



# RTDF Permeable Reactive Barriers (PRB) Action Team Meeting

---

Capital Hilton  
Washington, D.C.  
November 6–7, 2002

## Attendees

### *\*Speaker*

**Kenneth Andromalos**  
Director of Technology  
Geo-Con, Inc.  
4075 Monroeville Boulevard  
Suite 400  
Monroeville, PA 15146-  
412-856-7700  
Fax: 412-373-3357  
E-mail: kandromalos@geocon.net

**William Bazela**  
Research Technician  
DuPont Central Research  
and Development  
Experimental Station 304/A313  
P.O. Box 80304  
Wilmington, DE 19880-0304  
302-695-7497  
Fax: 302-695-4414  
E-mail: william.b.bazela@  
usa.dupont.com

**\*Karen Berry-Spark**  
Senior Consultant  
GeoSyntec Consultants, Inc.  
130 Research Lane - Suite 2  
Guelph, Ontario N1G 5G3  
Canada  
519-822-2230  
Fax: 519-822-3151  
E-mail: kberryspark@  
geosyntec.com

**\*Volker Birke**  
Environmental Chemist  
Department of Civil Engineering  
University of Applied Sciences - NE Lower  
Saxony, Germany  
Steinweg 4  
D-30989 Gehrden, Germany  
49-5108-921730  
Fax: 49-5108-921739  
E-mail: birke@fhnon.de

**\*Robert Borden**  
Principal Engineer  
Solutions-IES

3722 Benson Drive  
P.O. Box 7908  
Raleigh, NC 27609-  
919-873-1060  
Fax: 919-873-1074  
E-mail: rcborden@eos.ncsu.edu

**Bill Bostick**  
Technical Director  
Materials and Chemistry Laboratory, Inc.  
East Tennessee Technology Park  
2010 Highway 58 - Suite 1000  
Oak Ridge, TN 37830-1702  
865-574-6827  
Fax: 865-576-8558  
E-mail: wbostick@mcl-inc.com

**Paul Bucens**  
Project Manager  
Remediation Group, Inc.  
62 Whittemore Avenue  
Cambridge, MA 02140-  
617-498-2667  
Fax: 617-498-2677  
E-mail: paul.g.bucens@grace.com

**Pat Clark**  
Subsurface Protection &  
Remediation Division  
U.S. Environmental  
Protection Agency  
919 Kerr Research Drive  
P.O. Box 1198  
Ada, OK 74820  
Fax: 580-436-8703  
E-mail: clark.pat@epa.gov

**\*Cynthia Crane**  
Senior Engineer  
HydroGeoLogic, Inc.  
1155 Herndon Parkway  
Suite 900  
Herndon, VA 20170-  
703-478-5186  
E-mail: ccrane@hgl.com

**David Cwiertny**  
Graduate Researcher  
Department of Geography and  
Environmental Engineering  
Johns Hopkins University  
Ames Hall - Room 313  
3400 North Charles Street  
Baltimore, MD 21218-  
410-516-7807  
Fax: 410-516-8996  
E-mail: dcwiertny@jhu.edu

**Narendra Dave**  
Geological Manager  
Office of Environmental Assessment  
Environmental Technology Division  
Louisiana Department of Environmental  
Quality  
P.O. Box 82178  
Baton Rouge, LA 70884-2178  
225-765-0489  
Fax: 225-765-0602  
E-mail: narendra\_d@deq.state.la.us

**Eva Dmitrovic**  
Environmental Technologist  
Adventus Remediation  
Technologies, Inc.  
1345 Fewster Drive  
Mississauga, Ontario L5C 3S1  
Canada  
905-273-5374  
Fax: 905-273-4367  
E-mail: eva.dmitrovic@  
adventustech.com

**Markus Ebert**

Applied Geosciences  
University of Kiel  
Olshausenstrasse 40  
24098 Kiel, Germany  
49-431-880-4609  
Fax: 49-431-880-7606  
E-mail: me@gpi.uni-kiel.de

**Carl Elder**

Senior Consultant  
Geosyntec Consultants, Inc.  
120 Research Lane – Suite 2  
Guelph, Ontario N1G 5G3  
Canada  
519-822-2230  
Fax: 519-822-3151  
E-mail: celder@geosyntec.com

