Journal of Environmental Management

April 2009 Volume 90 Number 4

Contents

Part 1: Introduction
P. Brown, S. Benn, D. Dunphy and A. Martin

P. James

Part 3: Toxic Risk and Governance
I. Rae and P. Brown
S. Benn and R. Jones
N. Hillier (OAM), J. Gennissen, B. Pickering, R. Smolenski, with an introduction by Paul Brown

C. Jensen-Lee

Editorial
P. Brown and S. Benn

Toxic risk and governance: The case of hexachlorobenzene
1557

Toxic waste in our midst: Towards an interdisciplinary analysis
1559

Governance of environmental risk: New approaches to managing stakeholder involvement
1567

The supervision of environmental risk: The case of HCB waste or Botany/Randwick?
1576

Managing the intractable: Communicative structures for management of hexachlorobenzene and other scheduled wastes
1583

The role of symbolic capital in stakeholder disputes: Decision-making concerning intractable waste
1593

Our battle with hexachlorobenzene: Citizen perspectives on toxic waste in Botany
1605

When unequals are treated equally: The 2002 commission of inquiry into Orica’s geomelt proposal
1613

Continued on inside back cover

Available online at
www.sciencedirect.com
Journal of Environmental Management

A. GILL Editor-in-Chief
1620 Acton Street, Berkeley, CA 94702, USA.

Aims and Scope
The Journal of Environmental Management is a journal for the publication of peer reviewed, original research for all aspects of management and the managed use of the environment, both natural and man-made. Critical review articles are also welcome; submission of these is strongly encouraged.

As governments and the general public become more keenly aware of the critical issues arising from man’s use of his environment, this journal provides a forum for the discussion of environmental problems around the world and for the presentation of management results. It is aimed not only at the environmental manager, but at anyone concerned with the sustainable use of environmental resources.

Research Areas Include, but are not exclusive to:
- resource quality, quantity and sustainability
- economics of environmental management
- transport and fate of pollutants in the environment
- spill prevention and management
- remediation of contaminated sites
- process modification for pollution prevention
- improved energy efficiency
- waste treatment and disposal
- transport and fate of pollutants in the environment
- spill prevention and management
- remediation of contaminated sites
- process modification for pollution prevention
- improved energy efficiency
- waste treatment and disposal
- transport and fate of pollutants in the environment
- spill prevention and management
- remediation of contaminated sites
- process modification for pollution prevention
- improved energy efficiency
- waste treatment and disposal
- transport and fate of pollutants in the environment
- spill prevention and management
- remediation of contaminated sites
- process modification for pollution prevention
- improved energy efficiency
- waste treatment and disposal

Papers submitted should address environmental management issues using a range of techniques e.g. case studies, observational and theoretical analyses, the application of science, engineering and technology to questions of environmental concern or mathematical and computer modeling techniques with the aim of informing both the researcher and practitioner.

Note to contributors
Online submission is available for this journal, to submit your article online, go to http://ees.elsevier.com/jema. Instructions on how to submit a manuscript to the journal can be found in the Guide for Authors on the journal homepage at http://www.elsevier.com/locate/jenvman.

The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

C. ALLAN Department of Geography and Earth Sciences, University of North Carolina, Charlotte, NC 28227, USA. email: ciplan@email.uncc.edu

N. B. CHANG Department of Civil and Environmental Engineering, University of Central Florida, Orlando, FL 32819, email: nhchang@mail.ucf.edu

R. CULLEN Commerce Division, PO. Box 94, Lincoln University, Canterbury, New Zealand. email: culleen@lincoln.ac.nz

L. G. FIRBANK Land Use Section, Centre for Ecology and Hydrology, Lancaster Environment Centre, Bailrigg, Lancaster, LA1 4AP. email: lgf@ceh.ac.uk

A. GILBERT IVM/VU De Boelelaan 1115, 1081 HV Amsterdam. email: agilbert@vu.nl

G. HUANG CRC Professor and Associate Dean, Faculty of Engineering, University of Regina, Regina, SK S4S 0A2, Canada. email: gordon.huang@regina.ca

J. MARION USGS Patuxent Wildlife Research Center, Cooperative Studies Unit, Virginia Tech, Department of Fish and Wildlife Conservation, Chantilly Hall (03241), Blacksburg, VA 24061, USA. email: cpru@vt.edu

R. K. MORGAN Department of Geography, University of Otago, PO. Box 56, Dunedin, New Zealand. email:drm@hyperperth.otago.ac.nz

R. A. PRESTON School of Life and Environmental Sciences, University of Natal, Durban, South Africa

J. P. RICHARDS Institute of Marine Studies, Plymouth University, Drake Circus, Plymouth, Devon, PL4 8AA, UK. email: jprichards@plymouth.ac.uk

M. RUTH University of Maryland, School of Public Affairs, Van Munching Hall, College Park, MD 20742, USA. email: matthias.ruth@jhu.edu

H. SAARENMAA Global Diversity Information Facility, GRIF, Secretariat, Uraniborgvej 30, DK-2100 Copenhagen, Denmark. email: hsaarenmaa@grif.org

B. TANSEL Florida International University, Department of Civil and Environmental Engineering, 11255 West Flagler Street, Engineering Center Miami, FL 33174 USA. email: tanselb@fiu.edu

D. Grace Errant corporations, diffuse responsibilities, and the environment: Ethical issues in the Orica case study 1622
M. Lloyd-Smith Information, power and environmental justice in Botany: The role of community information systems 1628
L. Canen Deliberative public participation and heathcare/nonresource stockpiles 1634
S. Healy Toward an epistemology of public participation 1644
S. Bunn, P. Brown and A. North-Samardzic A commentary on decision-making and organisational legitimacy in the Risk Society 1655

Errant corporations, diffuse responsibilities, and the environment: Ethical issues in the Orica case study 1622
Information, power and environmental justice in Botany: The role of community information systems 1628
Deliberative public participation and heathcare/nonresource stockpiles 1634
Toward an epistemology of public participation 1644
A commentary on decision-making and organisational legitimacy in the Risk Society 1655