighter Training Scenarios	42636
Fuller, William G. <i>ENVIRON International Corporation</i>	■ Evaluation of Source Area Variation on Texas Risk Reduction Program Equations	43150



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Fulton, Ronald C.</b> <i>RETTEW Associates, Inc.</i>	■ <b>Evaluating the Appropriateness of AP-42 Emission Factors</b>	<b>42666</b>

**G**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Gaac, Glenn</b> <i>Municipality of Odiongan, Rural Health Unit</i>	■ <b>Solid Waste Management in the Philippines: A Peace Corps Experience</b>	<b>43473</b>
<b>Gabriel, David</b> <i>University of California</i>	■ <b>Biotrickling Filters for Odor Treatment at POTWs: Full-scale experience with Converted Scrubbers</b>	<b>43558</b>
<b>Gaines, Linda</b> <i>Argonne National Laboratory</i>	■ <b>Trading Of Locomotive Nox Emissions: A Potential Success Story</b>	<b>43095</b>
<b>Gamble, Heather A</b> <i>Unisearch Associate</i>	■ <b>Development of a Compact Raman Spectrometer for Detecting Product Interfaces in a Gasoline Pipeline</b>	<b>43431</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Gao, Frank F.</b> <i>Air Quality Section, DAWM- DNREC</i>	■ <b>Emission Trends of VOC and NOx in Delaware Rate-of-Progress Planning and Periodic Emission Inventories</b>	<b>45357</b>
<b>García-Peña, Inés</b> <i>Universidad Autonoma Metropolitana</i>	■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b>	<b>42904</b>
<b>Garner, Loren G.</b> <i>Bio-Reaction Industries, LLC</i>	■ <b>Biofiltration - A Disruptive Technology for Sustainable Air Pollution Control</b>	<b>42633</b>
<b>Garrison, James</b> <i>Science Applications International Corporation</i>	■ <b>Range UXO and Residue Strategic Planning - 'Ensuring Safety and Sustainability'</b>	<b>42914</b>
	■ <b>Writing a Title V Permit - A Team Approach</b>	<b>42870</b>
<b>Garrison, Mark</b> <i>ERM</i>	■ <b>Air Impacts of Distributed Generation Power Sources in Maryland</b>	<b>42920</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Gasca, Jorge <i>Instituto Mexicano del Petroleo</i>	■ Modeling of Regional Transport and Dispersion of PM10 in Central Mexico	43344
Gau, Sue-Huai	■ Use of Precipitation Data to Develop and Modify the Leachate Model from Landfill of MSW Combined with Incineration Ashes	43002
Gauvin, Debra A. <i>Earth Tech, Inc.</i>	■ Achieving Low Mercury Concentrations In Chlor-Alkali Wastewaters	42621
George, Emma Lou <i>US EPA</i>	■ Tools and Approaches to Organizational Pollution Prevention	41749
Georgopoulos, Panos G <i>Environmental and Occupational Health Sciences Institute</i>	■ Application of Geostatistical Analysis and GIS Tools for Characterizing Contamination at the USDOE Savannah River Site	43542
	■ Evaluation of grid-based ozone and PM modeling for a 1999 summer episode	43182



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Georgopoulos, Panos G.</b> <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	■ <b>Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework</b>	<b>43224</b>
<b>Germain, Andre</b> <i>Environment Canada</i>	■ <b>Issues Related to Benzene in Eastern Montreal (Quebec) Canada</b>	<b>42265</b>
<b>Gertler, Alan</b> <i>Desert Research Institute,</i>	■ <b>Application of a Multi-lag Regression Approach to Determine On-Road PM10 and PM2.5 Emission Rates</b>	<b>42967</b>
	■ <b>Comparison Between the Cairo Lead Inventory and Source Attribution Results</b>	<b>42962</b>
	■ <b>Sources of PM10, PM2.5, and VOCs in the Greater Cairo Area</b>	<b>42840</b>
<b>Gesser, Ryan</b> <i>Trinity Consultants</i>	■ <b>Practical Applications of Overwater Meteorological Data to CALMET Modeling in Coastal Domains</b>	<b>43096</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ghim, Young Sung</b> <i>Korea Institute of Science and Technology</i>	■ <b>Visibility Trends in Korea During the Past Two Decades</b>	<b>43010</b>
<b>Gillen, Art</b> <i>First Environment, Inc.</i>	■ <b>EO 13148 - An Overview of the Requirements &amp; How to Comply Using ISO 14001</b>	<b>42595</b>
<b>Gillette, Dale A.</b> <i>NOAA/U.S. Department of Commerce</i>	■ <b>Airborne Dust Removal by Vegetative Groundcover</b>	<b>55552</b>
<b>Gillies, John</b> <i>Desert Research Institute,</i>	■ <b>Application of a Multi-lag Regression Approach to Determine On-Road PM10 and PM2.5 Emission Rates</b>	<b>42967</b>
<b>Ginter, David</b> <i>Catalytica Energy Systems, Inc.</i>	■ <b>Determining VOC Emissions for Gas Turbines which Use the Latest Emission Control Technologies</b>	<b>43191</b>
<b>Giraldo, Eugenio</b> <i>University of Los Andes</i>	■ <b>Volatile Organic Compounds In Landfill Gas At The Colombian Biggest Municipal Waste Disposal Site</b>	<b>42196</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Goliff, Wendy</b> <i>Desert Research Institute</i>	■ <b>Effects of Long-Term Storage on Samples Collected on Tenax-TA</b>	<b>42098</b>
<b>Goliff, Wendy S</b> <i>Desert Research Institute</i>	■ <b>The Central California Ozone Study: Analysis of Actinic Flux Measurements</b>	<b>41757</b>
<b>Gomez, Santiago</b> <i>SGA</i>	■ <b>Particulate Matter Dispersion in Urban Environments in Colombia</b>	<b>42369</b>
<b>Gonzalez, Enrique</b> <i>Instituto Mexicano del Petroleo</i>	■ <b>Modeling of Regional Transport and Dispersion of PM10 in Central Mexico</b>	<b>43344</b>
<b>González, Laura</b> <i>Instituto Nacional de Ecología</i>	■ <b>Concentrations of Benzene and its Importance in the Atmosphere of the Mexico City Metropolitan Zone</b>	<b>42743</b>
<b>Goodman, Abby</b> <i>Trinity Consultants</i>	■ <b>Implementing EPA's Proposed AERMOD Dispersion Model for the Cement, Lime, and Non-Metallic Mineral Industries</b>	<b>43196</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Gostomski, Peter</b> <i>University of Canterbury</i>	■ <b>Modelling the Mass &amp; Energy Balance in a Compost Biofilter</b>	<b>42108</b>
<b>Graettinger, Andrew</b> <i>University of Alabama Tuscaloos, Civil and Environmental Engineering</i>	■ <b>New Methods on Probabilistic Dispersion Modeling</b>	<b>42897</b>
<b>Granell, Jessica L.</b> <i>Georgia Institute of Technology</i>	■ <b>VIN Decoder Software Limitations for Fleet Characterization in Emissions Modeling</b>	<b>42651</b>
<b>Grant, Mike</b> <i>John Zink Co. LLC</i>	■ <b>NOx Emissions Reduction Technologies in the Petrochemical and Refining Industries</b>	<b>42935</b>
<b>Grantz, David A.</b> <i>University of California at Riverside</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Greenly, George</b> <i>GSQRD Associates LLC,</i>	■ <b>Environmental Mentoring: A Paradigm Shift in Regulatory Compliance For The Business Community</b>	<b>42495</b>
<b>Gregson, Benjamin P.</b> <i>Department of Defense</i>	■ <b>Environmental Impacts of Explosives at the Massachusetts Military Reservation</b>	<b>43082</b>
<b>Grelinger, Mary Ann</b> <i>Midwest Research Institute</i>	■ <b>Airborne Dust Removal by Vegetative Groundcover</b>	<b>55552</b>
	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Grogan, David</b> <i>D.B. Grogan Associates, Inc.</i>	■ <b>Combined Cycle Conversion and Case Study for an Existing 1200 MW Utility Plant</b>	<b>45491</b>
<b>Grosjean, Daniel</b> <i>DGA Inc.</i>	■ <b>Vehicular Impact Assessment in Rio de Janeiro, Brazil, Urban Air Quality</b>	<b>42623</b>
<b>Groskreutz, Renee</b> <i>CH2M Hill</i>	■ <b>Using Forced Air Systems to Control Moisture and Odors</b>	<b>43314</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Guensler, Randall L.</b> <i>Georgia Institute of Technology</i>	■ <b>VIN Decoder Software Limitations for Fleet Characterization in Emissions Modeling</b>	<b>42651</b>
<b>Guimarães, Austregésilo Ferreira</b> <i>Companhia Vale do Rio Doce</i>	■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b>	<b>42502</b>
<b>Gupta, Ajay Durr</b> <i>Environmental Inc.</i>	■ <b>Effect of Operating Parameters on the Performance of ZSM-5 Zeolite Honeycomb Rotor for VOCS Treatment</b>	<b>43023</b>



## H

AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Haines, Patrick</b> <i>URS Group</i>	■ <b>Modeling Wind Erosion Impacts Following a Grassland Fire</b>	<b>43420</b>
<b>Halecky, Martin</b> <i>Institute of Cemical Technology</i>	■ <b>Removal of Aliphatic Gasoline Compounds in Perlite Biofilter</b>	<b>43012</b>
<b>Han, Chang-Ho</b>	■ <b>A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System</b>	<b>42548</b>
<b>Han, Young Ji</b> <i>Ewha Womans University</i>	■ <b>Ambient concentration of particulate Polycyclic Aromatic Hydrocarbons(PAHs) and their dry deposition in Korea</b>	<b>42849</b>
<b>Hanisak, Kimberly</b> <i>MCNC Environmental Programs</i>	■ <b>Estimating Future-Year Ozone Design Values with Two Regional-Scale Modeling Systems in North Carolina</b>	<b>43083</b>
<b>Hanna III, William M.</b> <i>ERM, Inc.</i>	■ <b>Miscellaneous Organic NESHAP (MON) Preparation</b>	<b>43258</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hannaway, Gordon Randy</b> <i>University of South Florida</i>	■ <b>An Evaluation of the Errors Associated With Loss of Puffs at the Boundary of the CALPUFF Modeling Domain</b>	<b>42432</b>
<b>Hannum, Mark C.</b> <i>North American Manufacturing Co.</i>	■ <b>Benefits Of Lean Premix Combustion Technology To Thermal Oxidation</b>	<b>45470</b>
<b>Hansen, D. Alan</b> <i>Electric Power Research Institute</i>	■ <b>Filter -Based Measurements of PM2.5 Mass and Composition in SEARCH</b>	<b>42871</b>
	■ <b>Four Years of SEARCH and Counting</b>	<b>42287</b>
	■ <b>Investigation of Sampling Artifacts in the Federal Reference Method for PM2.5</b>	<b>42874</b>
	■ <b>Measurement of Trace Gas Oxidants, Precursors and Tracers in SEARCH</b>	<b>42887</b>
<b>HANSEN, D. Alan</b> <i>Electric Power Research Institute</i>	■ <b>Real-time Measurements of PM2.5 Mass and Composition in SEARCH</b>	<b>42873</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Hanson, Donald <i>Argonne National Laboratory</i>	■ Electric Generator Technology and Economics under a Carbon Restriction	43116
Harrington, Paul <i>Apogee Scientific</i>	■ FIELD STUDIES OF MERCURY CONTROL USING INJECTED SORBENTS	43568
	■ Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant	43249
Harris, Bruce <i>US EPA</i>	■ Open-Path FTIR Measurement of NOx and other Diesel Emissions	43388
Harris, D Bruce <i>U.S. EPA</i>	■ Radial Computed Tomography Of Air Contaminantas Using Optical Remote Sensing	45415
Harris, Melinda <i>ICF Consulting</i>	■ Internal Trading of Greenhouse Gas Emissions	43073
Harrison, Jaime M. <i>University of Massachusetts</i>	■ Hollow Fiber Membrane Bioreactor (HFMB) for the Nitric Oxide Removal	42715



AUTHOR	PAPER TITLE	PAPER NUMBER
Harten, Teresa <i>U.S. EPA</i>	■ The U.S. EPA's Environmental Technology Verification (ETV) Program	43556
Hartsell, B. <i>Envair/Aerochem</i>	■ Carbon in Southeastern Aerosol Particles	43064
Hartsell, Ben <i>Atmospheric Research &amp; Analysis, Inc.</i>	■ Investigation of Sampling Artifacts in the Federal Reference Method for PM <sub>2.5</sub>	42874
	■ Measurement of Trace Gas Oxidants, Precursors and Tracers in SEARCH	42887
	■ Real-time Measurements of PM <sub>2.5</sub> Mass and Composition in SEARCH	42873
Hartsell, Benjamin <i>Atmospheric Research &amp; Analysis, Inc.</i>	■ Filter -Based Measurements of PM <sub>2.5</sub> Mass and Composition in SEARCH	42871
	■ Four Years of SEARCH and Counting	42287
Hasan, Shams <i>South Coast Air Quality Management District</i>	■ Structuring an Emissions Offset Solution for New Power Plants in the Los Angeles Basin in the Midst of California's Energy Crisis	41934



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hashmonay, Ram</b> <i>Arcadis</i>	<b>■ Development of Optical Remote Sensing Protocol for the Measurement of Nonpoint Emission Sources</b>	<b>45483</b>
	<b>■ Open-Path FTIR Measurement of NOx and other Diesel Emissions</b>	<b>43388</b>
<b>Hashmonay, Ram A</b> <i>Arcadis G&amp;M</i>	<b>■ Radial Computed Tomography Of Air Contaminantas Using Optical Remote Sensing</b>	<b>45415</b>
<b>Hay, James K.</b> <i>US Army Construction Engineering Research Laboratory</i>	<b>■ Characterization Of Physical, Thermal And Adsorption Properties Of A Series Of Activated Carbon Fiber Cloths</b>	<b>43166</b>
<b>Hay, K. James</b> <i>U.S. Army Corps of Engineers</i>	<b>■ Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Hayden, Paul H</b> <i>EA Engineering, Science, and Technology, Inc.</i>	<b>■ Redeveloping Baltimore's Historic Breweries</b>	<b>42760</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hayes, Robert</b> <i>John Zink Co. LLC</i>	■ <b>NOx Emissions Reduction Technologies in the Petrochemical and Refining Industries</b>	<b>42935</b>
<b>Hayes, Jr., Joseph S.</b> <i>American Kynol, Inc.</i>	■ <b>Nanostructure of Activated Carbon Fibers and Kinetics of Adsorption/Desorption</b>	<b>43052</b>
<b>Haythornthwaite, Sheila</b> <i>Reliant Energy</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Hayward, Jeffrey J.</b> <i>NC DAQ, Toxics Protection Branch</i>	■ <b>Hydrogen Sulfide Study near Petroleum Asphalt Plants</b>	<b>45487</b>
<b>Haywood, Jordan M.</b> <i>Siemens Westinghouse Power Corp</i>	■ <b>Uncertainty in Power Plant Sound Level Surveys</b>	<b>53333</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Heath, Scott</b> <i>RTP Environmental Associates, Inc.</i>	■ <b>What is BACT for Nitrogen Oxides on Municipal Waste Combustors?</b>	<b>43563</b>
<b>Heeren, Jim</b> <i>First Environment, Inc.</i>	■ <b>Design for Environment and the ISO Standards</b>	<b>42593</b>
	■ <b>Emission Reductions for New Coal Technology</b>	<b>42579</b>
<b>Heiken, Jeremy</b> <i>Air Improvement Research, Inc.</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Heinerikson, Arron</b> <i>Trinity Consultants</i>	■ <b>Implementing EPA's Proposed AERMOD Dispersion Model for the Cement, Lime, and Non-Metallic Mineral Industries</b>	<b>43196</b>
<b>Heinold, David</b> <i>ENSR International</i>	■ <b>Modeling Accidental Releases of Toxic Reactive Gases</b>	<b>43053</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<p><b>Heinold, David W.</b> <i>ENSR Corporation</i></p>	<p>■ <b>FLAG Aftermath: Effects of the Federal Land Managers Modeling Guidance on CALPUFF Applications for New Source Permitting</b></p>	<p><b>42534</b></p>
<p><b>Held, Joann</b> <i>New Jersey Department of Environmental Protection</i></p>	<p>■ <b>An Assessment of Air Toxic Concentrations and Associated Health Risks across New Jersey using NATA</b></p>	<p><b>41909</b></p>
<p><b>Henderson, Derek</b> <i>ENSR</i></p>	<p>■ <b>Odor Control Efforts at a Soybean Processing Facility</b></p>	<p><b>41881</b></p>
<p><b>Hendrix-Holmes, Heather</b> <i>University of South Florida</i></p>	<p>■ <b>Can Bulk Deposition Measurements Reasonably Estimate Nitrogen Deposition Rates?</b></p>	<p><b>42494</b></p>
	<p>■ <b>Do Macroparticles Contain Nitrogen?</b></p>	<p><b>42931</b></p>
<p><b>Hernández, Sergio</b> <i>Universidad Autonoma Metropolitana</i></p>	<p>■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b></p>	<p><b>42904</b></p>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hersey, Chuck</b> <i>Southeast Michigan Council of Governments</i>	■ <b>New Challenges Presented by an Eight-Hour Ozone Standard in Southeast Michigan</b>	<b>42881</b>
<b>Hershman, Lance</b> <i>University of California, Davis</i>	■ <b>Aerobic Removal NO on Carbon Foam Packings</b>	<b>43550</b>
<b>Heuss, Jon</b> <i>Air Improvement Resource, Inc.</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Hidy, George</b> <i>Envair/Aerochem</i>	■ <b>Carbon in Southeastern Aerosol Particles</b>	<b>43064</b>
	■ <b>Effects of Changes in Sulfate, Ammonia, and Nitric Acid on Particle Composition in the Southeastern United States</b>	<b>42685</b>
<b>Hill, Abby</b> <i>U.S. EPA</i>	■ <b>The U.S. EPA's Environmental Technology Verification (ETV) Program</b>	<b>43556</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hill, Jerry</b> <i>Bechtel Corporation</i>	■ EPA's Newest Set of Standards for the Refining Industry - The Consent Decree	42050
<b>Hill, Michael O.</b> <i>TRC Companies</i>	■ Using Third Party Assumption of Environmental Liabilities to Manage Financial Risk	41910
<b>Hincapie, Ingrid</b> <i>University of Los Andes</i>	■ Volatile Organic Compounds In Landfill Gas At The Colombian Biggest Municipal Waste Disposal Site	42196
<b>Ho, Kin-Fai</b> <i>Hong Kong Polytechnic University</i>	■ Charaterization of PM10 and PM2.5 Source Profiles for Soil and Paved Road Dust in Hong Kong	42858
<b>Ho, Steven S.H.</b> <i>Hong Kong University of Science &amp; Technology</i>	■ Collection And Analysis Of Airborne Carbonyls By On-Sorbent Derivatization and Thermal Desorption	43022
<b>Hober, Michael J</b> <i>RTP Environmental Associates, Inc.</i>	■ What is BACT for Nitrogen Oxides on Municipal Waste Combustors?	43563