**\*James Fairweather**

Manager, Environmental Projects  
Orica Australia Pty Ltd.  
1 Nicholson Street  
Melbourne, Victoria 3000  
Australia  
E-mail: james.fairweather@orica.com

**Don Ficklen**

Environmental Program Manager  
Emergency Response Division  
Air Force Center for  
Environmental Excellence  
3207 Sidney Brooks  
Brooks AFB, TX 78235-  
210-536-5290  
Fax: 210-536-9026  
E-mail: holmes.ficklen@brooks.af.mil

**Mark Finney**

Task Manager/Senior Hydrogeologist  
Government Program  
Shaw E & I, Inc.  
4400 College Boulevard - Suite 150  
Overland Park, KS 66211-  
913-451-1224  
Fax: 913-451-2005  
E-mail: mark.finney@shawgrp.com

**Gary Gaillot**

Hydrogeologist  
Geosciences  
Shaw Environmental & Infrastructure, Inc.  
2790 Mosside Boulevard  
Monroeville, PA 15146-  
412-858-3929  
Fax: 412-372-8968  
E-mail: gary.gaillot@shawgrp.com

**Jayant Gotpagar**

Improvement Engineer  
Environmental Technology Center  
The Dow Chemical Company  
301 North Brazosport Boulevard  
(APB-2607)  
Freeport, TX 77541-  
979-238-5075

Fax: 979-238-0116  
E-mail: jkgotpagar@dow.com

**Rick Greiner**

ConocoPhillips, Inc.  
600 North Dairy Ashford (77079-1175)  
P.O. Box 2197  
Houston, TX 77252-2197  
832-379-6452  
Fax: 928-447-5737  
E-mail: john.f.greiner@conoco.com

**Adam Grenier**

Graduate Student  
Department of Geography and Environmental  
Engineering  
The Johns Hopkins University  
3400 North Charles Street  
Baltimore, MD 21218-  
410-516-7807  
E-mail: grengrenier@yahoo.com

**\*Lai Gui**

Research Associate  
Department of Earth Sciences  
University of Waterloo  
200 University Avenue, W  
Waterloo, Ontario N2L 3G1  
Canada  
519-888-4567  
Fax: 519-746-1829  
E-mail: lgui@scimail.uwaterloo.ca

**\*Stephen Hart**

Practice Lead for  
Groundwater Remediation  
Environmental Investigation Group  
URS Corporation  
8181 East Tufts Avenue  
Denver, CO 80237  
303-741-3889  
E-mail: stephen\_hart@urscorp.com

**David Hill**

Project Engineer  
Adventus Remediation  
Technologies, Inc.  
1345 Fewster Drive  
Mississauga, Ontario L4W 2A5  
Canada  
905-273-5374  
Fax: 905-273-4367  
E-mail: david.hill@adventustech.com

**\*Grant Hocking**

President  
GeoSierra LLC  
3730 Chamblee Tucker Road  
Atlanta, GA 30341  
678-406-0094  
Fax: 770-934-9476  
E-mail: ghocking@geosierra.com

**Michael Jordan**

GeoSyntec Consultants, Inc.  
130 Research Lane – Suite 2

Guelph, Ontario N1G 5G3  
Canada  
519-822-2230  
E-mail: mjordan@geosyntec.com

**\*Bob Kalin**

Queens University  
University of Applied Sciences  
r.kalin@qub.ac.uk

**\*Wiwat Kamolpornwijit**

Postdoctoral Research Associate  
Environmental Sciences Division  
Oak Ridge National Laboratory  
P.O. Box 2008  
Oak Ridge, TN 37831-6036  
865-574-7424  
Fax: 865-574-0765  
E-mail: wka@ornl.gov

**Kevin Keller**

Senior Project Manager  
Government Program  
Shaw E & I, Inc.  
4400 College Boulevard - Suite 150  
Overland Park, KS 66211-  
913-317-3577  
Fax: 913-451-2005  
E-mail: kevin.keller@shawgrp.com

**Stephen Klein**

President  
Connelly-GPM, Inc.  
3154 South California Avenue  
Chicago, IL 60608-  
773-247-7231  
Fax: 773-247-7239  
E-mail: connellygpm@aol.com

**Tamar Kohn**

Graduate Researcher  
Department of Geography and  
Environmental Engineering  
Johns Hopkins University  
Dogee 313 Ames Hall  
3400 North Charles Street  
Baltimore, MD 21218-  
410-516-7100  
Fax: 410-516-8996  
E-mail: tamarkohn@jhu.edu

