

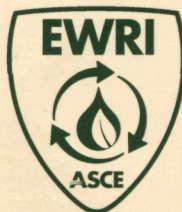
980/eea



# Journal of Environmental Engineering

## Technical Papers

- 149 Characterization of Bulk Fluid and Transport Properties for Simulating Polymer-Improved Aquifer Remediation  
*Jeff A. K. Silva, Matt Liberatore, and John E. McCray*
- 160 Effects of Hydraulic Detention Time, Water Depth, and Duration of Operation on Nitrogen and Phosphorus Removal in a Flow-Through Duckweed Bioremediation System  
*Kossay K. Alahmady, Kevin Stevens, and Sam Atkinson*
- 167 Evaluation of Apparent Permeability and Field Assessment of Aged Asphalt Capping Systems  
*Deyi Hou and Jian Luo*
- 176 Protocol to Include Ecosystem Service Constraints in a Wind Farm Cost Model  
*Annette R. Grilli, Tania Lado Insua, and Malcolm Spaulding*
- 187 Internal Water Storage Enhances Exfiltration and Thermal Load Reduction from Permeable Pavement in the North Carolina Mountains  
*Brad J. Wardynski, Ryan J. Winston, and William F. Hunt*
- 196 Air Flow Characteristics in Granular Biofilter Media  
*Rune R. Andreasen and Tjalfe G. Poulsen*
- 205 Predicting Permeation of Organic Contaminants into Polyethylenes  
*Jia Tang, Daniel L. Gallagher, and Andrea M. Dietrich*
- 213 Adsorptive Selenite Removal Using Iron-Coated GAC: Modeling Selenite Breakthrough with the Pore Surface Diffusion Model  
*Dong Yan, Daniel Dianchen Gang, Ning Zhang, and LianShin Lin*
- 220 Gas Absorption Enhancement Mechanism in Mechanically Agitated Multiphase System: Effect of Fine Solid Particles and Interfacial Turbulence  
*Shuo Zhang, Dong Wang, LiPing Yang, and ZhiHua Chen*
- 226 Nutrient Speciation and Distribution between Surface Water and Sediment in the Middle Reach of the Huai River, China  
*Peifang Wang, Chao Wang, Li Zhao, Douglas J. Schnoebelen, Jin Qian, and Jun Hou*



**ENVIRONMENTAL &  
WATER RESOURCES  
INSTITUTE**



- 235 Effective Inhibition of Bromate Formation with a Granular Molecular Sieve Catalyst Ce-MCM-48 during Ozonation: Pilot-Scale Study  
*Zhimin Qiang, Fenglin Cao, Wencui Ling, Tao Zhang, and Weiwei Li*
- 241 Strategic Analysis of Computer Waste Management Options: Game-Theoretic Approach  
*Rajendra Kumar Kaushal and Arvind K. Nema*
- 250 Bayesian Chemical Mass Balance Method for Surface Water Contaminant Source Apportionment  
*Arash Massoudieh and Masoud Kayhanian*
- 261 Engine and Duty Cycle Variability in Diesel Construction Equipment Emissions  
*Saeed Abolhasani and H. Christopher Frey*
- 269 Pollutant Distribution on Urban Surfaces: Case Study in Southern Brazil  
*Maria do Carmo Cauduro Gastaldini and Ana Roberta Victoria Silva*

### Case Studies

- 277 Characterization of Storm Water-Suspended Sediments and Phosphorus in an Urban Catchment in Florida  
*Mauricio E. Arias, Mark T. Brown, and John J. Sansalone*
- 289 Thermophilic Aerobic Treatment of Mycelia Sludge and Antibiotic Wastewater  
*C. Furlong, P. J. Sallis, and T. Wilby*
- 295 Quantification of Hydrocarbon Contaminants in Meltwater and Sediment in a City Snow Pile  
*Matthew Stewart, Alexander Holden, Melissa E. Haveroen, and Ania C. Ulrich*

### Technical Notes

- 302 Effects of Storage Conditions on Chromium (III) and Chromium (VI) in Two Types of Potable Water  
*Peter G. Green, Jeannie Darby, and Sarah Laybourne*
- 307 Bayesian and Frequentist Methods for Estimating Joint Uncertainty of Freundlich Adsorption Isotherm Fitting Parameters  
*Julian L. Fairey and David G. Wahman*

### Discussions and Closures

- 312 Discussion of "Enhancement of the Shear Strength of Wastewater Residuals Using Industrial Waste By-Products" by C. Kayser, T. Larkin, and N. Singhal  
*Brendan C. O'Kelly*
- 315 Closure by *C. Kayser, T. Larkin, and N. Singhal*

**ASCE**  
AMERICAN SOCIETY OF CIVIL ENGINEERS  
1801 Alexander Bell Drive  
RESTON, VA 20191-4400

