# Vapor Intrusion Mitigation Workshop



June 11, 2007 Brown University (Providence, RI)

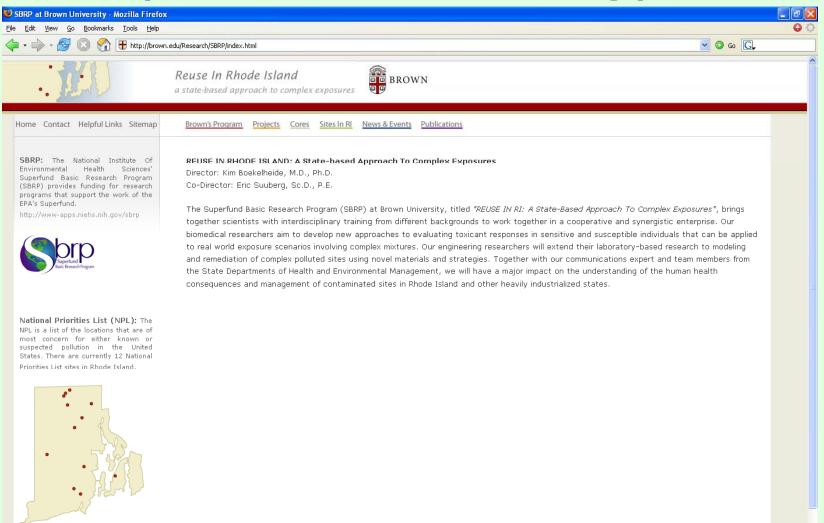
June 12, 2007 Radisson Hotel (Chelmsford, MA)



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## Brown's SBRP (www.brown.edu/sbrp)



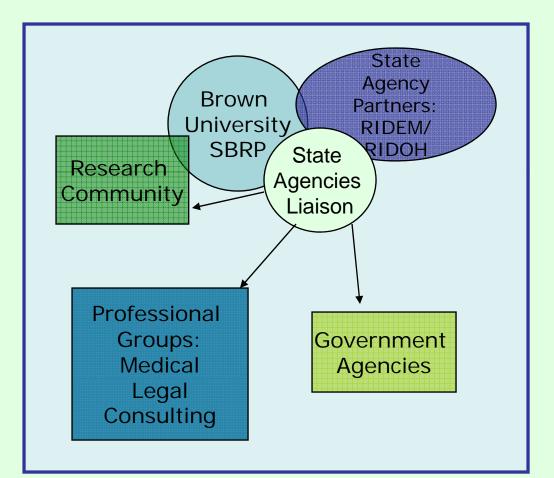
#### Laboratory Research Applied to Real World Environmental Challenges

Seven research projects address theoretical and practical aspects of disease mechanisms and potential biomarkers associated with co-exposures.

Project 1: Testicular Sensitization And Co-Exposure Synergy Led by: Kim Boekelheide, M.D., Ph.D.
Project 2: Genotoxic Potential Of Mixed Dust Exposures Led by: Agnes B. Kane, M.D., Ph.D.
Project 3: Genetic Stress And Toxicant-Induced Pregnancy Disruption Led by: Surendra Sharma, M.B.B.S., Ph.D.
Project 4: Biological Dosimetry Of Hexavalent Chromium Led by: Anatoly Zhitkovich, Ph.D.

Project 5: Metals Removal Via Spouted Bed Electrolytic Reactors Led by: Joseph M. Calo, Ph.D., P.E.
Project 6: Mechanisms of Mercury Adsorption and Metals Exposure from Mixed Pollutant Streams - Led by: Robert Hurt, Ph.D.
Project 7: Vapor Pressures And Thermodynamic Properties Of Complex Organic Containing Mixtures - Led by: Eric M, Suuberg, Sc.D., P.E.

#### **Research Translation**



Results of laboratory research are transferred to governmental agencies, environmental and public health professionals, and the research community

The SBRP supports training events for professionals who are tasked with the day-to-day activities related to reducing health risks associated with hazardous waste sites

### Vapor Intrusion Mitigation Workshop Agenda

- 9:30 Welcome and Introduction, Kelly Pennell Brown University
- 9:45 Vapor Intrusion Mitigation Applied Theory, Ray Cody EPA Region I
- 10:45 Break
- **11:00** Vapor Intrusion Mitigation System Performance Evaluation Bill Wertz - New York State DEC
- 12:00 Lunch (provided)
- 1:00 Evaluation of the Effect of Vadose Zone Biodegradation on Vapor Intrusion at Petroleum Hydrocarbon Sites, Robert Ettinger – GeoSyntec
- 2:00 Break
- 2:15 Installing Vapor Intrusion Mitigation Systems in Residential Settings: A Case Study from the Raymark Superfund Site, Ron Curran - CTDEP
- 2:45 Gaining a Better Understanding of Vapor Intrusion using a 3-D Modeling Approach, Kelly Pennell - Brown University
- 3:15 Open Discussion
- 3:45 Adjourn