**\*Thomas Krug**

GeoSyntec  
160 Research Lane - Suite 206  
Guelph, Ontario N1G 2M5  
Canada  
519-822-2230  
Fax: 519-822-3151  
E-mail: tkrug@geosyntec.com

**Stephen Kung**

U.S. Department of Energy  
11617 Regency Drive  
Potomac, MC 20854-  
301-903-7276  
E-mail: stephen.kung@em.doe.gov

**Richard Landis**

Development Engineer  
DuPont  
Barley Mill Plaza (27/2264)  
P.O. Box 800  
Wilmington, DE 19880-0027  
302-892-7452  
Fax: 302-892-7641  
E-mail: richard.c.landis@usa.dupont.com

**\*David Lee**

Research Hydrologist  
Environmental Technologies Branch  
Atomic Energy of Canada, Ltd.  
Chalk River Laboratories  
Chalk River, Ontario K0J 1J0  
Canada  
613-584-8811  
Fax: 613-584-1221  
E-mail: leed@aecl.ca

**Tie Li**

Environmental Engineer  
URS Corporation  
9801 Westheimer - Suite 500  
Houston, TX 77042-  
713-914-6403  
Fax: 713-789-8404  
E-mail: tie\_li@urscorp.com

**John Liskowitz**

ARS Technologies, Inc.  
114 North Ward Street  
New Brunswick, NJ 08901-  
732-296-6620  
Fax: 732-296-6625  
E-mail: jjl@arstechnologies.com

**Lloyd Marsden**

Technical Sales  
Rantec Corporation  
P.O. Box 729  
Ranchester, WY 82839-  
307-655-9565  
Fax: 307-655-7528  
E-mail: lwm@ranteccorp.com

**Mary Sue McNeil**

Subsurface Protection &  
Remediation Division  
U.S. Environmental Protection Agency  
919 Kerr Research Drive  
P.O. Box 1198  
Ada, OK 74820  
580-436-8874  
Fax: 580-436-8703  
E-mail: mcneil.marysue@epa.gov

**Jeff Mellen**

The Levy Company  
P.O. Box 540  
Portage, IN 46368-  
800-388-0127  
Fax: 219-787-8986

E-mail: jmellen@levyco.net

**Mark Mercer**

Environmental Engineer  
Hazardous Waste Program  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW (5303W)  
Washington, DC 20460-  
703-308-8652  
Fax: 703-308-8609  
E-mail: mercer.mark@epa.gov

**Joel Miller**

Geotechnical Engineer  
Southern Company Services, Inc.  
P.O. Box 2625 - Bin B263  
Birmingham, AL 35202-2625  
205-992-7762  
Fax: 205-992-0356  
E-mail: jpmiller@southernco.com

**Lynn Morgan**

Senior Geologist  
HydroGeoLogic  
1155 Herndon Parkway - Suite 900  
Herndon, VA 20170-  
703-736-4518  
E-mail: lmorgan@hgl.com

**John Moylan**

Consulting Geologist  
John Moylan, Consulting Geologist  
5306 West 57th Street  
Shawnee Mission, KS 66205-  
913-262-1557  
Fax: 913-344-1011  
E-mail: johnmoylan@att.net

**John Murphy**

Marketing Manager  
The Levy Company  
P.O. Box 540  
Portage, IN 46368-  
219-787-8666

**Paul Mushovic**

Environmental Scientist  
Division of Environmental  
Protection and Remediation  
U.S. Environmental Protection Agency  
999 18th Street - Suite 300  
Denver, CO 80202-  
303-312-6662  
E-mail: mushovic.paul@epa.gov

**Alec Naugle**

Associate Engineering Geologist  
Groundwater Protection and  
Waste Containment  
San Francisco Bay Regional Water Quality  
Control Board  
1515 Clay Street - Suite 1400  
Oakland, CA 94612-  
510-622-2510  
Fax: 510-622-2458  
E-mail: awn@rb2.swrcb.ca.gov

**\*Stephanie O'Hannesin**

Principal  
EnviroMetal Technologies, Inc.  
745 Bridge Street, W - Suite 7  
Waterloo, Ontario N2V 2G6  
Canada  
519-746-2204  
Fax: 519-746-2209  
E-mail: sohannesin@eti.ca

