IOURIAL



OF THE AIR & WASTE MANAGEMENT ASSOCIATION

Available online at www.awma.org

898	Adsorption of Chlorine Dioxide Gas on Activated Carbons Joseph P. Wood, Shawn P. Ryan, Emily Gibb Snyder, Shannon D. Serre, Abderrahmane Touati, and Matthew J. Clayton
907	A Feasibility Study of a Predictive Emissions Monitoring System Applied to Taipower's Nanpu and Hsinta Power Plants Tsung-Wen Chien, Hsin-Ta Hsueh, Hsin Chu, Wei-Chieh Hsu, Yueh-Yuan Tu, Hsien-Shiou Tsai, and Kuo-Yi Chen
914	Reactivity Scales as Comparative Tools for Chemical Mechanisms Richard G. Derwent, Michael E. Jenkin, Michael J. Pilling, William P.L. Carter, and Ajith Kaduwela
925	Carbon Dioxide Removal from Flue Gases by Absorption/Desorption in Aqueous Diethanolamine Solutions Hanna Kierzkowska-Pawlak and Andrzej Chacuk
932	Electron Beam Technology for Multipollutant Emissions Control from Heavy Fuel Oil-Fired Boiler Andrzej G. Chmielewski, Anna Ostapczuk, and Janusz Licki
939	Ammonia Emissions from a U.S. Broiler House—Comparison of Concurrent Measurements Using Three Different Technologies Kenneth D. Casey, Richard S. Gates, Richard C. Shores, Eben D. Thoma, and D. Bruce Harris
949	Multicriteria Aided Design of Integrated Heating-Cooling Energy Systems in Buildings Tomasz M. Mróz
959	Preliminary Acclimation Strategies for Successful Startup in Conventional Biofilters Ana Elías, Astrid Barona, Gorka Gallastegi, Naiara Rojo, Luis Gurtubay, and Gabriel Ibarra-Berastegi
968	An Analysis of Field-Aged Diesel Particulate Filter Performance: Particle Emissions before, during, and after Regeneration Teresa L. Barone, John M.E. Storey, and Norberto Domingo
977	Potential Ozone Impacts of Excess NO ₂ Emissions from Diesel Particulate Filters for On- and Off-Road

993 Mutagenicity of Airborne Particulates Assessed by *Salmonella* Assay and the SOS Chromotest in Wrocław, Poland

Amnon Bar-llan, Jeremiah R. Johnson, Allison DenBleyker, Lit-Mian Chan, Gregory Yarwood, David Hitchcock, and

Katarzyna Piekarska

Diesel Engines

- Novel Catalytic Process for Flue Gas Conditioning in Electrostatic Precipitators of Coal-Fired Power Plants

 Andrey Zagoruiko, Bair Balzhinimaev, Sergey Vanag, Vladimir Goncharov, Sergey Lopatin, Alexander Zykov,

 Sergey Anichkov, Yurii Zhukov, Vassily Yankilevich, Nikolay Proskokov, and Nick Hutson
- 1009 Technical Description of Parameters Influencing the pH Value of Suspension Absorbent Used in Flue Gas

 Desulfurization Systems

 Michal Głomba