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hogrefe, Christian</b> <i>University at Albany</i>	■ <b>Temporal and spatial variability of ozone production efficiencies over the eastern United States</b>	<b>43110</b>
<b>Hohl, Howard</b> <i>Eisenmann Corporation</i>	■ <b>CASE HISTORY: RTO Thermal Efficiency, What Does The Phrase Really Mean?</b>	<b>42959</b>
<b>Holland, Andrew</b> <i>MCNC Environmental Programs</i>	■ <b>Estimating Future-Year Ozone Design Values with Two Regional-Scale Modeling Systems in North Carolina</b>	<b>43083</b>
<b>Hollander, Michael</b> <i>Registry Consultants</i>	■ <b>Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b>	<b>45774</b>
<b>Holmen, Britt</b> <i>University of Connecticut</i>	■ <b>Ultrafine Particle Number Concentrations And Size Distributions Of Diesel, Natural Gas, And Trap-Equipped Diesel Transit Buses Measured With An Electrical Low Pressure Impactor</b>	<b>42563</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Holmes, Michael</b> <i>Energy &amp; Environmental Research Center</i>	■ <b>Sorbent Development for Control of Mercury Emissions from Utility Power Plants</b>	<b>42889</b>
<b>Hong, Chong-Ching</b> <i>Da-Yeh University</i>	■ <b>Recycling Of Scrap Integrated Circuits</b>	<b>42406</b>
<b>Hooper, Beverley</b> <i>Monash University</i>	■ <b>Particulate Matter and Associated Polycyclic Aromatic Hydrocarbons in Bangkok</b>	<b>45411</b>
<b>Hooper, Martin</b> <i>Monash University</i>	■ <b>Particulate Matter and Associated Polycyclic Aromatic Hydrocarbons in Bangkok</b>	<b>45411</b>
<b>Hornyik, Irene</b> <i>CH2M HILL</i>	■ <b>Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	<b>43454</b>
<b>Hottenstein, Larry N.</b> <i>URS Corporation</i>	■ <b>Characterizing Open Burn Emissions During Actual Field Burns of Propellants and Laboratory Waste</b>	<b>43527</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Hoyt, Steve X</b> <i>Environmental Analytical Services</i>	■ <b>Differentiating Multiple Sources of Subsurface Contamination by Similar Petroleum Products- Air Pathway Analysis Used in Conjunction with Routine Multimedia Site Assessment Technologies</b>	<b>42785</b>
<b>Hsieh, S.L.</b> <i>Administration Office of Science Based Industrial Park</i>	■ <b>Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan</b>	<b>43049</b>
<b>Huang, Andrew</b> <i>Los Angeles World Airports</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Huang, Jia-Hung</b> <i>ITRI/CESH</i>	■ <b>The Application of Dehumidification Process in Sludge Drying</b>	<b>42706</b>
<b>Huang, Jia-Ming</b> <i>ITRI/CESH</i>	■ <b>The Application of Dehumidification Process in Sludge Drying</b>	<b>42706</b>
<b>Huang, Ling-Hsuan</b> <i>National Sun Yat-Sen University</i>	■ <b>The Influence on De-NO over Copper Catalyst Modified with Acids</b>	<b>45375</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Huang, Ming-He</b> <i>National Sun Yat-Sen University</i>	<b>■ The Influence of Operation Condition and Meteorological Factors on the Characteristics of Volatile Organic Compounds in the Surrounding Area of an Oil Storage and Pumping Station</b>	<b>45359</b>
<b>Huber, Alan H</b> <i>Air Resources Laboratory, NOAA</i>	<b>■ Application of a Microscale Emission Factor Model for Particulate Matter (MicroFacPM) to Calculate Vehicle Generated Contribution of PM2.5 Emissions</b>	<b>42825</b>
	<b>■ Application of a Microscale Emission Factor Model for Particulate Matter (MicroFacPM) in Conjunction with CALINE4 Model</b>	<b>42816</b>
<b>Huckaby, Jason M.</b> <i>Eastern Research Group</i>	<b>■ National Urban Air Toxics Monitoring Program 1987 through 2001</b>	<b>54943</b>
<b>Hudgens, Shelby R.</b> <i>Unimin Corporation1</i>	<b>■ Advanced Methods for Estimating Annual Stockpile Emissions</b>	<b>42572</b>
<b>Hugill, Chris</b> <i>InteGreyted Consultants LLC</i>	<b>■ Successful Design and Deployment of a Comprehensive Web-enabled Audit and Assessment System</b>	<b>43205</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>HUNG, Chang-Mao</b> <i>National Sun Yat-Sen University</i>	■ <b>The Influence on De-NO over Copper Catalyst Modified with Acids</b>	<b>45375</b>
<b>Hung, Ming-Jui</b> <i>Mingchi Institute of Technology</i>	■ <b>The Evaluation of Color Changes in Sludge Brick By Using Image Analysis Method</b>	<b>42545</b>
<b>Hwang, In Jo</b> <i>KyungHee University</i>	■ <b>Source Identification and Quantification of Coarse and Fine particles by TTFA and PMF</b>	<b>43292</b>
<b>Hydari, Nishat</b> <i>Enviroplan Consulting</i>	■ <b>Comparison of the Most Recent BACT/LAER Determinations for Combustion Turbines by State Air Pollution Agencies</b>	<b>42752</b>
<b>Hyder, Martha</b> <i>Wind River Environmental Group LLC</i>	■ <b>Modeling Wind Erosion Impacts Following a Grassland Fire</b>	<b>43420</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<p><b>Iaiennaro, Nick</b> <i>Department of Defense, NAE-USACE</i></p>	<p>■ <b>Field Assessment of Safe to Move Suspect RCRA Unexploded Ordnance to Assess Whether High Explosives Are Present in the Filler</b></p>	<p><b>42653</b></p>
<p><b>Ignacio, Luiz Ribeiro</b> <i>Companhia Vale do Rio Doce</i></p>	<p>■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b></p>	<p><b>42502</b></p>
<p><b>Ikemoto, Nao</b> <i>First Environment, Inc.</i></p>	<p>■ <b>An Introduction to The SIGMA Project: Sustainability in Practice</b></p>	<p><b>42591</b></p>
<p><b>Im, Yong-Seok</b></p>	<p>■ <b>A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System</b></p>	<p><b>42548</b></p>
<p><b>Irvin, T. Rick</b> <i>Registry Consultants</i></p>	<p>■ <b>Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b></p>	<p><b>45774</b></p>
<p><b>Iverson, Dale G.</b> <i>Phillips 66 San Francisco Refinery</i></p>	<p>■ <b>The Long-term Development, Maintenance and Operation of a Fenceline Monitoring System Using Multiple Optical Sensing Technologies</b></p>	<p><b>43117</b></p>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Izawa, Maki</b> <i>Laboratory of Biocatalyst Technology Tottori University</i>	■ <b>Removal of Acrylonitrile and Styrene by a Packed Tower Biofilter</b>	<b>42851</b>

**J**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Jackson, Walter</b> <i>Waterlink Sutcliffe Croftshaw Ltd.</i>	■ <b>Design, Construction And Long-Term Performance Of Novel Type Of Industrial Biotrickling Filters For Voc Control</b>	<b>42602</b>
<b>Jacobsen, Kurt</b> <i>Wingra Engineering</i>	■ <b>Influence of Emission Estimates on a BACT Determination for Iron Foundry Core Making Operations</b>	<b>42946</b>
	■ <b>Using a Flexible Compliance Strategy to Issue a Title V Operation Permit</b>	<b>42941</b>
<b>Jacobson, Lisa</b> <i>Sustainable Strategies</i>	■ <b>Establishing Greenhouse Gas Baselines in Developing Countries: A case study of Mexico</b>	<b>42590</b>
	■ <b>The Business Case for Greenhouse Gas Management</b>	<b>42589</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Jang, Carey <i>U.S. EPA</i>	■ Evaluation and Sensitivity Studies of USEPA's Models-3 /CMAQ Annual Model Simulations over the Continental United States	42482
Jansen, J. <i>Envair/Aerochem</i>	■ Carbon in Southeastern Aerosol Particles	43064
Jansen, John <i>Southern Company</i>	■ Filter -Based Measurements of PM2.5 Mass and Composition in SEARCH	42871
	■ Investigation of Sampling Artifacts in the Federal Reference Method for PM2.5	42874
	■ Measurement of Trace Gas Oxidants, Precursors and Tracers in SEARCH	42887
	■ Real-time Measurements of PM2.5 Mass and Composition in SEARCH	42873
Janssen, Julie <i>San Diego State University</i>	■ Corraling the Dust in the Antelope Valley	45472
Jeon, Eui-Chan <i>Dongshin University</i>	■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System	42548



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Jia, John</b> <i>Shell Petroleum Development Company of Nigeria Limited., Spills/Waste Streams-W, Environmental Assessment Department</i>	<b>■ Environmental Awareness Training (EAT) in Shell Petroleum Development Company of Nigeria: A Tool for Pollution Control and Environmental Sustainability in the Niger Delta</b>	42729
<b>Jinsart, Wanida</b> <i>Chulaongkorn University</i>	<b>■ Particulate Matter and Associated Polycyclic Aromatic Hydrocarbons in Bangkok</b>	45411
<b>John, Kuruvilla</b> <i>Texas A&amp;M University</i>	<b>■ Characterization of Fine Particulate Matter at Schools in Ohio</b>	42992
	<b>■ Evaluation of the Long-Term Air Quality Trends in Ohio</b>	45499
	<b>■ Meteorological Influences on the Fine Particulate Matter Distribution in Central Ohio</b>	45498
<b>John, Kuruvilla</b> <i>Texas A&amp;M Kingsville</i>	<b>■ Overview Of Corpus Christi Emission Inventory for 1999</b>	41815



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>John, Paul</b> <i>Bioreaction Ind., LLC.</i>	■ <b>Biofiltration of Particleboard Press Vent Emissions</b>	<b>42908</b>
<b>John, Paul C.</b> <i>Bio Reaction Industries, LLC,</i>	■ <b>Performance of a Compost-Based Hybrid Bioreactor for the Treatment of Paint Spray Booth Emissions</b>	<b>43055</b>
<b>Johnson, Patricia A.</b> <i>National Institute of Standards and Technology</i>	■ <b>Quality Assurance of Gas-Phase Infrared Reference Spectral Data</b>	<b>45370</b>
<b>Johnson, Richard</b> <i>Wisconsin Electric-Wisconsin Gas</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Johnson, Stephen</b> <i>Quinapoxet Solutions</i>	■ <b>Impact of Carbon-in-Ash on Mercury Removal Across Particulate Control Devices in Coal-Fired Power Plants</b>	<b>42730</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Johnson, Timothy J.</b> <i>Battelle, Pacific Northwest National Laboratory</i>	■ <b>Quality Assurance of Gas-Phase Infrared Reference Spectral Data</b>	<b>45370</b>
<b>Jones, Baxter</b> <i>ICF Consulting</i>	■ <b>A Cohort Based Approach for Characterizing Lifetime Inhalation Cancer Risk from Time-Varying Exposure to Air Toxics</b>	<b>42725</b>
<b>Jones, Kim</b> <i>Texas A&amp;M University - Kingsville</i>	■ <b>Kinetic Evaluation Of H2s And Ammonia Biofiltration For Air Emissions Control</b>	<b>43167</b>
<b>Jordan, Patrick</b> <i>University of Canterbury</i>	■ <b>Modelling the Mass &amp; Energy Balance in a Compost Biofilter</b>	<b>42108</b>
<b>Joshi, Amit</b> <i>University of Toledo</i>	■ <b>Sensitivity Analysis of an Instantaneous Box Release Model with Surface Heat Transfer</b>	<b>42755</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Jozewicz, Wojciech</b> <i>ARCADIS Geraghty &amp; Miller</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Jung, Ieasuck</b> <i>Texas A&amp;M University - Kingsville</i>	■ <b>Meteorological Influences on the Fine Particulate Matter Distribution in Central Ohio</b>	<b>45498</b>
<b>Jung, Kyung</b> <i>University of Cincinnati</i>	■ <b>Feasibility of CO2 Separation from Power Plant Flu Gases with Reclaimed Mg(OH)2</b>	<b>43122</b>

**K**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kagann, Robert</b> <i>Spectral Solutions</i>	■ <b>Ambient Air Measurements with an Open-Path FTIR Analyzer</b>	<b>42949</b>
	■ <b>Open-Path FTIR Measurement of NOx and other Diesel Emissions</b>	<b>43388</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Karecki, David <i>Unisearch Associates</i>	■ The Application Of Tunable Diode Laser System For Monitoring H <sub>2</sub> S In A Co-Generation Facility	43530
Kasprak, Alex <i>MTA</i>	■ Implementation Of Retrofit/Clean Fuel Program For Diesel Equipment During The Construction Phase Of Two Large Transportation Projects	42536
Keely, Debra K. <i>University of Central Florida</i>	■ Using Mobile 6 to get Emission Factors for a Microscale CO Analysis	41812
Keener, Timothy C. <i>University of Cincinnati</i>	■ Circulating Aeration System For Controlling Voc Emissions From Aeration Basins In Potws	42529
	■ Feasibility of CO <sub>2</sub> Separation from Power Plant Flu Gases with Reclaimed Mg(OH) <sub>2</sub>	43122
Keller, Melissa <i>Idaho Dept. Env. Quality</i>	■ PM <sub>10</sub> and Precursor Emission Inventory for Modeling the Portneuf Valley, Idaho Non-attainment Area	43531
Kelly, Sarah <i>Institute for Tribal Environmental Professionals</i>	■ Assisting Tribes in Submitting Data to the National Emissions Inventory, Challenges and Successes	42791



AUTHOR	PAPER TITLE	PAPER NUMBER
Kelly, Thomas J <i>Battelle</i>	■ ETV Verification Testing of Continuous Ambient Fine Particle Monitors	43497
Kenney, Michael A. <i>URS Corporation</i>	■ Air Quality Around Our Nation's Airports During the Aftermath of the September 11, 2001 Attack on America	42735
Kerdsuwan, Somrat <i>King Mongkuts' Institute of Technology</i>	■ Utilization of Fuel Briquette Derived from Mixing Fat Oil and Greased with Sawdust	43020
Khalil, Mohammed H. <i>Cairo Air Improvement Program</i>	■ Comparison Between the Cairo Lead Inventory and Source Attribution Results	42962
Khang, Soon J. <i>University of Cincinnati</i>	■ Feasibility of CO <sub>2</sub> Separation from Power Plant Flu Gases with Reclaimed Mg(OH) <sub>2</sub>	43122
Kiely, Phil <i>Ontario Ministry of the Environment</i>	■ A Comparative Study of Toronto's Air Quality from an International, National and Regional Perspective	42928



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kies, Courtney</b> <i>Midwest Research Institute</i>	■ <b>Airborne Dust Removal by Vegetative Groundcover</b>	<b>55552</b>
<b>Kim, Bong M.</b> <i>South Coast Air Quality Management District</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>KIM, Byung</b> <i>U.S. Army Engineer Research and Development Center</i>	■ <b>An Innovative Biofilter For Treating Vocs In Air Emissions</b>	<b>43187</b>
<b>Kim, Byung J.</b> <i>U. S. Army Construction Engineering Research Laboratory</i>	■ <b>Removal Of Diethyl Ether In A Rotating Drum Biofilter At High Organic Loading Rates</b>	<b>42988</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kim, Dong Sool</b> <i>KyungHee University</i>	■ <b>Source Identification and Quantification of Coarse and Fine particles by TTFA and PMF</b>	<b>43292</b>
<b>Kim, Dongchul</b> <i>Desert Research Institute</i>	■ <b>The Central California Ozone Study: Analysis of Actinic Flux Measurements</b>	<b>41757</b>
<b>Kim, Hong-Jin</b> <i>U.S. EPA</i>	■ <b>The Effectiveness of Current Air Quality Standards for Ozone in Protecting Human Health and Welfare</b>	<b>42872</b>
<b>Kim, J. Y.</b> <i>Korea Institute of Science and Technology</i>	■ <b>Visibility Trends in Korea During the Past Two Decades</b>	<b>43010</b>
<b>Kim, Jong Ho</b> <i>Hanseo University</i>	■ <b>Transport Of Pm And Fungal Aerosols In The Asian Dust Events</b>	<b>42074</b>
<b>Kim, Kong Tae</b> <i>RIST</i>	■ <b>Pulsed Corona Discharge Process for Simultaneous Removal of SO<sub>2</sub>/NO<sub>x</sub> from a Sintering Plant of Steel Works</b>	<b>42070</b>
<b>Kim, Mi-Sug</b> <i>Drexel University</i>	■ <b>Computational Modeling for Multicomponent Separation of Volatile Organic Compounds by Sorption</b>	<b>43579</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kim, Myoungwoo</b> <i>Texas A&amp;M University - Kingsville</i>	■ Evaluation of the Long-Term Air Quality Trends in Ohio	45499
<b>Kim, Sung-Tae</b>	■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System	42548
<b>Kim, Y. P.</b> <i>Ewha Womans University</i>	■ Visibility Trends in Korea During the Past Two Decades	43010
<b>Kim, Yong Pyo</b> <i>Ewha Womans University</i>	■ Ambient concentration of particulate Polycyclic Aromatic Hydrocarbons(PAHs) and their dry deposition in Korea	42849
<b>Kinney, Kerry</b> <i>University Of Texas At Austin</i>	■ Investigation Of A Polyurethane Foam Biofilter:Effect Of Operating Mode And Nutrient Supply	43170
<b>KINNEY, Kerry A.</b> <i>University of Texas at Austin</i>	■ Performance of a Compost-Based Hybrid Bioreactor for the Treatment of Paint Spray Booth Emissions	43055



AUTHOR	PAPER TITLE	PAPER NUMBER
Klafka, Steven <i>Wingra Engineering</i>	■ Evaluating Local Impacts of a Utility Retrofit Project	42938
Klafka, Steven <i>Wingra Engineering</i>	■ Influence of Emission Estimates on a BACT Determination for Iron Foundry Core Making Operations	42946
	■ Using a Flexible Compliance Strategy to Issue a Title V Operation Permit	42941
Klafka., Steven J. <i>Wingra Engineering</i>	■ Challenging a Title V Operation Permit with the Part 70(8) Petition Process: An Aluminum Foundry Case Study	42940
Klapkova, Eva <i>Institute of Cemical Technology</i>	■ Removal of Aliphatic Gasoline Compounds in Perlite Biofilter	43012
Klapwijk, Bram <i>Wageningen University, NL</i>	■ BioDeNOx: Fe-EDTA as electron mediator between denitrification and iron reduction	55555
Klishis, Michael <i>West Virginia University</i>	■ Recycling Retired Ships, Website and Decision Logic Flow Charts as Tools to Aid U.S. Domestic Recycling Industry	42512