**Suzanne O'Hara**

Senior Environmental Engineer  
GeoSyntec  
160 Research Lane - Suite 206  
Guelph, Ontario N1G 2M5  
Canada  
519-822-2230  
Fax: 519-822-3151  
E-mail: sohara@geosyntec.com

**Jim Ortman**

Vice President, Business Development  
GeoSierra LLC  
3730 Chambee Tucker Road  
Atlanta, GA 30341-  
678-406-0094  
Fax: 770-934-9476  
E-mail: jortman@geosierra.com

**Robert Powell**

Powell Associates  
8310 Lodge Haven Street  
Las Vegas, NV 89123-  
702-524-5213  
Fax: 413-451-2169  
E-mail: rpowell@powellassociates.com

**\*Bob Puls**

National Risk Management  
Research Laboratory  
U.S. Environmental Protection Agency  
P.O. Box 1198  
Ada, OK 74820  
580-436-8543  
Fax: 580-436-8703  
E-mail: puls.robert@epamail.epa.gov

**John Quander**

Environmental Scientist  
Technology Innovation Office  
Office of Solid Waste &  
Emergency Response  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW (5102G)  
Washington, DC 20460-  
703-603-9198  
Fax: 703-603-9135  
E-mail: quander.john@epa.gov

**\*A. Lynn Roberts**

Associate Professor  
Whiting School of Engineering  
Department of Geography and  
Environmental Science  
The Johns Hopkins University

313 Ames Hall  
3400 North Charles Street  
Baltimore, MD 21218-2686  
410-516-4387  
Fax: 410-516-8996  
E-mail: lroberts@jhu.edu

**James Romer**

Senior Remediation Engineer  
Environmental Restoration  
Science Applications  
International Corporation  
151 Layfayette Drive  
P.O. Box 2501  
Oak Ridge, TN 37831-  
865-481-4676  
Fax: 865-481-4653  
E-mail: james.r.romer@saic.com

**\*Tom Sale**

Research Assistant  
Colorado State University  
Engineering Research Center B-17  
Foot Hills Campus  
Fort Collins, CO 80523  
970-491-8413  
Fax: 970-491-8224  
E-mail: tsale@lamar.colostate.edu

**H.G. Sanjay**

Senior Engineer  
ARCTECH, Inc.  
14100 Park Meadows Drive  
Chantilly, VA 20151-  
703-222-0280  
Fax: 703-222-0299  
E-mail: envrtech@arctech.com

**\*Bruce Sass**

Senior Research Scientist  
Environmental Restoration Department  
Battelle Memorial Institute  
505 King Avenue  
Columbus, OH 43201-2693  
614-424-6315  
Fax: 614-424-3667  
E-mail: sassb@battelle.org

**Hermann Schad**

IMES GmbH  
Martinstr. 1  
D-88279 Amtzell, Germany  
E-mail: hermann.schad.imes@t-online.de

**\*Stephen Shoemaker**

Senior Consultant  
DuPont Company  
6324 Fairview Drive  
Charlotte, NC 28210-  
704-362-6638  
Fax: 704-362-6636  
E-mail: stephen.h.shoemaker@  
usa.dupont.com

**Malcolm Siegel**

Tech Coordinator ITRD

Sandia National Laboratories  
MS-0755  
Albuquerque, NM  
505-844-5426  
E-mail: msiegel@sandia.gov

**Timothy Sivavec**

Chemist  
General Electric Corporate  
Research and Development  
One River road  
Building K1-5A45  
Niskayana, NY 12309-  
518-387-7677  
Fax: 518-387-5592  
E-mail: sivavec@crd.ge.com

**Donovan Smith**

General Manager  
JRW Technologies  
14321 West 96th Terrace  
Lenexa, KS 66215-  
913-438-5544  
Fax: 913-438-5554  
E-mail: dsmith@jrwtechnologies.com

**David Smyth**

Research Hydrogeologist  
Department of Earth Sciences  
University of Waterloo  
200 University Avenue, W  
Waterloo, Ontario, N2L 3G1  
Canada  
519-888-4567  
Fax: 519-746-3882  
E-mail: dsmyth@sciborg.uwaterloo.ca

**Roy Spalding**

Professor  
University of Nebraska  
Lincoln, NE  
402-472-8214

**Bill Stanley**

The Levy Company  
P.O. Box 540  
Portage, IN 46368-  
800-388-0127  
Fax: 219-787-8986  
E-mail: bstanley@levyco.net

