

About the Workshop....

Each fall, the Hudson-Delaware Regional SETAC Chapter offers an intensive one-day workshop on topics selected to be timely and informative. This year's workshop will focus on elements of the *Framework for Metals Risk Assessment*, which was released by the United States Environmental Protection Agency in March 2007. The *Framework* seeks to advance our understanding of the impact of metals in a consistent manner across the Agency's programs, since inorganic metals and metal compounds present unique issues for risk assessors. Although not prescriptive, the *Framework* outlines the key principles to consider when assessing the fate and effects of metals, and in particular, focuses on environmental chemistry, fate and transport, exposure, bioavailability, bioaccumulation, and human and ecological health effects.

Invited speakers will discuss the purpose, as well as the regulatory and scientific basis of the *Framework*. This workshop will be presented in a setting that will provide ample question-and-answer opportunities, as well as casual conversation with the presenters. Professionals and students working on metals-related topics may present posters on topics relevant to the workshop subject and focused on practical applications and site-specific projects related to metals risk assessment. If you are interested in presenting your work in a poster format, you may submit an abstract by email to Amanda Maxemchuk (amaxemchuk@optonline.net) or Richard Henry (richard_henry@fws.gov) by October 22, 2007.

About SETAC....

SETAC is an international professional society of 6,000 environmental chemists, toxicologists, and ecologists from academia, government, and private industry. The Hudson-Delaware Chapter was founded in 1984 to help further the goals of SETAC in the greater New York - Philadelphia Metropolitan Area. SETAC promotes learned discourse and education on all aspects of environmental toxicology and chemistry.

Environmental Risk Assessment of Metals and Metalloids

HDC-SETAC Fall Workshop

October 26, 2007



Adventure Aquarium
Camden, New Jersey

PROGRAM

8:15 - 9:00 am

Registration, Continental Breakfast & Poster
Set-up

9:00 - 9:50 am

**Principals for Metals Risk Assessment: US
EPA Framework
Charles A. Menzie, Exponent**

9:50 - 10:30 am

**Fate & Transport of Metals in Surface Waters
& Sediment: The Role of Partitioning &
Precipitation**

Dominic DiToro, University of Delaware

10:30 - 10:50 am

Break & Poster Viewing

10:50 - 11:30 am

**Metal Bioavailability & Relating Metal
Accumulation to Effects on Aquatic
Organisms**

Paul Paquin, Hydroqual, Inc.

11:30 am - 12:00 pm

**Development of a AUnit World@ Hazard
Ranking Model for Metals
Kevin J. Farley, Manhattan College**

12:00 - 1:00 pm

Lunch & Poster Viewing

1:00 - 1:50 pm

**Use of Bioavailability Data in Human Health
Risk Assessment of Soil Borne Metals
Mark Maddaloni, US EPA Region 2**

1:50 - 2:10 pm

Break & Poster Viewing

2:10 - 3:00 pm

**Ecological Effects & Risk Assessment
Marc Greenburg, US EPA Environmental
Response Team**

3:00 - 3:30 pm

Panel Discussion / Q&A / Wrap Up

3:30 - 5:00 pm

Poster Viewing & Aquarium Tour

**DIRECTIONS TO THE ADVENTURE
AQUARIUM**

From NJ Turnpike: Take Exit 4 onto Route 73 North to Route 38 West. From 38 West, bear right at overpass to Route 30 West and go approximately 1.6 miles to the AMartin Luther King Boulevard/Waterfront Attractions@ exit on the right. Off the ramp, continue straight until the road splits and stay to the left onto MLK Blvd. Follow MLK Blvd approximately 1.1 miles and turn right at 3rd St. Make a left at the second light, Market St, and go three blocks to its end at Delaware Ave. Make a left at Delaware Ave - the parking area is on the right.

Philadelphia and the Western Suburbs: From I-76 (Schuylkill Expressway), follow signs to central Philadelphia. Take Exit 344, I-676 East and go approximately 1.6 miles to the Ben Franklin Bridge exit. Stay in the left lane and make a right at the bottom of the ramp onto 6th St. Stay left, follow the circle to the Ben Franklin Bridge. Cross the Bridge, bear right and continue on I-676 South. Take Exit 5B, 3 mile from toll plaza, and exit at AMarket Street/Waterfront.@ Stay on Market St for approximately 0.6 miles to its end at Delaware Ave. Make a left onto Delaware Ave, and the parking area is on the right.

For more information, please go to
<http://www.njaquarium.org>

REGISTRATION

**Early Registration.....\$100.00
After Oct 22 or at the door.....\$125.00
Optional Aquarium Visit*.....Included
* One Aquarium ticket is included with your
registration if done by Midnight Oct 22, 2007.
A small number of tickets will be available on
a first come/first serve basis after Oct. 22,
2007. Tickets are good for one year.**

To register for the workshop, visit our website at www.hdcsetac.org and follow the on-line instructions. Credit cards are accepted when registering online. The registration form may also be downloaded and faxed to Christopher Nally at 610-434-2510

For additional information please contact:

Amanda Maxemchuk: Workshop Co-Chair
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or

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