AUTHOR	PAPER TITLE	PAPER NUMBER
Koehler, John <i>URS Corporation</i>	■ California Experience with Air Toxics Health Risk Assessments for Proposed New Power Plants	43094
Koo, Youn-Seo <i>Anyang University</i>	■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System	42548
	■ The Pollutant Transport by Fumigations in the Coastal Region	42776
Kosson, David S <i>Vanderbilt University</i>	■ Application of Geostatistical Analysis and GIS Tools for Characterizing Contamination at the USDOE Savannah River Site	43542
Kosusko, Mike <i>U.S. EPA</i>	■ The ETV P2 Innovative Coatings and Coating Equipment Program - An Update	42261
Kourosh, Sohrab <i>Technico Environmental, Inc.</i>	■ Landfills Are Forever: Landfill Gas Remediation at a Commercially Developed Former Waste Disposal Site	41938
Kouvo, Petri <i>Fortum</i>	■ The Fate of Mercury during Co-Combustion of Biomass and Wastes in Fluidized Bed Combustors	45777
Kringel, Danny L. <i>URS Corporation</i>	■ Characterizing Open Burn Emissions During Actual Field Burns of Propellants and Laboratory Waste	43527



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Krogmann, Uta</b> <i>Rutgers</i>	■ <b>Basics of Solid Waste Composting</b>	<b>45473</b>
<b>Kulkarni, Amol R.</b> <i>Texas A&amp;M University</i>	■ <b>Characterization of Fine Particulate Matter at Schools in Ohio</b>	<b>42992</b>
<b>Kumar, Ashok</b> <i>University of Toledo</i>	■ <b>Pollution Prevention Tools for Small and Medium Sized Industries</b>	<b>42838</b>
	■ <b>Sensitivity Analysis of an Instantaneous Box Release Model with Surface Heat Transfer</b>	<b>42755</b>
<b>Kumar, Sunil</b> <i>Texas A&amp;M University</i>	■ <b>Characterization of Fine Particulate Matter at Schools in Ohio</b>	<b>42992</b>
	■ <b>Evaluation of the Long-Term Air Quality Trends in Ohio</b>	<b>45499</b>
	■ <b>Meteorological Influences on the Fine Particulate Matter Distribution in Central Ohio</b>	<b>45498</b>
	■ <b>Spatial Allocation of Non-road and Area Source Emissions for the Corpus Christi Urban Airshed using Geographical Information Systems</b>	<b>45495</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kumm, John</b> <i>EA Engineering, Science and Technology</i>	■ <b>Trend in Ozone Levels and Characteristics of High Ozone Days in a Semi-arid Coastal Urban Airshed</b>	<b>43586</b>
	■ <b>Comparison of High Injection Acid Gas Control Technologies</b>	<b>43151</b>
<b>Kung, Jerry K</b> <i>Zephyr Environmental Corp.</i>	■ <b>Evaluating Community Impacts Posed by Vehicle Emissions from an Automobile Auction Processing Facility</b>	<b>43443</b>
<b>Kuruville, John</b> <i>Texas A&amp;M University- Kingsville</i>	■ <b>Spatial Allocation of Non-road and Area Source Emissions for the Corpus Christi Urban Airshed using Geographical Information Systems</b>	<b>45495</b>
	■ <b>Trend in Ozone Levels and Characteristics of High Ozone Days in a Semi-arid Coastal Urban Airshed</b>	<b>43586</b>
<b>Kus, Pinar</b> <i>University of Illinois</i>	■ <b>Ambient Aerosol Characteristics at a Midwestern USA Site from 1995 to 2000</b>	<b>43084</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Kusterer, Thomas</b> <i>Montgomery County (MD) Government</i>	■ <b>Landfills Are Forever: Landfill Gas Remediation at a Commercially Developed Former Waste Disposal Site</b>	<b>41938</b>

**L**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Labib, Mounir</b> <i>Chemonics</i>	■ <b>Comparison Between the Cairo Lead Inventory and Source Attribution Results</b>	<b>42962</b>
	■ <b>Sources of PM10, PM2.5, and VOCs in the Greater Cairo Area</b>	<b>42840</b>
<b>Lacey, Jeffrey A.</b> <i>Idaho National Engineering and Environmental Laboratory</i>	■ <b>PCR-DGGE as a method to monitor microbial populations in nitric oxide biofilters</b>	<b>43271</b>
<b>Lai, Ching-Chih</b> <i>Industrial Technology Research Institute</i>	■ <b>A New Approach of Odour Control by Using NaOCl and Electrolysis: The Practical Case of Wastewater Treatment Plant of Tannery Industry</b>	<b>45394</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
LAI, Churng-Kwang <i>ITRI</i>	■ The Application of Dehumidification Process in Sludge Drying	42706
Laing, Arlene <i>University of South Florida</i>	■ The Influence of Air Mass Origin on Wet Deposition of Nitrogen to Tampa Bay, FL	43024
Laitner, John A. <i>USEPA</i>	■ Electric Generator Technology and Economics under a Carbon Restriction	43116
Land, Vicki <i>Conectiv</i>	■ The Maintenance of EHS Management Systems	43204
Lange, Bryan D. <i>NC DAQ, Toxics Protection Branch</i>	■ Hydrogen Sulfide Study near Petroleum Asphalt Plants	45487
LANGER, Kenneth <i>Environmental Market Solutions, Inc.</i>	■ Exporting Green Development Technologies to China	42232



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>LaPuma, Peter T.</b> <i>Air Force Institute of Technology</i>	■ <b>Chromate Concentration Bias In Epoxy Primer Paint by Particle Size</b>	<b>43340</b>
<b>Larkin, Janice</b> <i>Department of Defense</i>	■ <b>Lessons Learned at the Massachusetts Military Reservation</b>	<b>43194</b>
	■ <b>Successful Federal Facility and Community Partnering: Household Hazardous Products Collection</b>	<b>43090</b>
	■ <b>What's the Public Got to Do With It?</b>	<b>43335</b>
<b>Laroche, David</b> <i>Northern Arizona University</i>	■ <b>Great News for Indian Country: Recent Decisions by the U.S. Circuit Court of Appeals and the U.S. Supreme Court on Tribal Authority to Regulate the Environment</b>	<b>42165</b>
<b>Lavery, Thomas</b> <i>Harding ESE</i>	■ <b>Ozone concentrations measured by the Clean Air Status and Trends Network (CASTNet)</b>	<b>42763</b>
<b>Lavery, Thomas F.</b> <i>Harding ESE</i>	■ <b>CASTNet Sulfur Dioxide and Nitrogen Oxide Ambient Concentration Trends and the Title IV Acid Rain Provisions</b>	<b>42717</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lee, Brady D.</b> <i>Idaho National Engineering and Environmental Laboratory</i>	■ <b>PCR-DGGE as a method to monitor microbial populations in nitric oxide biofilters</b>	<b>43271</b>
<b>Lee, Byeong-Kyu K</b> <i>University of Ulsan</i>	■ <b>Reduction of the Plume Opacity at Electric Power Plants</b>	<b>42861</b>
<b>Lee, Charles C.</b> <i>URS Corporation</i>	■ <b>Characterizing Open Burn Emissions During Actual Field Burns of Propellants and Laboratory Waste</b>	<b>43527</b>
<b>Lee, Ching-Hwa</b> <i>Da-Yeh University</i>	■ <b>Recycling Of Scrap Integrated Circuits</b>	<b>42406</b>
<b>Lee, Im-Hack</b>	■ <b>A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System</b>	<b>42548</b>
<b>Lee, Ji Yi</b> <i>Ewha Womans University</i>	■ <b>Ambient concentration of particulate Polycyclic Aromatic Hydrocarbons(PAHs) and their dry deposition in Korea</b>	<b>42849</b>
<b>Lee, Kevin</b> <i>Jones &amp; Stokes</i>	■ <b>Road Construction Emissions Model</b>	<b>42299</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lee, S. H.</b> <i>Ewha Womans University</i>	■ <b>Visibility Trends in Korea During the Past Two Decades</b>	<b>43010</b>
<b>Lee, Shun-cheng</b> <i>Hong Kong Polytechnic University</i>	■ <b>Charaterization of PM10 and PM2.5 Source Profiles for Soil and Paved Road Dust in Hong Kong</b>	<b>42858</b>
<b>Lee, Tae Jung</b> <i>LIDAR Tech</i>	■ <b>Source Identification and Quantification of Coarse and Fine particles by TTFA and PMF</b>	<b>43292</b>
<b>Lee, Whei-May Grace</b> <i>National Taiwan University</i>	■ <b>Carbon Distribution of Waste Incinerated in Municipal Solid Waste Incinerator</b>	<b>42866</b>
	■ <b>Control of Vaporous Naphthalene by Absorption with Non-ionic and Anionic Surfactants</b>	<b>43004</b>
	■ <b>Removal of CO2 form flue gas of municipal solid waste incinerators</b>	<b>42863</b>
<b>Lee, Yong Kian</b> <i>Environmental Technology Institute</i>	■ <b>Adsorption of Mercury in Combustion Flue Gas by Activated Carbon</b>	<b>42404</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lehmann, Christopher</b> <i>University of Illinois at Urbana-Champaign</i>	■ <b>Characterization Of Physical, Thermal And Adsorption Properties Of A Series Of Activated Carbon Fiber Cloths</b>	<b>43166</b>
<b>Lehmann, Christopher M.B.</b> <i>University of Illinois at Urbana-Champaign</i>	■ <b>Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Leisen, Toni</b> <i>Catalytica Energy Systems, Inc.</i>	■ <b>Determining VOC Emissions for Gas Turbines which Use the Latest Emission Control Technologies</b>	<b>43191</b>
<b>Lenox, Katey</b> <i>Oak Ridge National Laboratory</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>
<b>Lens, Piet</b> <i>Wageningen University, NL</i>	■ <b>BioDeNOx: Fe-EDTA as electron mediator between denitrification and iron reduction</b>	<b>55555</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Leopold, Barry</b> <i>SAIC</i>	■ <b>Utilizing Materials Flow Analysis to Prioritize Pollution Prevention Resources</b>	<b>42934</b>
<b>Lepage, Mike</b> <i>Rowan Williams Davis &amp; Irwin Inc.</i>	■ <b>Regional Air Quality Model Sensitivity to Power Plant Emissions in Southern Ontario</b>	<b>42829</b>
<b>LeTavec, Chuck</b> <i>British Petroleum</i>	■ <b>Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters</b>	<b>42565</b>
<b>Lev-On, Miriam</b> <i>British Petroleum</i>	■ <b>Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters</b>	<b>42565</b>
<b>Levin, Leonard</b> <i>EPRI</i>	■ <b>Mercury Inventory and Source Characterization: Emerging Data</b>	<b>42771</b>
<b>LI, Congna</b> <i>Louisiana State University</i>	■ <b>Use Of Polyurethane Foam/Activated Carbon Media Combined With Sequencing Batch Operation For Biofiltration Of Methyl Ethyl Ketone (Mek) Contaminated Air</b>	<b>43140</b>
<b>Li, Ramon</b> <i>Malcolm Pirnie, Inc.</i>	■ <b>Title V Permitting Strategies for a Waste to Ethanol Production Facility</b>	<b>43132</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Li, Song</b> <i>North Carolina State University</i>	■ <b>Methods and Example for Development of a Probabilistic Per-Capita Emission Factor for VOC Emissions from Consumer/Commercial Product Use</b>	<b>42162</b>
<b>Liang, David Tee</b> <i>Environmental Technology Institute</i>	■ <b>Adsorption of Mercury in Combustion Flue Gas by Activated Carbon</b>	<b>42404</b>
<b>Liang, Kit</b> <i>Malcolm Pirnie, Inc.,</i>	■ <b>Title V Permitting Strategies for a Waste to Ethanol Production Facility</b>	<b>43132</b>
<b>Liang, Kit Y.</b> <i>Malcolm Pirnie</i>	■ <b>Case Study: Formaldehyde Emissions from IC Engines Combusting Digester Gas Using FTIR</b>	<b>43147</b>
<b>Liao, Kuo-Jen</b> <i>National Taiwan University</i>	■ <b>Carbon Distribution of Waste Incinerated in Municipal Solid Waste Incinerator</b>	<b>42866</b>
	■ <b>Removal of CO2 form flue gas of municipal solid waste incinerators</b>	<b>42863</b>
<b>Liberty, Ken</b> <i>DAQ at KY,</i>	■ <b>Modeling Ammonia Removal and Biotransformation Within Laboratory-Scale Yard-Waste Compost Biofilters</b>	<b>42915</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Licht, Charles A. <i>Charles Licht Engineering Associates</i>	■ Secondary Aluminum Operating Improvements	41775
Lieberman, Dan <i>ICF Consulting</i>	■ Internal Trading of Greenhouse Gas Emissions	43073
Limpaseni, Wongpun <i>Chulaongkorn University</i>	■ Particulate Matter and Associated Polycyclic Aromatic Hydrocarbons in Bangkok	45411
Lin, Chia Hsin <i>National Chiao- Tung University</i>	■ Using Acidic Soils as Selective Catalytic Reduction Catalysts for the Removal of Nitric Oxide	43045
Lin, Deng-Fong <i>I-Shou University</i>	■ The Evaluation of Color Changes in Sludge Brick By Using Image Analysis Method	42545
Lin, Haisong <i>University of California</i>	■ An Assessment of the Contribution of Mobile Sources on Visibility Degradation in the Los Angeles Basin: Past, Present, and Future	42311



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lin, Hsun-Yu</b> <i>National Sun Yat-Sen University</i>	■ <b>A Pilot Study on the Adsorption of Mercury Chloride by Waste-Tire Derived Powdered Activated Carbon</b>	<b>45358</b>
<b>Lin, Shu-Sung</b> <i>Industrial Technology Research Institute</i>	■ <b>A New Approach of Odour Control by Using NaOCl and Electrolysis: The Practical Case of Wastewater Treatment Plant of Tannery Industry</b>	<b>45394</b>
<b>Lin, Yuchih</b> <i>National Chiao-Tung University</i>	■ <b>Air Pollution Control In The Semiconductor And Photoelectric Industries In Taiwan</b>	<b>43049</b>
	■ <b>Effect of Operating Parameters on the Performance of ZSM-5 Zeolite Honeycomb Rotor for VOCS Treatment</b>	<b>43023</b>
<b>Lindsey, Charles</b> <i>ADA-ES, LLC</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Lippincott, Bruce</b> <i>Lawler, Matusky and Skelly Engineers, LLP</i>	■ <b>Survey of the Difficulty of Obtaining Environmental Permits for the Construction and Operation of New Power Generation Capacity in 28 States</b>	<b>42670</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lissianski, Vitali</b> <i>GE Energy &amp; Environmental Research Corp.</i>	■ <b>Control of NOx and Mercury Emissions Using Coal Reburning</b>	<b>42910</b>
<b>Little, James W.</b> <i>U.S. Environmental Protection Agency</i>	■ <b>Best Available Control Technology Assessments for Nitrogen Oxides Emissions from Combustion Turbine Power Generating Facilities</b>	<b>43036</b>
<b>Liu, Ming-Han</b> <i>National Sun Yat-Sen University</i>	■ <b>A Pilot Study on the Adsorption of Mercury Chloride by Waste-Tire Derived Powdered Activated Carbon</b>	<b>45358</b>
<b>Liu, Shaoling</b> <i>Hunan University</i>	■ <b>Full-Scale Investigation on Desulfurization During Combustion In Coal-Fired Boilers</b>	<b>43007</b>
<b>Lo, Cho-Ching</b> <i>National Sun Yat-Sen University</i>	■ <b>The Influence of Operation Condition and Meteorological Factors on the Characteristics of Volatile Organic Compounds in the Surrounding Area of an Oil Storage and Pumping Station</b>	<b>45359</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Lo, Suk-yi</b> <i>University of Illinois at Urbana-Champaign</i>	<b>■ Characterization Of Physical, Thermal And Adsorption Properties Of A Series Of Activated Carbon Fiber Cloths</b>	<b>43166</b>
	<b>■ Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Lobb, Frank</b> <i>Clean Air Engineering</i>	<b>■ EPA's Pursuit of New CEMS Ignores The Law &amp; The Facts</b>	<b>45817</b>
<b>Lomax, Steve</b> <i>Trigen Energy Corporation</i>	<b>■ Trigen's Web-Based Environmental and Safety Information: A Case Study</b>	<b>42659</b>
<b>Long, Russell</b> <i>Brigham Young University</i>	<b>■ Comparison Of Pm1.0 And Pm2.5 Particulate Matter Measured With Teom And Pc-Boss On The Wasatch Front (Utah) July To September 2001</b>	<b>42678</b>
<b>Long, Russell W.</b> <i>Brigham Young University</i>	<b>■ Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002</b>	<b>42675</b>
	<b>■ Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001</b>	<b>42657</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lopez, Tania</b> <i>Instituto Mexicano del Petroleo</i>	■ <b>Modeling of Regional Transport and Dispersion of PM10 in Central Mexico</b>	<b>43344</b>
<b>Lordgooei, Mehrdad</b> <i>Drexel University</i>	■ <b>Computational Modeling for Multicomponent Separation of Volatile Organic Compounds by Sorption</b>	<b>43579</b>
<b>Lou, Jie-Chung</b> <i>National Sun Yat-Sen University</i>	■ <b>The Influence on De-NO over Copper Catalyst Modified with Acids</b>	<b>45375</b>
<b>Lovas, Larry</b> <i>Registry Consultants</i>	■ <b>Application of the Open Burn Open Detonation Model to Describe Multi-Chemical Releases After a Train Derailment and Fire</b>	<b>45774</b>
<b>Lovell, Sabrina J.</b> <i>U.S. EPA</i>	■ <b>The Effectiveness of Current Air Quality Standards for Ozone in Protecting Human Health and Welfare</b>	<b>42872</b>
<b>Lowenthal, Douglas</b> <i>Desert Research Institute</i>	■ <b>Sources of PM10, PM2.5, and VOCs in the Greater Cairo Area</b>	<b>42840</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Lowenthal, Douglas H.</b> <i>Desert Research Institute</i>	■ <b>Comparison Between the Cairo Lead Inventory and Source Attribution Results</b>	<b>42962</b>
<b>Lucas, Leonard J</b> <i>Carnegie Mellon University</i>	■ <b>Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	<b>42646</b>
<b>Luo, Huan-Lin</b> <i>I-Shou University</i>	■ <b>The Evaluation of Color Changes in Sludge Brick By Using Image Analysis Method</b>	<b>42545</b>
<b>Luo, Lingai</b> <i>LSGC-CNRSSENSIC</i>	■ <b>Adsorption Process With Regeneration By Joule Effect On A Activated Carbon Monolith For VOCs Abatement</b>	<b>45484</b>
<b>Lyra, Diogenes</b> <i>Cetrel</i>	■ <b>Re-evaluation of the Air Monitoring Network of an Petrochemical Complex</b>	<b>42455</b>
<b>Lyra, Diogenes Ganghis</b> <i>Cetrel</i>	■ <b>Use Of Mathematical Models To Estimate The Emissions Inventory And To Simulate The Atmospheric Dispersion Of A Wastewater Plant Of A Large Petrochemical Complex</b>	<b>43043</b>