**Richard Steimle**

Hydrogeologist  
Technology Innovation Office  
U.S. Environmental Protection Agency  
401 M Street, SW (5102G)  
Washington, DC 20460  
703-603-7195  
Fax: 703-603-9135  
E-mail: steimle.richard@epa.gov

**Chunming Su**

Soil Scientist  
Subsurface Protection &  
Remediation Division  
U.S. Environmental Protection Agency

919 Kerr Research Drive  
Ada, OK 74820-  
405-436-8638  
Fax: 405-436-8703  
E-mail: su.chunming@epa.gov

**\*Michelle Thomson**

Senior Environmental Engineer  
URS Corporation  
Barley Mill Plaza  
Building 27-2305  
Wilmington, DE 19880-0027  
302-892-0614  
Fax: 302-892-7637  
E-mail: michelle\_thomson@  
urscorp.com

**Matthew Turner**

Case Manager  
Division of Responsible  
Party Site Remediation  
New Jersey Department of Environmental  
Protection  
401 East State Street  
P.O. Box 028  
Trenton, NJ 08625-0028  
609-984-1742  
Fax: 609-633-1454  
E-mail: mturner@dep.state.nj.us

**John Vidumsky**

Engineer  
Corporate Remediation Group  
DuPont Engineering  
Barley Mill Plaza - Building 27  
Lancaster Pike and Route 141  
Wilmington, DE 19880-0027  
302-892-1378  
Fax: 302-892-7637  
E-mail: john.e.vidumsky@  
usa.dupont.com

**Peter Vikesland**

Assistant Professor  
Civil and Environmental Engineering  
Virginia Tech  
415 Durham Hall (0105)  
Blacksburg, VA 24061-  
540-231-3568  
Fax: 540-231-7916  
E-mail: petervikesland@vt.edu

**Dimitrios Vlassopoulos**

SS Papadopoulos and Associates, Inc.  
7944 Wisconsin Avenue  
Bethesda, MD 20814-  
301-718-8900  
Fax: 301-718-8909  
E-mail: dimitri@sspa.com

**John Vogan**

President  
EnviroMetal Technologies, Inc.  
745 Bridge Street, W - Suite 7  
Waterloo, Ontario  
Canada

519-746-2204  
Fax: 519-746-2209  
E-mail: [jvogan@eti.ca](mailto:jvogan@eti.ca)

**\*Scott Warner**

Principal Hydrologist  
Geomatrix  
201 Webster Street - 12th Floor  
Oakland, CA 94612-  
415-743-7069  
Fax: 510-663-4269  
E-mail: [swarner@geomatrix.com](mailto:swarner@geomatrix.com)

**Barron Weand**

Lead Environmental Systems Engineer  
Mitretek Systems  
3150 Fairview Park Drive, S  
Falls Church, VA 22042-4519  
703-610-1745  
Fax: 703-610-1546  
E-mail: [bweand@mitretek.org](mailto:bweand@mitretek.org)

**Stephen White**

U.S. Army Corps of Engineers  
12565 West Center Road  
Omaha, NE 68144  
402-697-2660  
Fax: 402-697-2673  
E-mail: [stephen.j.white@usace.army.mil](mailto:stephen.j.white@usace.army.mil)

**John Wilkens**

Research Associate  
DuPont Central Research  
and Development  
Experimental Station 304/A313  
P.O. Box 80304  
Wilmington, DE 19880-0304  
302-695-3143  
Fax: 302-695-4414  
E-mail: [john.a.wilkens@usa.dupont.com](mailto:john.a.wilkens@usa.dupont.com)

**\*Rick Wilkin**

Environmental Geochemist  
Subsurface Protection &  
Remediation Division  
U.S. Environmental  
Protection Agency  
919 Kerr Research Drive  
P.O. Box 1198  
Ada, OK 74820-  
580-436-8874  
Fax: 580-436-8703  
E-mail: [wilkin.rick@epa.gov](mailto:wilkin.rick@epa.gov)

**Woong-Sang Yoon**

Environmental Restoration Department  
Battelle Memorial Institute  
505 King Avenue  
Columbus, OH 43201-2693  
Fax: 614-424-3667  
E-mail: [yooww@battelle.org](mailto:yooww@battelle.org)