



Contents Volume 40

Vol. 40, No. 1

Comparisons among lead paint field screening test methods G. Hutter and D. Moshman (Niles, IL, USA)	1
Investigation of the use of adhesives and magnets for affixing tapping equipment to off-load distressed dangerous goods tank-cars M. Cunningham, A.M. Birk, P. Petherick and J.D. McGeachy (Kingsten, Ont., Canada)	15
Long-term behaviour of toxic metals in stabilized steel foundry dusts A. Andrés, I. Ortíz, J.R. Viguri and A. Irabien (Santander, Spain)	31
Natural events and accidents with hazardous materials K. Rasmussen (Ispra, Italy)	43
Solidification/stabilisation of hazardous arsenic containing waste from a copper refining process V. Dutré and C. Vandecasteele (Heverlee, Belgium)	55
Auto-ignition of CH ₄ /air, C ₃ H ₈ /air, CH ₄ /C ₃ H ₈ /air and CH ₄ /CO ₂ /air using a 1 l ignition bomb D. Kong, R.K. Eckhoff (Bergen, Norway) and F. Alfert (Hamm, Germany)	69
Further development of a model for dense gas dispersion over real terrain R.P. Cleaver, M.G. Cooper and A.R. Halford (Loughborough, Leicestershire, UK)	85
Book Reviews	109
Announcements	113

Vol. 40, No. 2

Special Issue: Soil Remediation: Application of Innovative and Standard Technologies

Guest Editorial	115
Electrokinetic remediation: Basics and technology status Y.B. Acar, R.J. Gale, A.N. Alshwabkeh, R.E. Marks, S. Puppala (Baton Rouge, LA, USA), M. Bricka (Vicksburg, MS, USA) and R. Parker (Cincinnati, OH, USA)	117

Use of lead reclamation in secondary lead smelters for the remediation of lead contaminated sites S.W. Paff and B.E. Bosilovich (Pittsburgh, PA, USA)	139
Evaluation of the BioGenesis SM soil washing technology A. Gatchett (Cincinnati, OH, USA) and P. Banerjee (Rolling Meadows, IL, USA)	165
Soil-washing technology and practice R.A. Griffiths (Edison, NJ, USA)	175
Remediation of low permeability subsurface formations by fracturing enhancement of soil vapor extraction U. Frank and N. Barkley (Cincinnati, OH, USA)	191
Application of thermal desorption technologies to hazardous waste sites P.R. de Percin (Cincinnati, OH, USA)	203
 <i>Vol. 40, No. 3</i>	
The release into the atmosphere of hazardous volatiles. Part I. Release from porous solids imbued with a liquid mixture in which the volatiles are dissolved F. Gioia, F. Murena, G. Savino and P. Saha (Napoli, Italy)	213
The release into the atmosphere of hazardous volatiles. Part II. Release from a slab of contaminated porous particles. The importance of free convection F. Gioia, F. Murena and G. Savino (Napoli, Italy)	237
Chelation extraction of lead from soil using pyridine-2,6-dicarboxylic acid E. Macaulay and A. Hong (Salt Lake City, UT, USA)	257
A nonsteady-state analytical model to predict gaseous emissions of volatile organic compounds from landfills J.S. Lin and L.M. Hildemann (Stanford, CA, USA)	271
Assessing emergency preparedness in support of hazardous facility risk analyses: Application to siting a US hazardous waste incinerator M.K. Lindell (East Lansing, MI, USA)	297
The effects of simulated environmental attack on immobilization of heavy metals doped in cement-based materials D. Bonen and S.L. Sarkar (Sherbrooke, Canada)	321
Author Index Volume 40	337
Contents Volume 40	339