AUTHOR	PAPER TITLE	M	PAPER NUMBER
<b>Mackay, Gervase I</b> <i>Unisearch Associate</i>	■ <b>Development of a Compact Raman Spectrometer for Detecting Product Interfaces in a Gasoline Pipeline</b>		43431
<b>Mackay, Gervase I.</b> <i>Unisearch Associates</i>	■ <b>The Application Of Tunable Diode Laser System For Monitoring H2S In A Co-Generation Facility</b>		43530
<b>Magee, Glenn Abbott</b> <i>Laboratories</i>	■ <b>EHS Business Risk Management; A Technology Perspective</b>		43178
<b>Mahurkar, Abhijeet</b> <i>University of Toledo</i>	■ <b>Sensitivity Analysis of an Instantaneous Box Release Model with Surface Heat Transfer</b>		42755
<b>Mair, Alan</b> <i>Consulting Engineer</i>	■ <b>Solid Waste Management in the Philippines: A Peace Corps Experience</b>		43473



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Malm, William C.</b> <i>National Park Service--Air Resources Division, Cooperative Institute for Research in the Atmosphere, Colorado State University</i>	■ <b>Estimating Long Term Visibility Trends: A Comparison Between EPA Proposed Guidance and Historic IMPROVE Methods</b>	<b>88888</b>
	■ <b>Initial REMSAD Simulation of Sulfate Aerosol for the BRAVO Study</b>	<b>99999</b>
	■ <b>The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze</b>	<b>88881</b>
<b>Maly, Peter</b> <i>GE Energy &amp; Environmental Research Corp.</i>	■ <b>Control of NOx and Mercury Emissions Using Coal Reburning</b>	<b>42910</b>
<b>Manandhar, Dinesh Raj</b> <i>Dept. of Water Supply and Sewerage</i>	■ <b>Solid Waste Management Practices in Under-developed Countries: A Case of Nepal</b>	<b>42555</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Mandya, Rajesh</b> <i>Texas A&amp;M University-Kingsville</i>	<b>■ Spatial Allocation of Non-road and Area Source Emissions for the Corpus Christi Urban Airshed using Geographical Information Systems</b>	45495
<b>Mangelson, Nolan F.</b> <i>Brigham Young University</i>	<b>■ Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001</b>	42657
<b>Manker, William J.</b> <i>URS Corporation</i>	<b>■ Characterizing Open Burn Emissions During Actual Field Burns of Propellants and Laboratory Waste</b>	43527
	<b>■ Pollution Prevention in Weapon System Test and Evaluation</b>	43433
<b>Manning, Michael J.</b> <i>HSWMMR</i>	<b>■ Predicting Potential Exposure for the Occupants in Future Buildings Using Direct Measurement and Predictive Modeling Techniques</b>	43141
<b>Manuel, Juan</b> <i>National University of Mexico</i>	<b>■ H2S Removal By Compost Biofiltration: Media Mixing Effects On Operational Factors</b>	42688



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Marek, Norman J.</b> <i>Illinois Department of Commerce and Community Affairs</i>	■ <b>Pre-Commercialization of 'E diesel' Fuels In Off-Road Applications</b>	<b>42740</b>
<b>Marfori, Anna Liza</b> <i>Parsons</i>	■ <b>Authoring Your Own Draft Title V Permit</b>	<b>45488</b>
<b>Marks, Melinda M.</b> <i>RTP Environmental Associates, Inc.</i>	■ <b>What is BACT for Nitrogen Oxides on Municipal Waste Combustors?</b>	<b>43563</b>
<b>Maroo, Ketankumar</b> <i>Texas A&amp;M University - Kingsville</i>	■ <b>Kinetic Evaluation Of H2s And Ammonia Biofiltration For Air Emissions Control</b>	<b>43167</b>
<b>Marrack, David</b> <i>Fort Bend Medical Clinic</i>	■ <b>PM-2.5 are Not All? Biologically Equal . Which Should be</b>	<b>45816</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Martello, Donald V</b> <i>NETL, US Dept of Energy</i>	<b>■ Diurnal Trends in PM<sub>2.5</sub> Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	42646
<b>Martin, Michelle</b> <i>West Virginia University</i>	<b>■ Recycling Retired Ships, Website and Decision Logic Flow Charts as Tools to Aid U.S. Domestic Recycling Industry</b>	42512
<b>Martin,, Cameron</b> <i>ADA-ES, LLC</i>	<b>■ Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	43249
<b>Martinez, Alvaro</b> <i>Texas A&amp;M University-Kingsville, Environmental Engineering</i>	<b>■ High Concentration Btex Removal In Compost Biofilters</b> <b>■ Kinetic Evaluation Of H<sub>2</sub>s And Ammonia Biofiltration For Air Emissions Control</b>	42950
<b>Martinez-Martinez, Jeronimo</b> <i>Tecnologico de Monterrey</i>	<b>■ Comparing Day-of-the-Week Patterns of Ozone Precursors in Monterrey, México</b> <b>■ Comparison and Characterization of the Atmospheric Emissions Produced by Combustion of Petrodiesel, Methyl Ester of Soybean Oil and Methyl Ester of Used Oil</b>	43208
		43278



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Martini, Joseph M.</b> <i>Delaware Dept of Natural Resources</i>	■ <b>Innovative PM10/TSP Monitoring Strategy In Development of Petroleum Coke Handling Permit</b>	<b>45407</b>
<b>Maryska, Martin</b> <i>Institute of Cemical Technology</i>	■ <b>Removal of Aliphatic Gasoline Compounds in Perlite Biofilter</b>	<b>43012</b>
<b>Masayesva, Virgil</b> <i>Institute for Tribal Environmental Professionals</i>	■ <b>Assisting Tribes in Submitting Data to the National Emissions Inventory, Challenges and Successes</b>	<b>42791</b>
<b>Mathur, Rohit</b> <i>MCNC Environmental Programs</i>	■ <b>Estimating Future-Year Ozone Design Values with Two Regional-Scale Modeling Systems in North Carolina</b>	<b>43083</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Mayes, Peter</b> <i>New Jersey Department of Environmental Protection</i>	■ <b>An Assessment of Air Toxic Concentrations and Associated Health Risks across New Jersey using NATA</b>	<b>41909</b>
<b>Maziuk, John</b> <i>Solvay Minerals</i>	■ <b>Comparison of High Injection Acid Gas Control Technologies</b>	<b>43151</b>
<b>McCoy, Becky</b> <i>Department of Defense</i>	■ <b>Integrating Safety and Health in Pollution Prevention</b>	<b>43144</b>
<b>McCready, David</b> <i>Dow Chemical Company</i>	■ <b>A Screening Evaluation of Glutaraldehyde Deposition from Cooling Tower Drift</b>	<b>41844</b>
<b>McGill, Ralph</b> <i>Oak Ridge National Laboratory</i>	■ <b>Development of Remote Sensing Instrumentation for NO<sub>x</sub> and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>
<b>McGowan, Thomas F.</b> <i>TMTS Associates, Inc.</i>	■ <b>Stabilization And Thermal Treatment For Remediation Of Mgp (Manufactured Gas Plant) Sites</b>	<b>59999</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>McGregor, Alastair J.H.</b> <i>CRA, Inc.</i>	■ <b>Common Audit Findings during Multimedia Compliance Audits</b>	<b>45822</b>
<b>McGregor, Keith</b> <i>CH2M HILL Inc.</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>McGriff, Shamekia</b> <i>Mercer University</i>	■ <b>Statistical Modeling of PM2.5 Mass in Atlanta: Results From the First Two Years of the ASACA Study</b>	<b>41706</b>
<b>McKelvey, Ted R.</b> <i>Petris Technology</i>	■ <b>The Long-term Development, Maintenance and Operation of a Fenceline Monitoring System Using Multiple Optical Sensing Technologies</b>	<b>43117</b>
<b>McTernan, William</b> <i>Oklahoma State Univ., Civil and Environmental Engineering</i>	■ <b>Groundwater Modeling Results - A Case Study</b>	<b>41853</b>
<b>Meischen, Sandra J.</b> <i>Tennessee Valley Authority</i>	■ <b>Real-Time Mercury Analyzer Utilizing Gas-Phase mercury Reduction to Measure Total Mercury in the Flue Gas of a Coal-Fired Boiler</b>	<b>42672</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Menatti, John</b> <i>Utah Division of Environmental Response and Remediation</i>	■ <b>Comparison of Surface Flux Chamber Emission Measurements to Modeled Vapor Emissions from Subsurface Contamination</b>	<b>42734</b>
<b>Menden, Steven T.</b> <i>Sebesta Blomberg &amp; Associates</i>	■ <b>Phytoremediation - A Cost Effective Green Technology</b>	<b>41176</b>
<b>Mertz, Kimberly</b> <i>ENVIRON</i>	■ <b>Case Study of a Potency-Weighted Emission Screen: Initial Evaluation</b>	<b>42728</b>
<b>Metcalf, Cam</b> <i>University of Louisville</i>	■ <b>An EMS Framework for Implementing Sustainability Tools</b>	<b>42714</b>
<b>Micalizio, Gregg</b> <i>ENSR International</i>	■ <b>Integrating Global Positioning Systems, Geographic Information Systems, and Data Management into Environmental Site Investigation Strategies</b>	<b>42574</b>
<b>Milazzo, Michael C.</b> <i>Eltron Research Inc.</i>	■ <b>Low-Temperature Catalytic Oxidation of Airborne Organic Materials</b>	<b>42727</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Miller, Martha Jane</b> <i>University of Toronto</i>	■ <b>Transport of Hydrophobic Pollutants Through Biofilms in Biofilters</b>	<b>42472</b>
<b>Miller, Stanley</b> <i>Energy &amp; Environmental Research Center</i>	■ <b>Sorbent Development for Control of Mercury Emissions from Utility Power Plants</b>	<b>42889</b>
<b>Miller, Terry</b> <i>University of Tennessee</i>	■ <b>Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6</b>	<b>42613</b>
	■ <b>The Effect of Personal Income on Vehicle Age and Vehicle Emissions</b>	<b>42612</b>
<b>Mills, Michael</b> <i>ENSR International</i>	■ <b>Modeling Accidental Releases of Toxic Reactive Gases</b>	<b>43053</b>
<b>MIN, Kyung-Nan</b> <i>University of Massachusetts Amherst</i>	■ <b>Hollow Fiber Membrane Bioreactor (HFMB) for the Nitric Oxide Removal</b>	<b>42715</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Minnich, Timothy R.</b> <i>Minnich and Scotto, Inc.</i>	■ <b>Use Of Open-Path FTIR Spectroscopy to Support Development of Refined Estimates of H2S Emissions from a New York City Municipal Wastewater Treatment Plant</b>	<b>42805</b>
<b>Mizak, Connie</b> <i>University of South Florida</i>	■ <b>Ammonia Flux at the Air/Water Interface of Tampa Bay</b>	<b>42197</b>
<b>Modey, William K</b> <i>Brigham Young University</i>	■ <b>Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh</b>	<b>42646</b>
<b>Moe, William</b> <i>Louisiana State University</i>	■ <b>Investigation Of A Polyurethane Foam Biofilter:Effect Of Operating Mode And Nutrient Supply</b>	<b>43170</b>
<b>Moe, William M.</b> <i>Louisiana State University</i>	■ <b>Use Of Polyurethane Foam/Activated Carbon Media Combined With Sequencing Batch Operation For Biofiltration Of Methyl Ethyl Ketone (Mek) Contaminated Air</b>	<b>43140</b>
<b>Mohseni, Madjid</b> <i>University of British Columbia</i>	■ <b>Photocatalytic Oxidation of Vinyl Chloride (VC) in Contaminated Air Streams</b>	<b>42911</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Molina, Francisco</b> <i>Universidad de Antioquia</i>	■ <b>Urban Air Pollution and Monitoring Networks in Colombia</b>	<b>42370</b>
<b>Mongia, Rajiv</b> <i>Exponent</i>	■ <b>Effect of Exhaust Stack Geometry on the Amount of Liquid Condensate during plant start-up</b>	<b>45300</b>
<b>Monson, Bruce</b> <i>Barr Engineering</i>	■ <b>Modeling the Fate of Mercury in Products</b>	<b>43209</b>
<b>Monzyk, Bruce</b> <i>Battelle</i>	■ <b>Hexavalent Chrome Extraction from Wastewater</b>	<b>42966</b>
<b>Moon, K. C.</b> <i>Korea Institute of Science and Technology</i>	■ <b>Visibility Trends in Korea During the Past Two Decades</b>	<b>43010</b>
<b>Mora, Virginia</b> <i>Instituto Mexicano del Petroleo</i>	■ <b>Modeling of Regional Transport and Dispersion of PM10 in Central Mexico</b>	<b>43344</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Morahan, Thomas J</b> <i>InteGreyted Consultants LLC, R &amp; D</i>	<b>■ Making the cut: When to keep your EHS Systems and When to Implement New Ones</b> <b>■ Successful Design and Deployment of a Comprehensive Web-enabled Audit and Assessment System</b>	43198 43205
<b>Morahan, Thomas J.</b> <i>InteGreyted Consultants, LLC</i>	<b>■ Using Technology to Deliver Corporate Audits</b>	43201
<b>Moreira, Andrea</b> <i>CENPES - Petrobras Research Center</i>	<b>■ Vehicular Impact Assessment in Rio de Janeiro, Brazil, Urban Air Quality</b>	42623
<b>Moreira, Lino Francisco Rodrigues</b> <i>CENPES - Petrobras Research Center</i>	<b>■ Vehicular Impact Assessment in Rio de Janeiro, Brazil, Urban Air Quality</b>	42623



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Morris, Ed</b> <i>Wisconsin Electric-Wisconsin Gas</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Morris, Michael W.</b> <i>Jacobs Engineering Group Inc.</i>	■ <b>Groundwater Treatment System Impacts on Freshwater Ecosystems: A Massachusetts Military Reservation Case Study</b>	<b>43097</b>
	■ <b>Optimization of Monitoring Well Networks Using Spatial Winnowing and Temporal Thinning Applied to a Contaminant Plume at the Massachusetts Military Reservation</b>	<b>43119</b>
<b>Morris, Ralph</b> <i>ENVIRON International Corporation</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
	■ <b>Recent Advances in Photochemical Air Quality Modeling Using the CAMx Model: Current Update and Ozone Modeling of Point Source Impacts</b>	<b>43180</b>
<b>Morse, Roger G.</b> <i>Morse Associates</i>	■ <b>Mold Growth Inside Air Conditioning Equipment</b>	<b>42436</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Mugica, Violeta</b> <i>Universidad Autonoma Metropolitana, Chemistry</i>	■ <b>Modeling of Regional Transport and Dispersion of PM10 in Central Mexico</b>	<b>43344</b>
<b>Mukhopadhyay, Nik</b> <i>CRA, Inc.</i>	■ <b>Common Audit Findings during Multimedia Compliance Audits</b>	<b>45822</b>
	■ <b>Compliance with Halogenated Solvent Cleaning NESHAP Standards</b>	<b>45820</b>
<b>Muleski, Gregory E.</b> <i>Midwest Research Institute</i>	■ <b>Dust Emission Measurements of Barge/Vessel Grain Handling Operations (An EPA/Industry Cooperative Effort)</b>	<b>55553</b>
	■ <b>Relative Measures of Unpaved Road Dust Suppressants</b>	<b>55551</b>
<b>Mulholland, Kenneth</b> <i>Kenneth Mulholland &amp; Associates</i>	■ <b>Integrating Pollution Prevention, Inherent Process Safety and Green Chemistry Concepts in Process Design</b>	<b>42454</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Murosko, Jack</b> <i>ENSR International</i>	■ <b>Integrating Global Positioning Systems, Geographic Information Systems, and Data Management into Environmental Site Investigation Strategies</b>	<b>42574</b>
<b>Myer, William</b> <i>Department of Defense, Massachusetts Military Reservation</i>	■ <b>Field Assessment of Safe to Move Suspect RCRA Unexploded Ordnance to Assess Whether High Explosives Are Present in the Filler</b>	<b>42653</b>

**N**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Nadel, Charles</b>	■ <b>Highway Tunnel Ventilation System Fan Noise Testing, Modelling and Tracking Program</b>	<b>42171</b>
<b>Nall, James</b> <i>CH2M HILL</i>	■ <b>Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	<b>43454</b>
<b>Nam, Chang Mo</b> <i>Yeungnam College</i>	■ <b>Pulsed Corona Discharge Process for Simultaneous Removal of SO<sub>2</sub>/NO<sub>x</sub> from a Sintering Plant of Steel Works</b>	<b>42070</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Nand, Krishna</b> <i>Parsons Engineering Science</i>	■ <b>A Fix for the USEPA's RMP*Comp Model</b>	<b>43100</b>
	■ <b>Air Toxics Health Risks from Thermal Power Plants</b>	<b>43105</b>
<b>Napotnik, Julie</b> <i>Concurrent Technologies Corporation</i>	■ <b>The ETV P2 Innovative Coatings and Coating Equipment Program - An Update</b>	<b>42261</b>
<b>Narasimhan, Uttam</b> <i>Illinois Institute of Technology</i>	■ <b>Optimizing Adsorption within Gas - Sorbent Suspensions: A Proof of Concept Study</b>	<b>43223</b>
<b>Natschke, David F</b> <i>Arcadis G&amp;M</i>	■ <b>Radial Computed Tomography Of Air Contaminantas Using Optical Remote Sensing</b>	<b>45415</b>
<b>Naylor, Michael</b> <i>Justice &amp; Associates</i>	■ <b>Discoloration Of Stucco And Other Surfaces In The Southeast Las Vegas Valley, Nevada Caused By Manganese Particulate Deposition</b>	<b>42603</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Neimeier, Robert M.</b> <i>O'Brien &amp; Gere Engineers</i>	<b>■ USEPA's National Nitrate Compliance Agreement - Amnesty Shield Provides Opportunity for Facilities to Clean House</b>	<b>43058</b>
<b>Neves, Neuza</b> <i>Cetrel</i>	<b>■ Re-evaluation of the Air Monitoring Network of an Petrochemical Complex</b>	<b>42455</b>
<b>Neves, Neuza Maria</b> <i>Cetrel</i>	<b>■ Use Of Mathematical Models To Estimate The Emissions Inventory And To Simulate The Atmospheric Dispersion Of A Wastewater Plant Of A Large Petrochemical Complex</b>	<b>43043</b>
<b>Newman, Robert P</b> <i>EA Engineering, Science and Technology</i>	<b>■ Results of Modeling the Air Quality Impact of a Proposed Parking Garage in Baltimore, Maryland</b>	<b>41089</b>
<b>Nguyen, Paul</b> <i>USDA Natural Resources Conservation Service</i>	<b>■ Corraling the Dust in the Antelope Valley</b>	<b>45472</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Nicolas, Jean-Christophe</b> <i>Environnement SA</i>	■ <b>Application of an open path UV-DOAS to monitor nitrogen oxides in tunnels</b>	<b>45493</b>
<b>Norbeck, Joseph</b> <i>CE-CERTUCR</i>	■ <b>A Global Sensitivity Analysis of Photochemical Models Used for Predicting Tropospheric Ozone: Application to New York State</b>	<b>41918</b>
<b>Norbeck, Joseph M.</b> <i>University of California</i>	■ <b>An Assessment of the Contribution of Mobile Sources on Visibility Degradation in the Los Angeles Basin: Past, Present, and Future</b>	<b>42311</b>
	■ <b>An Estimate of the Emissions of Toxic Air Contaminants for Medium-Duty Diesel-Powered Vehicles</b>	<b>42700</b>
<b>Norfleet, Stephen</b> <i>RMB Consulting &amp; Research, Inc.</i>	■ <b>NOx Budget Reporting Requirements</b>	<b>43146</b>
<b>Norris, Gregory A</b> <i>Sylvatica</i>	■ <b>The Use of TRACI for Pollution Prevention and Sustainable Development</b>	<b>42822</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Novy, David B.</b> <i>Air Force Institute of Technology</i>	■ <b>Chromate Concentration Bias In Epoxy Primer Paint by Particle Size</b>	<b>43340</b>
<b>Noyola, Adalberto</b> <i>Institute of Engineering, National University from Mexico</i>	■ <b>H2S Removal By Compost Biofiltration: Media Mixing Effects On Operational Factors</b>	<b>42688</b>

