



Monitoring Urban Waterways: DPR's Surface Water Protection Program

The Department of Pesticide Regulation's (DPR) Surface Water Protection Program protects human health and the environment by preventing pesticides from adversely affecting our surface waters, by addressing both agricultural and nonagricultural sources of pesticide residues in surface waters. It has preventive and response components that reduce the presence of pesticides in surface waters. At this special presentation, environmental scientists Yuzhou Luo, Robert Budd and Michael Ensminger will provide an update on recent findings in urban waterways.

AGENDA

October 26, 11: 45 a.m.* 1001 I Street in Sacramento * Sierra Hearing Room

- 11:45 a.m. *Registration, Sign-In*
- 12 p.m. Welcome and Introduction: Brian Leahy, Director - Department of Pesticide Regulation
- 12:05 p.m. Introduction to Surface Water Protection Program, modeling to aid decision making for surface water monitoring – Yuzhou Luo, Research Scientist III
- 12:20 p.m. Program basics of northern and southern California urban monitoring – Michael Ensminger, Senior Environmental Scientist (Specialist)
- 12:35 p.m. Special studies in urban monitoring: toxicity testing, mitigation monitoring – Robert Budd, Senior Environmental Scientist (Specialist)
- 12:50 p.m. Questions
- 1 p.m. Adjourn**

C.E. CREDITS ARE AVAILABLE (IN-PERSON ATTENDEES ONLY) * View "live" webcast at <http://www.calepa.ca.gov/broadcast/>

Speakers

Brian Leahy was appointed as Director, Department of Pesticide Regulation (DPR) on Feb. 2, 2012 by Governor Edmund G. Brown Jr. Prior to joining DPR, he served as assistant director for the Division of Land Resource Protection in the California Department of Conservation for five years. His focus was the potential for maximizing the benefits from open space management, including farmland management, to improve public health, transportation, biodiversity, climate change adaptation and natural resources.

Yuzhou Luo is a Research Scientist III in DPR's Surface Water Protection Program. Dr. Luo received his Ph.D. in Environmental Engineering from University of Connecticut. His research interests include hydrological and environmental modeling, stochastic simulations, and Geographic Information System (GIS). He joined CDPR in 2009 and has been developing consistent and transparent modeling approaches for evaluating environmental fate of pesticides in surface waters. Modeling results are used to support pesticide registration, monitoring, and risk assessments in California.

Robert Budd is a Senior Scientist in DPR's Surface Water Protection Program. Since 2009 he has lead the Southern California urban monitoring program. Dr. Budd received his Ph.D. in Environmental Science from the University of California at Riverside. His research focused on best management practices to reduce pesticides in agricultural tailwater.

Michael Ensminger is a Senior Scientist in DPR's Surface Water Protection Program. After receiving his Ph.D. in Plant Biology from Purdue University, Dr. Ensminger worked for Syngenta Crop Protection, leading programs in herbicide discovery and field research. In 2007 he joined DPR where he currently leads the Northern California urban monitoring program.