**O**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>O'Connor, Thomas</b> <i>National Grain and Feed Association</i>	■ <b>Dust Emission Measurements of Barge/Vessel Grain Handling Operations (An EPA/Industry Cooperative Effort)</b>	<b>55553</b>
<b>O'Kane, Stephen</b> <i>CH2M HILL Inc.</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Oanh, Nguyen Thi Kim</b> <i>Asian Institute of Technology</i>	■ <b>Photochemical Pollution in Bangkok, Thailand and Associated Local Meteorological Conditions and O3 Precursors Concentrations</b>	<b>43211</b>
	■ <b>Synoptic Climatological Approach to Development of Warning Signals for SO2 Episodes at the Mae Moh Valley, Thailand</b>	<b>43307</b>
<b>Ogren, John</b> <i>NOAA</i>	■ <b>Ambient Aerosol Characteristics at a Midwestern USA Site from 1995 to 2000</b>	<b>43084</b>
<b>Oh, Justin</b> <i>North Carolina State University</i>	■ <b>QC/QA - An Integral Step in the Development of the 1999 National Emissions Inventory for HAPs</b>	<b>42283</b>
<b>Ohio University Health Sciences, KevinCrist</b>	■ <b>Characterization of Fine Particulate Matter at Schools in Ohio</b>	<b>42992</b>
<b>Ojha, Sunil</b> <i>University of Toledo</i>	■ <b>Pollution Prevention Tools for Small and Medium Sized Industries</b>	<b>42838</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Okamoto, Kenji</b> <i>Laboratory of Biocatalyst Technology Tottori University</i>	■ <b>Removal of Acrylonitrile and Styrene by a Packed Tower Biofilter</b>	<b>42851</b>
<b>Olson, Neal</b> <i>Utah State Department Of Environmental Quality</i>	■ <b>Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002</b>	<b>42675</b>
<b>Olsson, Paula J</b> <i>HighPoint Software Services, Inc.</i>	■ <b>Pfizer's Air Quality Management System</b>	<b>43000</b>
<b>Ono, David Y</b> <i>Pfizer, Inc., EH&amp;S</i>	■ <b>Pfizer's Air Quality Management System</b>	<b>43000</b>
<b>Ordonez, Ralph</b> <i>Solar Turbines, Inc.</i>	■ <b>Gas Turbines in Distributed Generation: Applications and Regulatory Issues</b>	<b>42787</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Otten, John L.</b> <i>Air Quality Section, DAWM-DNREC</i>	■ <b>Emission Trends of VOC and NOx in Delaware Rate-of-Progress Planning and Periodic Emission Inventories</b>	<b>45357</b>

**P**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Paca, Jan</b> <i>Institute of Cemical Technology</i>	■ <b>Removal of Aliphatic Gasoline Compounds in Perlite Biofilter</b>	<b>43012</b>
<b>Pace, Thompson G.</b> <i>U.S. EPA</i>	■ <b>Airborne Dust Removal by Vegetative Groundcover</b>	<b>55552</b>
<b>Paine, Robert J.</b> <i>ENSR Corporation</i>	■ <b>FLAG Aftermath: Effects of the Federal Land Managers Modeling Guidance on CALPUFF Applications for New Source Permitting</b>	<b>42534</b>
<b>Park, Jungsu</b> <i>University Of Texas At Austin</i>	■ <b>Investigation Of A Polyurethane Foam Biofilter:Effect Of Operating Mode And Nutrient Supply</b>	<b>43170</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Park, Sun-Kyoung</b> <i>Georgia Institute of Technology</i>	■ <b>Statistical Modeling of PM2.5 Mass in Atlanta: Results From the First Two Years of the ASACA Study</b>	<b>41706</b>
<b>Patrick, R. M. Pat</b> <i>Air Consulting &amp; Engineering Solutions</i>	■ <b>Overview Of Corpus Christi Emission Inventory for 1999</b>	<b>41815</b>
<b>Paulus, David</b> <i>Colorado State University</i>	■ <b>Reducing Remelting in Manufacturing Extruded Aluminum Products</b>	<b>42919</b>
<b>Pavlish, John</b> <i>Energy &amp; Environmental Research Center</i>	■ <b>Sorbent Development for Control of Mercury Emissions from Utility Power Plants</b>	<b>42889</b>
<b>Pease, Robert R</b> <i>South Coast Air Quality Management District</i>	■ <b>Structuring an Emissions Offset Solution for New Power Plants in the Los Angeles Basin in the Midst of California's Energy Crisis</b>	<b>41934</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Pei, B. S.</b> <i>National Tsing Hua University</i>	■ <b>Effect of Operating Parameters on the Performance of ZSM-5 Zeolite Honeycomb Rotor for VOCS Treatment</b>	<b>43023</b>
<b>Pelagagge, Pacifico Marcello</b> <i>Università di L'Aquila</i>	■ <b>Sustainable Manufacturing System For Printing Processes</b>	<b>42867</b>
	■ <b>VOC Control In An Underground Experimental Facility: Technical And Safety Issues</b>	<b>42865</b>
<b>Perrell, Susan</b> <i>CH2M Hill Inc.</i>	■ <b>Empowering Site Management Teams Through an Integrated, Collaborative</b>	<b>45486</b>
<b>Petersen, James N.</b> <i>Washington State University</i>	■ <b>Remediation of Environmental Hexavalent Chromium Contamination Using Chromate Reducing Bacterial Consortia</b>	<b>41646</b>
<b>Peyton, Brent M.</b> <i>Washington State University</i>	■ <b>Remediation of Environmental Hexavalent Chromium Contamination Using Chromate Reducing Bacterial Consortia</b>	<b>41646</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Pfeffer, Nancy</b> <i>Southern California Association of Governments</i>	■ <b>Analysis of Environmental Justice Implications for Air Quality Under a Regional Transportation Plan</b>	<b>42985</b>
<b>Philip, Ligy</b> <i>Indian Institute of Technology, Madras</i>	■ <b>Biological Treatment of NOx and SO2</b>	<b>43577</b>
	■ <b>Complete Nox and SO2 Treatment in a Biotrickling Filter - Bioreactor System</b>	<b>43571</b>
<b>Phillips, Sharon Baker</b> <i>North Carolina State University</i>	■ <b>Measurement and Modeling of Ammonia Flux and Dry Deposition Velocity from Near-Surface Concentration Gradient Measurements over Natural Surfaces in North Carolina</b>	<b>43080</b>
<b>PIAO, Haishan</b> <i>University of Cincinnati</i>	■ <b>Stabilization and Leachability Studies of Mercury-Containing Wastes</b>	<b>42527</b>
<b>Piero, Tim</b> <i>University of Louisville</i>	■ <b>An EMS Framework for Implementing Sustainability Tools</b>	<b>42714</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Pilkington, Gary <i>Abbott Laboratories</i>	■ EHS Business Risk Management; A Technology Perspective	43178
Pilot, Jayne <i>Pilot Performance Resources Management Inc.</i>	■ International Standards - ISO 19011 - Environmental/Quality Auditing	42153
	■ International Standards for Quality Management - ISO 9001:2000	45397
	■ Management System Design using "Three Step Process - Identify, Insure, Improve	45400
Piromyaporn, Chutimon <i>Asian Institute of Technology</i>	■ Synoptic Climatological Approach to Development of Warning Signals for SO2 Episodes at the Mae Moh Valley, Thailand	43307
Pitchford, Marc <i>Desert Research Institute</i>	■ The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze	88881
Podraza, Daniel <i>Boelter &amp; Yates, Inc.</i>	■ The Business Environmental Site Assessment: Reducing Financial Uncertainties Associated with Urban Redevelopment	43139



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Pol, Look Hulshoff</b> <i>Wageningen University, NL</i>	<b>■ BioDeNOx: Fe-EDTA as electron mediator between denitrification and iron reduction</b>	55555
<b>Polito, Richard</b> <i>Maricopa County, AZ, Environmental Services</i>	<b>■ Environmental Mentoring: A Paradigm Shift in Regulatory Compliance For The Business Community</b>	42495
<b>Poor, Noreen</b> <i>University of South Florida</i>	<b>■ Ammonia Flux at the Air/Water Interface of Tampa Bay</b>	42197
	<b>■ An Evaluation of the Errors Associated With Loss of Puffs at the Boundary of the CALPUFF Modeling Domain</b>	42432
	<b>■ Can Bulk Deposition Measurements Reasonably Estimate Nitrogen Deposition Rates?</b>	42494
	<b>■ Do Macroparticles Contain Nitrogen?</b>	42931
	<b>■ The Influence of Air Mass Origin on Wet Deposition of Nitrogen to Tampa Bay, FL</b>	43024
<b>Pope, Anne</b> <i>US EPA</i>	<b>■ QC/QA - An Integral Step in the Development of the 1999 National Emissions Inventory for HAPs</b>	42283



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Pope, Jeffery L.</b> <i>Clayton Group Services, Inc.</i>	■ <b>In Situ Remediation of Low-Permeability Soils Using Electrical Resistive Heating</b>	<b>43070</b>
<b>Pope, Richard J.</b> <i>Malcolm Pirnie</i>	■ <b>Case Study: Formaldehyde Emissions from IC Engines Combusting Digester Gas Using FTIR</b>	<b>43147</b>
<b>Pope III, C. Arden</b> <i>Brigham Young University</i>	■ <b>Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001</b>	<b>42657</b>
<b>Popov, Vladimir</b> <i>A.N.Bakh Institute of Biochemistry</i>	■ <b>Design, Construction And Long-Term Performance Of Novel Type Of Industrial Biotrickling Filters For Voc Control</b>	<b>42602</b>
<b>Possiel, Norman</b> <i>U. S. EPA</i>	■ <b>Evaluation and Sensitivity Studies of USEPA's Models-3 /CMAQ Annual Model Simulations over the Continental United States</b>	<b>42482</b>
<b>Pourzand, Henry H</b> <i>South Coast Air Quality Management District</i>	■ <b>Structuring an Emissions Offset Solution for New Power Plants in the Los Angeles Basin in the Midst of California's Energy Crisis</b>	<b>41934</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Power, Anne D.</b> <i>O'Brien &amp; Gere Engineers, Inc.</i>	■ <b>Creative Ways to Generate and Certify Emission Reduction Credits</b>	<b>41579</b>
<b>Pratt, Gregory C.</b> <i>Minnesota Pollution Control Agency</i>	■ <b>UNMIX Modeling Assessment of Gaseous Organic Compounds</b>	<b>42081</b>
<b>Prien, Justin</b> <i>CNew Mexico Institute of Mining and Technology</i>	■ <b>Destruction of 1,1,1-trichloroethane (TCA) using Non-Thermal Plasma (NTP)</b>	<b>42930</b>
<b>Profitt, David</b> <i>ARCADIS Geraghty &amp; Miller,</i>	■ <b>Application of a Multi-lag Regression Approach to Determine On-Road PM10 and PM2.5 Emission Rates</b>	<b>42967</b>
<b>Provens, Timothy</b> <i>AFRL/MLQL</i>	■ <b>Microwave Treatment of Hypergolic Fuel and Oxidizer Vapors</b>	<b>45779</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Putnam, Robert A.</b> <i>Siemens Westinghouse Power Corp</i>	<b>■ Uncertainty in Power Plant Sound Level Surveys</b>	<b>53333</b>

AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Q</b>		
<b>Qin, Jim</b> <i>Trigen Energy Corporation</i>	<b>■ Trigen's Web-Based Environmental and Safety Information: A Case Study</b>	<b>42659</b>
<b>Qin, Wenjun</b> <i>Exponent</i>	<b>■ Effect of Exhaust Stack Geometry on the Amount of Liquid Condensate during plant start-up</b>	<b>45300</b>
<b>Qiu, Xin</b> <i>Rowan Williams Davis &amp; Irwin Inc.</i>	<b>■ Regional Air Quality Model Sensitivity to Power Plant Emissions in Southern Ontario</b>	<b>42829</b>
<b>QU, Yingge</b> <i>University of Connecticut</i>	<b>■ Ultrafine Particle Number Concentrations And Size Distributions Of Diesel, Natural Gas, And Trap-Equipped Diesel Transit Buses Measured With An Electrical Low Pressure Impactor</b>	<b>42563</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Queiroz, Rogerio Silveira</b> <i>UFES</i>	<b>■ Emissions From A Sinterizing Plant Using Statistical Models</b>	<b>42498</b>
	<b>■ Grande Vitória Air Quality Automatic Monitoring Network</b>	<b>42502</b>
<b>Quinn, Patricia</b> <i>NOAA-PMEL</i>	<b>■ Ambient Aerosol Characteristics at a Midwestern USA Site from 1995 to 2000</b>	<b>43084</b>

**R**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Rafati, Sharareh</b> <i>Air Consulting &amp; Engineering Solutions</i>	<b>■ Overview Of Corpus Christi Emission Inventory for 1999</b>	<b>41815</b>
<b>Raja, Suresh</b> <i>Louisiana State University, Chemical Engineering</i>	<b>■ Adsorption Of Aromatic Hydrocarbon Vapors At The Gas-Solid And Gas-Water Interface</b>	<b>42317</b>
<b>Raley, Daniel L</b> <i>EA Engineering</i>	<b>■ Winter Use Transportation Air Quality Impacts at the West Yellowstone Entrance</b>	<b>43085</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ramirez, David</b> <i>University of Illinois at Urbana-Champaign</i>	■ <b>Characterization Of Physical, Thermal And Adsorption Properties Of A Series Of Activated Carbon Fiber Cloths</b>	<b>43166</b>
	■ <b>Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Ranasinghe, Milinda Anupa</b> <i>University of Canterbury</i>	■ <b>Modelling the Mass &amp; Energy Balance in a Compost Biofilter</b>	<b>42108</b>
<b>Rangan, Ravi</b> <i>Delaware Dept of Natural Resources</i>	■ <b>Innovative PM10/TSP Monitoring Strategy In Development of Petroleum Coke Handling Permit</b>	<b>45407</b>
<b>Rangdet, Alain</b> <i>Environnement SA</i>	■ <b>Application of an open path UV-DOAS to monitor nitrogen oxides in tunnels</b>	<b>45493</b>
	■ <b>Use of an Open-Path UV--DOAS</b>	<b>45494</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>RAO, (Ganga) Prasad G.</b> <i>Energy, Environmental and Mineral Economist</i>	<b>■ Risky Analysis Indeed! An Economist's Critique of Risk Analyses of Emissions from Petroleum Refinery FCCs</b>	<b>45482</b>
	<b>■ What is Wrong with the NSPS for Petroleum Refinery FCCs and How to Fix It for Refinery MACT II?</b>	<b>45480</b>
<b>Rao, S. Trivikrama</b> <i>University at Albany</i>	<b>■ Temporal and spatial variability of ozone production efficiencies over the eastern United States</b>	<b>43110</b>
<b>Rao, Vijay V.</b> <i>TUV Rheinland of North America, Inc.</i>	<b>■ Training Auditors for Effective Auditing</b>	<b>42694</b>
<b>Ratcliff, Michael</b> <i>RWDI</i>	<b>■ Comparison of ISC-Prime and Wind Tunnel Results</b>	<b>43115</b>
<b>Ravikrishna, Raghunathan</b> <i>Louisiana State University, Chemical Engineering</i>	<b>■ Adsorption Of Aromatic Hydrocarbon Vapors At The Gas-Solid And Gas-Water Interface</b>	<b>42317</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ray, John D.</b> <i>National Park Service</i>	■ <b>Trace Gases in the Great Smoky Mountains National Park: Measurements, Analysis, and Sources Identification</b>	<b>43260</b>
<b>Reaves, James C.</b> <i>Pfizer Inc.</i>	■ <b>Making the cut: When to keep your EHS Systems and When to Implement New Ones</b>	<b>43198</b>
<b>Reavie, Euan D.</b> <i>Jacobs Engineering Group Inc.</i>	■ <b>Groundwater Treatment System Impacts on Freshwater Ecosystems: A Massachusetts Military Reservation Case Study</b>	<b>43097</b>
	■ <b>Optimization of Monitoring Well Networks Using Spatial Winnowing and Temporal Thinning Applied to a Contaminant Plume at the Massachusetts Military Reservation</b>	<b>43119</b>
<b>Reed, Gregory D</b> <i>University of Tennessee</i>	■ <b>Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6</b>	<b>42613</b>
	■ <b>The Effect of Personal Income on Vehicle Age and Vehicle Emissions</b>	<b>42612</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Reese, Michael</b> <i>Boelter &amp; Yates, Inc.</i>	<b>■ "Hot Spot" Remediation Using Enhanced Natural Attenuation and Groundwater Extraction</b>	<b>43143</b>
	<b>■ Managing Uncertainties Associated with Post-Acquisition Remediation Agreements</b>	<b>43126</b>
	<b>■ The Business Environmental Site Assessment: Reducing Financial Uncertainties Associated with Urban Redevelopment</b>	<b>43139</b>
<b>Regio, Antonio Avancini</b> <i>Companhia Siderurgica De Tubarao</i>	<b>■ Emissions From A Sinterizing Plant Using Statistical Models</b>	<b>42498</b>
<b>Reid, John</b> <i>Saint-Gobain NorPro</i>	<b>■ Development of Improved Ceramic Heat Transfer Media For RTO's</b>	<b>43533</b>
<b>Reiley, R.</b> <i>PA DEP</i>	<b>■ Public Participation as an Integral Part of Environmental Decisionmaking</b>	<b>42149</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Reinermann, Paul</b> <i>Pavilion Technologies, Inc.</i>	■ <b>Real-Time Compliance Determinations and Environmental Compliance Forecasting using Existing Data Historians</b>	<b>42756</b>
<b>Renninger, Scott</b> <i>US Department of Energy</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Restrepo, Alejandro</b> <i>Universidad Nacional de Colombia</i>	■ <b>Image Analysis to Characterize TSP in Medellin Colombia</b>	<b>42395</b>
<b>Revah, Sergio</b> <i>Universidad Autonoma Metropolitana</i>	■ <b>Fungal Biofiltration Of A Hydrophobic Pollutant On Ceramic Supports</b>	<b>42904</b>
	■ <b>H2S Removal By Compost Biofiltration: Media Mixing Effects On Operational Factors</b>	<b>42688</b>
<b>Reza, Ali</b> <i>Exponent</i>	■ <b>Effect of Exhaust Stack Geometry on the Amount of Liquid Condensate during plant start-up</b>	<b>45300</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Rhoderick, George C.</b> <i>National Institute of Standards and Technology</i>	■ <b>Quality Assurance of Gas-Phase Infrared Reference Spectral Data</b>	<b>45370</b>
<b>Richardson, Michael</b> <i>First Environment, Inc.</i>	■ <b>Establishing Greenhouse Gas Baselines in Developing Countries: A case study of Mexico</b>	<b>42590</b>
<b>Riggs, Karen B</b> <i>Battelle</i>	■ <b>ETV Verification Testing of Continuous Ambient Fine Particle Monitors</b>	<b>43497</b>
<b>Riley, Daniel</b> <i>State of Vermont</i>	■ <b>An Evaluation of the CALMET Meteorological Model Surface Wind Field Predictions</b>	<b>42882</b>
<b>RIMPO, Edward</b> <i>Jones &amp; Stokes</i>	■ <b>Road Construction Emissions Model</b>	<b>42299</b>
<b>Ritwik, Ujwal</b> <i>Kuwait National Petroleum CO.</i>	■ <b>Environmental Performance Measurement Framework for Petroleum Refineries</b>	<b>42609</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Rivera, Elena</b> <i>Zephyr Environmental Corporation</i>	■ <b>'Green' Film Processing</b>	<b>42560</b>
<b>Rizzo, Michael</b> <i>United States EPA</i>	■ <b>Assessing Ozone Networks Using Positive Matrix Factorization</b>	<b>43065</b>
<b>Roark, Shane E.</b> <i>Eltron Research Inc.</i>	■ <b>Low-Temperature Catalytic Oxidation of Airborne Organic Materials</b>	<b>42727</b>
<b>Robbins, John C</b> <i>Unisearch Associate</i>	■ <b>Development of a Compact Raman Spectrometer for Detecting Product Interfaces in a Gasoline Pipeline</b>	<b>43431</b>
<b>Roberts, Earl</b> <i>RES Environmental Inc.</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Rodriguez, Maria</b> <i>Air Force Air Armament Center</i>	■ <b>Writing a Title V Permit - A Team Approach</b>	<b>42870</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Rogers, Christopher</b> <i>Harding ESE</i>	■ <b>Ozone concentrations measured by the Clean Air Status and Trends Network (CASTNet)</b>	<b>42763</b>
<b>Rogers, Christopher M.</b> <i>Harding ESE</i>	■ <b>CASTNet Sulfur Dioxide and Nitrogen Oxide Ambient Concentration Trends and the Title IV Acid Rain Provisions</b>	<b>42717</b>
<b>Rogers, III, Edward F.</b> <i>Malcolm Pirnie, Inc.</i>	■ <b>Strategies To Achieve Compliance With The Upcoming MON MACT Rule (40 CFR 63 Subpart FFFF)</b>	<b>42737</b>
<b>Rollans, Sam W.</b> <i>TNRCC</i>	■ <b>Advanced Methods for Estimating Annual Stockpile Emissions</b>	<b>42572</b>
<b>Roney, Jason</b> <i>Sonoma Technology, Inc.</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>Rood, Mark J.</b> <i>University of Illinois</i>	■ <b>Ambient Aerosol Characteristics at a Midwestern USA Site from 1995 to 2000</b>	<b>43084</b>
	■ <b>Characterization Of Physical, Thermal And Adsorption Properties Of A Series Of Activated Carbon Fiber Cloths</b>	<b>43166</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
	■ Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption	43046
Rose, J. Kevin <i>Battelle</i>	■ Hexavalent Chrome Extraction from Wastewater	42966
Ross, Julie <i>ERM</i>	■ Air Impacts of Distributed Generation Power Sources in Maryland	42920
Rous, Heidi <i>SAIC</i>	■ Authoring Your Own Draft Title V Permit	45488
Rousseau, Jacques <i>Environment Canada</i>	■ Issues Related to Benzene in Eastern Montreal (Quebec) Canada	42265
Roy, D.N. <i>University of Toronto</i>	■ Bioaccumulation and Toxicity Effect of Mn from Automotive Combustion of Methylcyclopentadienyl manganese tricarbonyl (MMT) on grass ( <i>Tradescantia</i> ) species beside the major highways in Greater Toronto Area	43106
Rubin, Barry L. <i>EA Engineering</i>	■ Planning, Procurement And Practice: Utilizing Ems Tools To Enhance Compliance And Reduce Risk	43089



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Rudnai, Alan</b> <i>Applied Science Fiction</i>	■ <b>'Green' Film Processing</b>	<b>42560</b>
<b>Rupakheti, Maheswar</b> <i>Dalhousie University</i>	■ <b>Solid Waste Management Practices in Under-developed Countries: A Case of Nepal</b>	<b>42555</b>
<b>Russell, Armistead G.</b> <i>Georgia Institute of Technology</i>	■ <b>Principal Components Analysis to Determine PM2.5 Source Contributions in Atlanta: Results From the First year of the ASACA Study</b>	<b>42768</b>
	■ <b>Statistical Modeling of PM2.5 Mass in Atlanta: Results From the First Two Years of the ASACA Study</b>	<b>41706</b>



## S

## AUTHOR

## PAPER TITLE

PAPER  
NUMBER

**Sagebiel, John**  
*Desert Research  
Institute*

■ **Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters**

42565

**Saldaña, Erik  
Velasco**  
*CENICA, Air  
Quality Research*

■ **Measurements of the Vertical Profile of Meteorological Parameters and Pollutants Concentration in Mexico City**

42663

**Salmon, Lynn G.**  
*Californina  
Institute of  
Technology*

■ **Heavy Metal Content and Source-Receptor Reconciliation of Ambient PM<sub>2.5</sub> Near a Coal-Fired Institutional Boiler**

42758

**Sams, Robert L.**  
*Battelle, Pacific  
Northwest  
National  
Laboratory*

■ **Quality Assurance of Gas-Phase Infrared Reference Spectral Data**

45370

**Sanders, Drury  
C.**  
*RMB Consulting &  
Research, Inc.*

■ **QA Requirements Following Preventive & Corrective Maintenance**

42891



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Sands, Rob</b> <i>InteGreyted Consultants, LLC,</i>	■ <b>EHS Business Risk Management; A Technology Perspective</b>	<b>43178</b>
<b>Santana, Eliane Martins</b> <i>UFBA</i>	■ <b>Use Of Mathematical Models To Estimate The Emissions Inventory And To Simulate The Atmospheric Dispersion Of A Wastewater Plant Of A Large Petrochemical Complex</b>	<b>43043</b>
<b>Santolim, Luiz Claudio</b> <i>Ecosoft Eng. InCo</i>	■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b>	<b>42502</b>
<b>Sapkota, Amir</b> <i>Johns Hopkins University</i>	■ <b>Mobile Source Contribution to Ambient 1,3-Butadiene, Benzene and Particle-Bound PAH at a Tollbooth</b>	<b>42113</b>
<b>Saricks, Chris</b> <i>Argonne National Laboratory</i>	■ <b>The Real Air Quality Benefits of Gaseous-Fueled Vehicles</b>	<b>42220</b>
<b>Sarofim, Adel</b> <i>Reaction Engineering International</i>	■ <b>Mercury Oxidation in Coal-Fired Utility Boilers: Validation of Gas-Phase Kinetic Models</b>	<b>42676</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Sather, Mark</b> <i>U.S. EPA</i>	■ <b>Ambient Ozone Concentration Trends in the South Central U.S. During the Period 1986-2000</b>	<b>41251</b>
<b>Saylor, Sara</b> <i>Tinker AFB, Environmental Management</i>	■ <b>Groundwater Modeling Results - A Case Study</b>	<b>41853</b>
<b>Scaccia, Federica</b> <i>Università di L'Aquila</i>	■ <b>Sustainable Manufacturing System For Printing Processes</b>	<b>42867</b>
<b>Schaaf, Mark</b> <i>Air Sciences Inc.</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>Schaefer, Anne</b> <i>Tinker AFB</i>	■ <b>Authoring Your Own Draft Title V Permit</b>	<b>45488</b>
<b>Schajnoha, Sharon</b> <i>RWDI</i>	■ <b>Comparison of ISC-Prime and Wind Tunnel Results</b>	<b>43115</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Schakenbach, John <i>USEPA</i>	■ Methods 2F and 2G Audits of Wind Tunnels Used to Calibrate Velocity Probes	43060
	■ Spin Off of Selected CEMS-Related QA Activities	42583
Schattaneck, Guido <i>Parsons Brinckerhoff Inc.</i>	■ Implementation Of Retrofit/Clean Fuel Program For Diesel Equipment During The Construction Phase Of Two Large Transportation Projects	42536
Scheff, Peter A. <i>University of Illinois at Chicago</i>	■ Assessing Ozone Networks Using Positive Matrix Factorization	43065
Schewe, George J. <i>Environmental Quality Management</i>	■ PM10 and Precursor Emission Inventory for Modeling the Portneuf Valley, Idaho Non-attainment Area	43531
Schichtel, Bret A. <i>Colorado State University</i>	■ The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze	88881



AUTHOR	PAPER TITLE	PAPER NUMBER
Schiff, Harold <i>Unisearch Associates</i>	■ Development of a Compact Raman Spectrometer for Detecting Product Interfaces in a Gasoline Pipeline	43431
	■ The Application Of Tunable Diode Laser System For Monitoring H2S In A Co-Generation Facility	43530
Schlager, Richard <i>ADA-ES, LLC</i>	■ Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant	43249
Schliesser, Steve Paul <i>NC DAQ, Toxics Protection Branch</i>	■ Hydrogen Sulfide Study near Petroleum Asphalt Plants	45487
Schmelzle, John P. <i>RETTEW Associates, Inc.</i>	■ Evaluating the Appropriateness of AP-42 Emission Factors	42666
Schmidt, C. E. <i>C. E. Schmidt</i>	■ Calibration of Emission Model by Flux Chamber Measurement for Emissions from Industrial Facultative Ponds	43423
	■ Estimating Air Emissions from Unit Treatment Process with Weirs	43373



AUTHOR	PAPER TITLE	PAPER NUMBER
	■ Predicting Potential Exposure for the Occupants in Future Buildings Using Direct Measurement and Predictive Modeling Techniques	43141
Schmidt, Charles <i>Independent Consultant</i>	■ Evaluation of an Underpressurized Emission Flux Chamber for Measuring Potential Subsurface Vapor Intrusion into Buildings	42690
Schmidt, Charles <b>E</b> <i>Ph.D., Independent</i>	■ Differentiating Multiple Sources of Subsurface Contamination by Similar Petroleum Products- Air Pathway Analysis Used in Conjunction with Routine Multimedia Site Assessment Technologies	42785
Schmidt, Charles <b>E.</b> <i>Charles E. Schmidt Consulting</i>	■ Flux Chambers and Wind Tunnels: What is Currently Known about their Performance and Applicability	42654
Schroeder, <b>Edward D.</b> <i>University of California, Davis</i>	■ Aerobic Removal NO on Carbon Foam Packings	43550



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Schroer, Charles F.</b> <i>North American Manufacturing Co.</i>	■ <b>Expanding Production At A Gypsum Wall Board Plant In A Severe Non-Attainment Area</b>	<b>45468</b>
<b>Scotto, Robert L.</b> <i>Minnich and Scotto, Inc.</i>	■ <b>Use Of Open-Path FTIR Spectroscopy to Support Development of Refined Estimates of H2S Emissions from a New York City Municipal Wastewater Treatment Plant</b>	<b>42805</b>
<b>Seachman, Stephen E.</b> <i>CRA, Inc.</i>	■ <b>Compliance with Halogenated Solvent Cleaning NESHAP Standards</b>	<b>45820</b>
<b>Seeker, Randy</b> <i>GE Energy &amp; Environmental Research Corp.</i>	■ <b>Control of NOx and Mercury Emissions Using Coal Reburning</b>	<b>42910</b>
<b>Seguin, Russell J.</b> <i>Advanced Micro Devices, EHS</i>	■ <b>Improving The Performance Of A Rotary Concentrator Thermal Oxidizer VOC Abatement System For Removal Of Solvent Vapors From Semiconductor Manufacturing Exhaust</b>	<b>43176</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Senior, Constance <i>Reaction Engineering International</i>	■ The Formalization And ISO 14001/OHSAS 18000 Certification Of An Integrated Environmental, Health And Safety (EHS) Management System At A Semiconductor-Manufacturing Site	43154
Serageldin, Mohamed <i>US EPA</i>	■ Impact of Carbon-in-Ash on Mercury Removal Across Particulate Control Devices in Coal-Fired Power Plants	42730
Serne, Jim <i>TRC</i>	■ Mercury Oxidation in Coal-Fired Utility Boilers: Validation of Gas-Phase Kinetic Models	42676
Sexton, Kyra <i>URS Corporation</i>	■ Air Bio-Reactor Systems: A Regulator's Perspective	42952
Shade, Pamela <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	■ The Miscellaneous Metal Parts and Products (MMPP) MACT Rule	42391
	■ Meeting Munitions Management Challenges at DoD Ranges	43492
	■ Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework	43224



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Shanklin, Scott A.</b> <i>The Cadmus Group, Inc.</i>	■ <b>Methods 2F and 2G Audits of Wind Tunnels Used to Calibrate Velocity Probes</b>	<b>43060</b>
<b>Sharpe, Steven W.</b> <i>Battelle, Pacific Northwest National Laboratory</i>	■ <b>Quality Assurance of Gas-Phase Infrared Reference Spectral Data</b>	<b>45370</b>
<b>Shaw, Craig</b> <i>OO-ALC/EMV, EMV</i>	■ <b>CTP2 Implementation Case study-Hill AFB, Utah</b>	<b>42558</b>
<b>Sheadel, Douglas</b> <i>Modeling Specialties</i>	■ <b>Sound Level Analysis in 1/3 Octave Band Resolution</b>	<b>42998</b>
<b>Sheikh, Salman M.</b> <i>Fossil Consulting Services. Inc.</i>	■ <b>Reducing Power Plant Emissions through Efficiency Awareness Training</b>	<b>43113</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Sheldon, Andrew</b> <i>URS Corporation</i>	■ <b>Evaluation of an Underpressurized Emission Flux Chamber for Measuring Potential Subsurface Vapor Intrusion into Buildings</b>	<b>42690</b>
<b>Shen, Keh-Perng</b> <i>Industrial Technology Research Institute</i>	■ <b>A New Approach of Odour Control by Using NaOCl and Electrolysis: The Practical Case of Wastewater Treatment Plant of Tannery Industry</b>	<b>45394</b>
<b>Shih, Jack C.</b> <i>International Truck and Engine Corporation</i>	■ <b>NSR-Influenced Innovations, Permitting Strategies And Solutions</b>	<b>42312</b>
<b>Shortell, Verne</b> <i>Conectiv</i>	■ <b>The Maintenance of EHS Management Systems</b>	<b>43204</b>
<b>Siddiqui, Kaniz F.</b> <i>Metropolitan Sewer District of Greater Cincinnati</i>	■ <b>Circulating Aeration System For Controlling Voc Emissions From Aeration Basins In Potws</b>	<b>42529</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Sigling, Ralf</b> <i>Siemens Westinghouse Power Corporation</i>	■ <b>Comprehensive NOx Emissions Solutions for Gas Turbines</b>	<b>42824</b>
<b>Silva, Antônio Carlos</b> <i>Secretaria de Estado de Meio Ambiente</i>	■ <b>Grande Vitória Air Quality Automatic Monitoring Network</b>	<b>42502</b>
<b>Singh, Prem</b> <i>John Zink Co. LLC</i>	■ <b>NOx Emissions Reduction Technologies in the Petrochemical and Refining Industries</b>	<b>42935</b>
<b>Singh, Rakesh B</b> <i>Research Associate US EPA</i>	■ <b>Application of a Microscale Emission Factor Model for Particulate Matter (MicroFacPM) to Calculate Vehicle Generated Contribution of PM2.5 Emissions</b>	<b>42825</b>
	■ <b>Application of a Microscale Emission Factor Model for Particulate Matter (MicroFacPM) in Conjunction with CALINE4 Model</b>	<b>42816</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Sisler, James F. <i>Colorado State University</i>	■ Estimating Long Term Visibility Trends: A Comparison Between EPA Proposed Guidance and Historic IMPROVE Methods	88888
Sjostrom, Sharon <i>Apogee Scientific</i>	■ FIELD STUDIES OF MERCURY CONTROL USING INJECTED SORBENTS	43568
	■ Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant	43249
	■ MerCAP: A Novel Approach for Vapor Phase Mercury Capture	43569
Skaggs, Keith W. <i>Anteon Corp.</i>	■ Comparison of Aircraft and Other Mobile Source Engine Testing Procedures	42466
Skone, Timothy <i>SAIC</i>	■ LCAccess: Promoting the Use of Life Cycle Assessment	43051
Skone, Timothy J. <i>SAIC</i>	■ www.LCAccess - Global Directory of LCI Resources	43050
Slavick, Michael <i>CH2M HILL</i>	■ Reducing Airport Emissions through the General Conformity Process	43059



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Slocomb, Stephen</b> <i>Epsilon Associates, Inc.</i>	■ <b>Combined Cycle Conversion and Case Study for an Existing 1200 MW Utility Plant</b>	<b>45491</b>
	■ <b>Environmental Justice Analysis Performed for a Gas Fired Power Plant in the Northeast</b>	<b>42628</b>
<b>Slye, Rick</b> <i>Apogee Scientific</i>	■ <b>FIELD STUDIES OF MERCURY CONTROL USING INJECTED SORBENTS</b>	<b>43568</b>
	■ <b>MerCAP: A Novel Approach for Vapor Phase Mercury Capture</b>	<b>43569</b>
<b>Smith, David</b> <i>University of South Florida</i>	■ <b>The Influence of Air Mass Origin on Wet Deposition of Nitrogen to Tampa Bay, FL</b>	<b>43024</b>
<b>Smith, James</b> <i>U.S. EPA</i>	■ <b>The Use of a Feebate System To Reduce Emissions from Power Plants</b>	<b>43364</b>
<b>Smith, William A.</b> <i>Idaho National Eng. and Environmental Lab</i>	■ <b>Remediation of Environmental Hexavalent Chromium Contamination Using Chromate Reducing Bacterial Consortia</b>	<b>41646</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>So, King-Lung</b> <i>Environmental Protection Dept</i>	■ <b>Surface Ozone Monitoring in Hong Kong</b>	<b>41906</b>
<b>Soffel, Robert W.</b> <i>Selective Adsorption Associates, Inc.</i>	■ <b>Achieving Low Mercury Concentrations In Chlor-Alkali Wastewaters</b>	<b>42621</b>
<b>Solt, Chuck</b> <i>Lindh &amp; Associates</i>	■ <b>Determining VOC Emissions for Gas Turbines which Use the Latest Emission Control Technologies</b>	<b>43191</b>
	■ <b>Parametric Monitoring for Catalytic Combustion Gas Turbines</b>	<b>43067</b>
<b>SONG, JiHyeon</b> <i>University of Texas at Austin</i>	■ <b>Performance of a Compost-Based Hybrid Bioreactor for the Treatment of Paint Spray Booth Emissions</b>	<b>43055</b>
<b>Sosa, Rodolfo</b> <i>Universidad Nacional Autónoma de México.</i>	■ <b>Concentrations of Benzene and its Importance in the Atmosphere of the Mexico City Metropolitan Zone</b>	<b>42743</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Spencer, Mary</b> <i>Environmental Management Directorate</i>	■ <b>Pollution Prevention in Weapon System Test and Evaluation</b>	<b>43433</b>
<b>Srivastava, Ravi K.</b> <i>U.S. EPA</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Stallings, John H.</b> <i>US Air Force</i>	■ <b>Department of Defense Integrates P2 into Weapons Systems Development: Toward a Green Life Cycle</b>	<b>41784</b>
<b>Starns, Travis</b> <i>ADA-ES, LLC</i>	■ <b>Full-Scale Test of Mercury Control with Sorbent Injection and an ESP at Wisconsin Electric's Pleasant Prairie Power Plant</b>	<b>43249</b>
<b>Stein, David A.</b> <i>URS Corporation</i>	■ <b>California Experience with Air Toxics Health Risk Assessments for Proposed New Power Plants</b>	<b>43094</b>
<b>Stewart, Marcus</b> <i>Harding ESE</i>	■ <b>An Overview of the Clean Air Status and Trends Network Quality Assurance Program from 1990 through 2000</b>	<b>43033</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Stockwell, William R</b> <i>Desert Research Institute</i>	■ <b>The Central California Ozone Study: Analysis of Actinic Flux Measurements</b>	<b>41757</b>
<b>Stone, Kenneth</b> <i>U.S. EPA</i>	■ <b>Utilizing Materials Flow Analysis to Prioritize Pollution Prevention Resources</b>	<b>42934</b>
<b>Stone, II, Herman P</b> <i>Fossil Consulting Services. Inc.</i>	■ <b>Reducing Power Plant Emissions through Efficiency Awareness Training</b>	<b>43113</b>
<b>Stonefield, David</b> <i>U.S. EPA</i>	■ <b>New U.S. Environmental Protection Agency and Federal Aviation Administration General Conformity Guidance for Airports</b>	<b>43387</b>
<b>Stopenhagen, Kirk</b> <i>CH2M HILL Inc.</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>Storey, John</b> <i>Oak Ridge National Laboratory</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Storey, John M</b> <i>Oak Ridge National Lab.</i>	■ Responses of Human Lung Cells to Synthetic and Engine Emitted PM	42496
<b>Strawderman, William</b> <i>Rutgers University</i>	■ Application of Geostatistical Analysis and GIS Tools for Characterizing Contamination at the USDOE Savannah River Site	43542
<b>Streeter, Donald E.</b> <i>ASC/AAAV, Air Vehicle Team, Aging Aircraft Planning Division, Aeronautical Enterprise Program Office</i>	■ Hydraulic Fluid Purification: USAF-AFMC/CEVQ Pollution Prevention Project, USAF-Wide Incorporation of Hydraulic Fluid On-Site Purification, Depot and MAJCOM Operating Locations (Demonstration for USAF-wide program)	43160
<b>Striebig, Bradley A.</b> <i>Pennsylvania State University</i>	■ Control of Propylene Glycol Propyl Ether Vapor Emissions Using Biofiltration	43044
<b>Sturman, Kreg</b> <i>Sierrapine, LTD.</i>	■ Biofiltration of Particleboard Press Vent Emissions	42908



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Suidan, Makram</b> <i>University of Cincinnati</i>	■ <b>An Innovative Biofilter For Treating Vocs In Air Emissions</b>	<b>43187</b>
<b>Suidan, Makram T.</b> <i>University of Cincinnati</i>	■ <b>Removal Of Diethyl Ether In A Rotating Drum Biofilter At High Organic Loading Rates</b>	<b>42988</b>
<b>Sullivan, Patrick</b> <i>Air Force Research Laboratory</i>	■ <b>Development of Optical Remote Sensing Protocol for the Measurement of Nonpoint Emission Sources</b>	<b>45483</b>
	■ <b>Evaluation of Bench- and Pilot-Scale Adsorption Systems to Capture and Recover Organic Vapors via Electrothermal Desorption</b>	<b>43046</b>
<b>Sumner, James W.</b> <i>Manager Environmental Programs, GE Aircraft Engines</i>	■ <b>Managing Title V - Application to Issuance: One Company's Approach for Multiple Sites</b>	<b>42677</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Sun, Qing</b> <i>EOHSI, R.W.            Johnson Medical            School and            Rutgers</i>	<ul style="list-style-type: none"> <li>■ <b>Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework</b></li> <li>■ <b>Evaluation of grid-based ozone and PM modeling for a 1999 summer episode</b></li> </ul>	<p>43224</p> <p>43182</p>
<b>Sundrup, Jason</b> <i>University of            Cincinnati</i>	<ul style="list-style-type: none"> <li>■ <b>Circulating Aeration System For Controlling Voc Emissions From Aeration Basins In Potws</b></li> </ul>	<p>42529</p>
<b>Swain, Edward B.</b> <i>Minnesota            Pollution Control            Agency</i>	<ul style="list-style-type: none"> <li>■ <b>Modeling the Fate of Mercury in Products</b></li> </ul>	<p>43209</p>
<b>Swift, Charles S.</b> <i>Bio Reaction            Industries</i>	<ul style="list-style-type: none"> <li>■ <b>Results Of Full-Scale Installation And Comparison Of Bioreactor Operations</b></li> </ul>	<p>43375</p>
<b>Swift, Julie L.</b> <i>Eastern Research            Group</i>	<ul style="list-style-type: none"> <li>■ <b>National Urban Air Toxics Monitoring Program 1987 through 2001</b></li> </ul>	<p>54943</p>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Sylvester, Robert W.</b> <i>DuPont Engineering Technology</i>	■ <b>Design and Operation of Safe Vent Collection Systems</b>	<b>42427</b>
<b>Sánchez, Pablo</b> <i>Universidad Nacional Autónoma de México.</i>	■ <b>Concentrations of Benzene and its Importance in the Atmosphere of the Mexico City Metropolitan Zone</b>	<b>42743</b>

**T**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Takacs, John</b> <i>HighPoint Software Services, Inc.</i>	■ <b>IBM's ECOL - Environmental Management System</b>	<b>42524</b>
<b>Takacs, John F</b> <i>HighPoint Software Services, Inc.</i>	■ <b>Pfizer's Air Quality Management System</b>	<b>43000</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Takacs, Karen C <i>HighPoint Software Services, Inc.</i>	■ Pfizer's Air Quality Management System	43000
Takahama, Satoshi <i>Carnegie Mellon University</i>	■ Diurnal Trends in PM2.5 Composition: A 2001 Summer Study from two Sampling Sites in Pittsburgh	42646
Tamara, William <i>Instituto Colombiano Del Petroleo</i>	■ High Concentration Btex Removal In Compost Biofilters	42950
Tang, Anna <i>University of Tennessee</i>	■ Heavy-Duty Vehicle Characteristics in Tennessee - For Use in MOBILE6	42613
	■ The Effect of Personal Income on Vehicle Age and Vehicle Emissions	42612
Tang, Jufang <i>Hunan University</i>	■ Full-Scale Investigation on Desulfurization During Combustion In Coal-Fired Boilers	43007
Tang, Li-Wen <i>Da-Yeh University</i>	■ Recycling Of Scrap Integrated Circuits	42406



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Taraba, Joseph L</b> <i>BAE at UK Univ. KY</i>	■ <b>Modeling Ammonia Removal and Biotransformation Within Laboratory-Scale Yard-Waste Compost Biofilters</b>	<b>42915</b>
<b>Tartaglia, Roberto</b> <i>Laboratorio Nazionale del Gran Sasso</i>	■ <b>VOC Control In An Underground Experimental Facility: Technical And Safety Issues</b>	<b>42865</b>
<b>Tavoulares, E. Stratos</b> <i>Energy Technologies Enterprises Corp</i>	■ <b>Controlling Multiple Emissions from Coal-fired Power Plants</b>	<b>45376</b>
<b>Thimmapuram, Prakash</b> <i>Argonne National Laboratory</i>	■ <b>Electric Generator Technology and Economics under a Carbon Restriction</b>	<b>43116</b>
<b>Thomas, Gregg</b> <i>Denver Dept. of Public Health and Environment</i>	■ <b>The Denver Urban Air Toxics Assessment - Methodology, Results, and Risks</b>	<b>42880</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Thomas, Sandys</b> <i>University of Toledo</i>	■ <b>Pollution Prevention Tools for Small and Medium Sized Industries</b>	<b>42838</b>
<b>Thompson, Edgar</b> <i>U.S. EPA</i>	■ <b>Radial Computed Tomography Of Air Contaminantas Using Optical Remote Sensing</b>	<b>45415</b>
<b>Thompson, Gregory J.</b> <i>West Virginia University</i>	■ <b>Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters</b>	<b>42565</b>
<b>Thongsanit, Pajaree</b> <i>Chulalongkorn University</i>	■ <b>Particulate Matter and Associated Polycyclic Aromatic Hydrocarbons in Bangkok</b>	<b>45411</b>
<b>Tietjen, David</b> <i>TRW</i>	■ <b>The Net Present Value Approach to EH&amp;S investment</b>	<b>42749</b>
<b>Tikvart, Joseph</b> <i>U. S. EPA</i>	■ <b>Evaluation and Sensitivity Studies of USEPA's Models-3 /CMAQ Annual Model Simulations over the Continental United States</b>	<b>42482</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Timin, Brian</b> <i>U. S. EPA</i>	■ <b>Evaluation and Sensitivity Studies of USEPA's Models-3 /CMAQ Annual Model Simulations over the Continental United States</b>	<b>42482</b>
<b>To, Ming</b> <i>University of Calgary</i>	■ <b>Inverse Tracking: An Approximate Method to Analyse Regional Airshed Data</b>	<b>43446</b>
<b>Tombach, Ivar</b>	■ <b>Implications of Aerosol Measurement Uncertainty on Tracking of Progress in Mitigating Regional Haze</b>	<b>42617</b>
<b>Tong, Quansong</b> <i>North Carolina State University</i>	■ <b>Trace Gases in the Great Smoky Mountains National Park: Measurements, Analysis, and Sources Identification</b>	<b>43260</b>
<b>Tonini, David R.</b> <i>Earth Tech, Inc.</i>	■ <b>Achieving Low Mercury Concentrations In Chlor-Alkali Wastewaters</b>	<b>42621</b>
<b>Torres, Edward</b> <i>Orange County Sanitation District</i>	■ <b>Biotrickling Filters for Odor Treatment at POTWs: Full-scale experience with Converted Scrubbers</b>	<b>43558</b>
<b>Torres, Gabriel</b> <i>UFES</i>	■ <b>Emissions From A Sinterizing Plant Using Statistical Models</b>	<b>42498</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Tracy, J. Mark <i>Sierrapine, LTD.</i>	■ Biofiltration of Particleboard Press Vent Emissions	42908
Trahan, Charlotte <i>Contractor (Earth Tech)</i>	■ Integrating Safety and Health in Pollution Prevention	43144
Traister, Matthew <i>ENSR</i>	■ Emission Factor Development at an Iron Foundry	42720
	■ Odor Control Efforts at a Soybean Processing Facility	41881
Trenholm, Drew <i>Midwest Research Institute</i>	■ Relative Measures of Unpaved Road Dust Suppressants	55551
Tripp, Bruce <i>IBM</i>	■ IBM's ECOL - Environmental Management System	42524
Tsai, Chi-Ming <i>ITRI/CESH</i>	■ The Application of Dehumidification Process in Sludge Drying	42706
Tsai, Jiun-Horng <i>National Chen-Kung University</i>	■ A Multi-Level Nested Photochemical Model To Evaluate The Allowable Capacity Of Nox And NMHC In Southern Taiwan	42322



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Tsai, Shang-Lin</b> <i>Industrial Technology Research Institute</i>	■ <b>Recycling Of Scrap Integrated Circuits</b>	<b>42406</b>
<b>Tsen, Leslie</b> <i>Environmental Technology Institute</i>	■ <b>Adsorption of Mercury in Combustion Flue Gas by Activated Carbon</b>	<b>42404</b>

**U**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ubinger, Jr., John W.</b> <i>Jones, Day, Reavis &amp; Pogue</i>	■ <b>Public Participation: From Solicitation Of Public Comment Toward Solicitation Of Public Involvement</b>	<b>42604</b>
<b>Unal, Alper</b> <i>North Carolina State University</i>	■ <b>Hot Spot Analysis Of Real World Vehicle Emissions Based Upon A Portable On-Board Measurement System</b>	<b>42159</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
Urbanowicz, Gary <i>Doucet &amp; Mainka, PC</i>	■ <b>Healthcare Waste Management: The New Focus</b>	45361

**V**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
Valsaraj, Kalliat T. <i>Louisiana State University, Chemical Engineering</i>	■ <b>Adsorption Of Aromatic Hydrocarbon Vapors At The Gas-Solid And Gas-Water Interface</b>	42317
Van Brunt, Michael <i>First Environment, Inc.</i>	■ <b>Design for Environment and the ISO Standards</b>	42593
Van de Water, Jim <i>Independent Consultant</i>	■ <b>Predicting Potential Exposure for the Occupants in Future Buildings Using Direct Measurement and Predictive Modeling Techniques</b>	43141



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>van der Maas, Peter</b> <i>Wageningen University, NL</i>	■ <b>BioDeNOx: Fe-EDTA as electron mediator between denitrification and iron reduction</b>	<b>55555</b>
<b>VanCuren, Tony</b> <i>California Air Resources Board</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>VanPelt, Vincent J.</b> <i>Tennessee Valley Authority</i>	■ <b>Real-Time Mercury Analyzer Utilizing Gas-Phase mercury Reduction to Measure Total Mercury in the Flue Gas of a Coal-Fired Boiler</b>	<b>42672</b>
<b>Vaughn, David L.</b> <i>University of California at Riverside</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Vaughn, Miriam</b> <i>Advanced Micro Devices, EHS</i>	■ <b>The Formalization And ISO 14001/OHSAS 18000 Certification Of An Integrated Environmental, Health And Safety (EHS) Management System At A Semiconductor-Manufacturing Site</b>	<b>43154</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Venegas, Laura</b> <i>Universidad de Buenos Aires</i>	■ <b>An Evaluation of the Errors Associated With Loss of Puffs at the Boundary of the CALPUFF Modeling Domain</b>	<b>42432</b>
<b>Venezia, Christopher</b> <i>ENSR International</i>	■ <b>Integrating Global Positioning Systems, Geographic Information Systems, and Data Management into Environmental Site Investigation Strategies</b>	<b>42574</b>
<b>Vicente, Joao</b> <i>University of Sao Paulo</i>	■ <b>Overview of the last 30 years of Air Pollution Control Programs and Health Effects Studies in the Metropolitan Region of Sao Paulo - Brazil</b>	<b>43102</b>
<b>Vidic, John</b> <i>Environmental Management Directorate</i>	■ <b>Pollution Prevention in Weapon System Test and Evaluation</b>	<b>43433</b>
<b>Villasenor, Rafael</b> <i>Instituto Mexicano del Petroleo</i>	■ <b>Modeling of Regional Transport and Dispersion of PM10 in Central Mexico</b>	<b>43344</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Vyas, Vikram</b> <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	■ <b>Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework</b>	<b>43224</b>
<b>Vyas, Vikram M</b> <i>Environmental and Occupational Health Sciences Institute</i>	■ <b>Application of Geostatistical Analysis and GIS Tools for Characterizing Contamination at the USDOE Savannah River Site</b>	<b>43542</b>

**W**

<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Wachter, Eric A.</b> <i>Galt Technologies, LLC</i>	■ <b>Development of Remote Sensing Instrumentation for NOx and PM Emissions from Heavy Duty Trucks</b>	<b>42520</b>
<b>Wagoner, Keith</b> <i>Arcadis Gerighty &amp; Miller</i>	■ <b>Open-Path FTIR Measurement of NOx and other Diesel Emissions</b>	<b>43388</b>
	■ <b>Radial Computed Tomography Of Air Contaminantas Using Optical Remote Sensing</b>	<b>45415</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Walter, William</b> <i>Laser Consultants, Inc.</i>	■ <b>Active Open-Path Ftir Applications For Sensitive Detection Of Chemical Agents</b>	<b>42989</b>
<b>Walters, Robert</b> <i>InteGreyted Consultants, LLC</i>	■ <b>Using Technology to Deliver Corporate Audits</b>	<b>43201</b>
<b>Walton, William E.</b> <i>University of California</i>	■ <b>An Environmental Friendly Method for Controlling Biomass in Biotrickling Filters for Air Pollution Control</b>	<b>43554</b>
<b>WANDER, Joe</b> <i>United States Air Force</i>	■ <b>Microwave Treatment of Hypergolic Fuel and Oxidizer Vapors</b>	<b>45779</b>
<b>Wander, Joseph D.</b> <i>AFRL/MLQE</i>	■ <b>Low-Temperature Catalytic Oxidation of Airborne Organic Materials</b>	<b>42727</b>
<b>Wang, Davin</b> <i>National Central University, Chung-Li, Taoyuan, Taiwan, ROC</i>	■ <b>Thermal Performance of Lightweight Concrete Made of Sewage Sludge Ash</b>	<b>43035</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Wang, H.Y.</b> <i>National Kaohsiung University of Applied Sciences</i>	■ <b>The Evaluation of Color Changes in Sludge Brick By Using Image Analysis Method</b>	<b>42545</b>
<b>Wang, Kuen-Sheng</b> <i>National Central University, Chung- Li, Taoyuan, Taiwan, ROC</i>	■ <b>Thermal Performance of Lightweight Concrete Made of Sewage Sludge Ash</b>	<b>43035</b>
<b>Wang, Sheng-Wei</b> <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	■ <b>Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework</b>	<b>43224</b>
<b>Wang, Ting-I</b> <i>Optical Scientific Inc.</i>	■ <b>Optical Flow Sensing for Environmental Applications</b>	<b>45775</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Ward, David B.</b> <i>Jacobs Engineering Group Inc.</i>	<b>■ Groundwater Treatment System Impacts on Freshwater Ecosystems: A Massachusetts Military Reservation Case Study</b>	<b>43097</b>
	<b>■ Optimization of Monitoring Well Networks Using Spatial Winning and Temporal Thinning Applied to a Contaminant Plume at the Massachusetts Military Reservation</b>	<b>43119</b>
<b>Ward, Scott</b> <i>Oklahoma State Univ., Civil and Environmental Engineering</i>	<b>■ Groundwater Modeling Results - A Case Study</b>	<b>41853</b>
<b>Watson, Joel J.</b> <i>Principal, Watson &amp; Barron, Ltd.</i>	<b>■ Managing Title V - Application to Issuance: One Company's Approach for Multiple Sites</b>	<b>42677</b>
<b>Weakley, Matt</b> <i>URS Corporation</i>	<b>■ Meeting Munitions Management Challenges at DoD Ranges</b>	<b>43492</b>
<b>Weaver, Donna</b> <i>CONNDOT, Planning</i>	<b>■ Implementation Of Retrofit/Clean Fuel Program For Diesel Equipment During The Construction Phase Of Two Large Transportation Projects</b>	<b>42536</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Webb, Chad</b> <i>URS Corporation</i>	■ Meeting Munitions Management Challenges at DoD Ranges	43492
<b>Webster, David</b> <i>Masada OxyNol LLC,</i>	■ Title V Permitting Strategies for a Waste to Ethanol Production Facility	43132
<b>Weelink, Sander</b> <i>Wageningen University, NL</i>	■ BioDeNOx: Fe-EDTA as electron mediator between denitrification and iron reduction	55555
<b>Weidhaas, Jennifer</b> <i>University of California, Davis</i>	■ Biodegradation of Trinitrophenol-Contaminated soil	42982
<b>Wenclawiak, Mark</b> <i>O'Brien &amp; Gere Engineers, Inc.</i>	■ Implementation of Upcoming Plastic Parts and Products Surface Coating MACT Standard	42553
<b>Werner, Art</b> <i>The Cadmus Group, Inc</i>	■ Spin Off of Selected CEMS-Related QA Activities	42583



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Werner, Arthur S.</b> <i>The Cadmus Group, Inc.</i>	■ <b>Methods 2F and 2G Audits of Wind Tunnels Used to Calibrate Velocity Probes</b>	<b>43060</b>
<b>Whaley, David Anthony</b> <i>West Virginia University</i>	■ <b>Recycling Retired Ships, Website and Decision Logic Flow Charts as Tools to Aid U.S. Domestic Recycling Industry</b>	<b>42512</b>
<b>White, Bruce</b> <i>University of California at Davis</i>	■ <b>Precision and Accuracy of the MetOne Model GT-641 PM10 Monitor</b>	<b>43562</b>
<b>White, James H.</b> <i>Eltron Research Inc.</i>	■ <b>Low-Temperature Catalytic Oxidation of Airborne Organic Materials</b>	<b>42727</b>
<b>Williams, Jeffrey</b> <i>Dept. of Defense</i>	■ <b>Reduction of Global Warming Gas Emissions through Chemical Substitution and Alternative Chemistries in the Semiconductor Industry</b>	<b>41814</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Williamson, Derek</b> <i>University of Alabama Tuscaloos, Civil and Environmental Engineering</i>	■ <b>New Methods on Probabilistic Dispersion Modeling</b>	<b>42897</b>
<b>Willis, Dan</b> <i>Blue Circle Cement</i>	■ <b>Internal Trading of Greenhouse Gas Emissions</b>	<b>43073</b>
<b>Willis, Errick</b> <i>ICF Consulting</i>	■ <b>Internal Trading of Greenhouse Gas Emissions</b>	<b>43073</b>
<b>Wilson, Darcy</b> <i>Eastern Research Group</i>	■ <b>QC/QA - An Integral Step in the Development of the 1999 National Emissions Inventory for HAPs</b>	<b>42283</b>
<b>Wilson, Deborah Dutcher</b> <i>URS Corporation</i>	■ <b>Air Quality Around Our Nation's Airports During the Aftermath of the September 11, 2001 Attack on America</b>	<b>42735</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Wilson, Gary</b> <i>ENVIRON International Corporation</i>	<b>■ Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
	<b>■ Recent Advances in Photochemical Air Quality Modeling Using the CAMx Model: Current Update and Ozone Modeling of Point Source Impacts</b>	<b>43180</b>
<b>Wilson, William E.</b> <i>USEPA</i>	<b>■ Comparison Of Pm1.0 And Pm2.5 Particulate Matter Measured With Teom And Pc-Boss On The Wasatch Front (Utah) July To September 2001</b>	<b>42678</b>
	<b>■ Comparison Of Speciation Sampler And PC-Boss Results Obtained On The Wasatch Front During The Winter Of 2001-2002</b>	<b>42675</b>
	<b>■ Sources Of Total Fine Particulate Material Along The Wasatch Front: 1999 - 2001</b>	<b>42657</b>
<b>Wimer, Daniel</b> <i>Rochester institute of Technology</i>	<b>■ A Global Sensitivity Analysis of Photochemical Models Used for Predicting Tropospheric Ozone: Application to New York State</b>	<b>41918</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Winchester, Julie I.</b> <i>Colorado State University</i>	■ <b>The IMPROVE and WRAP Web Sites: Supporting Better Understanding and Control of Regional Haze</b>	<b>88881</b>
<b>Wintergreen, James</b> <i>First Environment, Inc.</i>	■ <b>The Business Case for Greenhouse Gas Management</b>	<b>42589</b>
<b>Wiseman, CherylAnn</b> <i>ENSR</i>	■ <b>Emission Factor Development at an Iron Foundry</b>	<b>42720</b>
<b>Witherspoon, Jay</b> <i>CH2M HILL</i>	■ <b>Flux Chambers and Wind Tunnels: What is Currently Known about their Performance and Applicability</b>	<b>42654</b>
<b>Witherspoon, Leslie</b> <i>Solar Turbines, Inc.</i>	■ <b>Gas Turbines in Distributed Generation: Applications and Regulatory Issues</b>	<b>42787</b>
<b>Wojnowski, Gary</b> <i>E.I. duPont de Nemours</i>	■ <b>Calibration of Emission Model by Flux Chamber Measurement for Emissions from Industrial Facultative Ponds</b>	<b>43423</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Wolff, George</b> <i>General Motors Corporation</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Won, Yang-Soo</b> <i>Yeungnam University</i>	■ <b>An Environmental Friendly Method for Controlling Biomass in Biotrickling Filters for Air Pollution Control</b>	<b>43554</b>
<b>Wong, Yeh Ping</b> <i>Environmental Technology Institute</i>	■ <b>Adsorption of Mercury in Combustion Flue Gas by Activated Carbon</b>	<b>42404</b>
<b>Wood, Gilbert H</b> <i>U.S. Environmental Protection Agency</i>	■ <b>Tools Available for Implementing and Complying with Air Toxic (e.g.,MACT) Standards</b>	<b>42584</b>
<b>Worthington, Bill</b> <i>ABB Inc</i>	■ <b>Unique Ultra Violet Resonance Absorption NOx Analyzer for Gas Turbine Applications</b>	<b>42447</b>
<b>Wright, Gary</b> <i>AFRL/MLQL</i>	■ <b>Microwave Treatment of Hypergolic Fuel and Oxidizer Vapors</b>	<b>45779</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Wright, Walter</b> <i>Mitchell Williams</i>	■ <b>The Federal and State Superfund Exemptions for the Sale of Recyclables: An Overview</b>	<b>42684</b>
<b>Wu, Chao-Hsiung</b> <i>Da-Yeh University</i>	■ <b>Glycolysis of Waste Flexible Polyurethane Foam</b>	<b>41770</b>
<b>Wu, Chih-Cheng</b> <i>National Taiwan University</i>	■ <b>Control of Vaporous Naphthalene by Absorption with Non-ionic and Anionic Surfactants</b>	<b>43004</b>
<b>Wu, Chun Yi</b> <i>Minnesota Pollution Control Agency</i>	■ <b>UNMIX Modeling Assessment of Gaseous Organic Compounds</b>	<b>42081</b>
<b>Wu, Hsin-Hsien</b> <i>Industrial Technology Research Institute</i>	■ <b>A New Approach of Odour Control by Using NaOCl and Electrolysis: The Practical Case of Wastewater Treatment Plant of Tannery Industry</b>	<b>45394</b>



## X

## AUTHOR

## PAPER TITLE

PAPER  
NUMBER

**Xiang, Kexiang**  
*Georgia Institute  
of Technology*

■ **VIN Decoder Software Limitations for Fleet  
Characterization in Emissions Modeling**

42651

**Xie, Gengxin**  
*Hunan University*

■ **Full-Scale Investigation on Desulfurization During  
Combustion In Coal-Fired Boilers**

43007

**Xu, Jinhui**  
*Hong Kong  
University of  
Science &  
Technology*

■ **Charring Characteristics Of Atmospheric Organic  
Particulate Matter In Thermal Analysis**

43206

## Y

## AUTHOR

## PAPER TITLE

PAPER  
NUMBER

**Yacone, Frank**  
*Louisiana State  
University,  
Chemical  
Engineering*

■ **Adsorption Of Aromatic Hydrocarbon Vapors At The Gas-  
Solid And Gas-Water Interface**

42317



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Yamada, Ted</b> <i>Yamada Science &amp; Art Corporation</i>	■ <b>Modification of a Mesoscale Atmospheric Model for Simulation of Airflow Around Buildings</b>	<b>42916</b>
<b>Yamazaki, Satoshi</b> <i>Toyota Central R&amp;D Labs., Inc.</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
<b>Yan, Rong</b> <i>Environmental Technology Institute</i>	■ <b>Adsorption of Mercury in Combustion Flue Gas by Activated Carbon</b>	<b>42404</b>
<b>Yanase, Hideshi</b> <i>Laboratory of Biocatalyst Technology Tottori University</i>	■ <b>Removal of Acrylonitrile and Styrene by a Packed Tower Biofilter</b>	<b>42851</b>
<b>Yang, Chunping</b> <i>University of Cincinnati</i>	■ <b>An Innovative Biofilter For Treating Vocs In Air Emissions</b>	<b>43187</b>
	■ <b>Full-Scale Investigation on Desulfurization During Combustion In Coal-Fired Boilers</b>	<b>43007</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Yang, Hong</b> <i>Hong Kong University of Science &amp; Technology</i>	<b>■ Removal Of Diethyl Ether In A Rotating Drum Biofilter At High Organic Loading Rates</b>	42988
	<b>■ Charring Characteristics Of Atmospheric Organic Particulate Matter In Thermal Analysis</b>	43206
<b>Yang, Shin-Hao</b> <i>National Taiwan University</i>	<b>■ Carbon Distribution of Waste Incinerated in Municipal Solid Waste Incinerator</b>	42866
	<b>■ Removal of CO2 form flue gas of municipal solid waste incinerators</b>	42863
<b>Yang, Yu-Ching</b> <i>EOHSI, R.W. Johnson Medical School and Rutgers</i>	<b>■ Characterizing Population Exposures and Co-Exposures to Ozone and PM2.5 for the City of Philadelphia Using a Source-to-Dose Framework</b>	43224
<b>Yansura, Mary Elizabeth</b> <i>CH2M HILL</i>	<b>■ Evaluation of the Calpuff Long-range Transport Screening Technique by Comparison to Refined Calpuff Results for Several Power Plants in Both the Eastern and Western United States</b>	43454



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Yap, David</b> <i>Ontario Ministry of the Environment</i>	■ <b>A Comparative Study of Toronto's Air Quality from an International, National and Regional Perspective</b>	<b>42928</b>
<b>Yarwood, Greg</b> <i>ENVIRON International Corporation</i>	■ <b>Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and other Advanced Vehicle Technologies (ATV) in the South Coast Air Basin of California</b>	<b>43189</b>
	■ <b>Recent Advances in Photochemical Air Quality Modeling Using the CAMx Model: Current Update and Ozone Modeling of Point Source Impacts</b>	<b>43180</b>
<b>Yee, David</b> <i>Catalytica Energy Syst. Inc.</i>	■ <b>Determining VOC Emissions for Gas Turbines which Use the Latest Emission Control Technologies</b>	<b>43191</b>
<b>Yegnan, Anand</b> <i>University of Alabama Tuscaloos, Civil and Environmental Engineering</i>	■ <b>New Methods on Probabilistic Dispersion Modeling</b>	<b>42897</b>



AUTHOR	PAPER TITLE	PAPER NUMBER
Yeo, Hwan Goo <i>Hanseu University</i>	■ Transport Of Pm And Fungal Aerosols In The Asian Dust Events	42074
Yi, Seung Muk <i>Ewha Womans University</i>	■ Ambient concentration of particulate Polycyclic Aromatic Hydrocarbons(PAHs) and their dry deposition in Korea	42849
YIEH, Dennis <i>Sterling Chemicals</i>	■ Real-Time Compliance Determinations and Environmental Compliance Forecasting using Existing Data Historians	42756
Yoon, Hui-Young	■ A Real-Time Dispersion Modeling System Using the Stack Tele-Metering System	42548
York, Michelle <i>TRW</i>	■ Air Program Management Systems	42745
	■ Air Program Mgmt Systems	42748
Young, Teresa M. <i>Pennsylvania State University</i>	■ Control of Propylene Glycol Propyl Ether Vapor Emissions Using Biofiltration	43044
Yousuf, Adeel <i>Enviroplan Consulting</i>	■ Comparison of the Most Recent BACT/LAER Determinations for Combustion Turbines by State Air Pollution Agencies	42752



AUTHOR	PAPER TITLE	PAPER NUMBER
Yu, Fendong <i>LSGC- CNRSENSIC</i>	■ Adsorption Process With Regeneration By Joule Effect On A Activated Carbon Monolith For VOCs Abatement	45484
Yu, Jianzhen <i>Hong Kong University of Science &amp; Technology</i>	■ Charring Characteristics Of Atmospheric Organic Particulate Matter In Thermal Analysis	43206
	■ Collection And Analysis Of Airborne Carbonyls By On-Sorbent Derivatization and Thermal Desorption	43022
Yu, Kuo-Ping <i>National Taiwan University</i>	■ Control of Vaporous Naphthalene by Absorption with Non-ionic and Anionic Surfactants	43004
Yuan, Chung-Shin <i>National Sun Yat-Sen University</i>	■ A Pilot Study on the Adsorption of Mercury Chloride by Waste-Tire Derived Powdered Activated Carbon	45358
	■ The Influence of Operation Condition and Meteorological Factors on the Characteristics of Volatile Organic Compounds in the Surrounding Area of an Oil Storage and Pumping Station	45359
Yue, Kevin <i>University of Maryland</i>	■ Evaluation of Methods for Preprocessing of Emissions from On-Road Mobile Sources	43134



## Z

AUTHOR	PAPER TITLE	PAPER NUMBER
<b>Zada, Mousa</b> <i>Altech Environment USA</i>	■ Application of an open path UV-DOAS to monitor nitrogen oxides in tunnels	45493
<b>Zamansky, Vladimir</b> <i>GE Energy &amp; Environmental Research Corp.</i>	■ Control of NOx and Mercury Emissions Using Coal Reburning	42910
<b>Zannetti, Paolo</b> <i>EnviroComp</i>	■ Effect of Exhaust Stack Geometry on the Amount of Liquid Condensate during plant start-up	45300
<b>Zarate, Eugene A.</b> <i>Tennessee Valley Authority</i>	■ Real-Time Mercury Analyzer Utilizing Gas-Phase mercury Reduction to Measure Total Mercury in the Flue Gas of a Coal-Fired Boiler	42672
<b>Zehnter, Dean A.</b> <i>Morse Associates</i>	■ Mold Growth Inside Air Conditioning Equipment	42436
<b>Zeng, Guangming</b> <i>Hunan University</i>	■ Full-Scale Investigation on Desulfurization During Combustion In Coal-Fired Boilers	43007



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Zhang, Jian</b> <i>University of Cincinnati</i>	■ <b>Solidification/Stabilization of Hg(II)-containing Solid Wastes by Cement after Stabilization by Sulfurized Reactivated Carbon</b>	<b>42166</b>
<b>Zhao, Kun</b> <i>University of Cincinnati</i>	■ <b>Circulating Aeration System For Controlling Voc Emissions From Aeration Basins In Potws</b>	<b>42529</b>
<b>Zheng, Junyu</b> <i>North Carolina State University</i>	■ <b>Development of a Software Module for Statistical Analysis of Variability and Uncertainty</b>	<b>42158</b>
<b>Zhu, Xiaona</b> <i>University of California</i>	■ <b>An Estimate of the Emissions of Toxic Air Contaminants for Medium-Duty Diesel-Powered Vehicles</b>	<b>42700</b>
<b>Zhu, Xueqing</b> <i>University of Cincinnati</i>	■ <b>An Innovative Biofilter For Treating Vocs In Air Emissions</b>	<b>43187</b>
	■ <b>Removal Of Diethyl Ether In A Rotating Drum Biofilter At High Organic Loading Rates</b>	<b>42988</b>



<b>AUTHOR</b>	<b>PAPER TITLE</b>	<b>PAPER NUMBER</b>
<b>Zielinska, Barbara</b> <i>Desert Research Institute</i>	■ <b>Chemical Characterization of Exhaust Emissions from Heavy Duty Diesel Vehicles Using Low Sulfur Fuel and Equipped with Particle Filters</b>	<b>42565</b>
	■ <b>Effects of Long-Term Storage on Samples Collected on Tenax-TA</b>	<b>42098</b>
<b>Zingale, Nicholas</b> <i>Affinity Consultants, Inc.</i>	■ <b>Negotiating Environmental Sustainability: Environmental Discourse in the United States and the Influence on Consumers and the Production of Space</b>	<b>41867</b>
<b>Zink, Tom</b> <i>San Diego State University</i>	■ <b>Corralling the Dust in the Antelope Valley</b>	<b>45472</b>
<b>Zupan, Joseph</b> <i>Zephyr Environmental Corp.</i>	■ <b>Evaluating Community Impacts Posed by Vehicle Emissions from an Automobile Auction Processing Facility</b>	<b>43443</b>

