

Preliminary Announcement & Call for Abstracts
**Workshop on the Fate, Transport, and
Transformation of Mercury in Aquatic and
Terrestrial Environments**

May 8 - 10, 2001
West Palm Beach, Florida

**Sponsored by
U.S. Environmental Protection Agency**

The U.S. EPA Office of Research and Development is conducting this workshop which is cosponsored by the USGS/U.S. EPA Mercury Roundtable, the U.S. EPA Science to Achieve Results (STAR) Program, and the South Florida Mercury Science Program.

Workshop Goals

The workshop is designed to achieve three goals:

- Describe the current state of knowledge, gaps, and areas of consensus regarding the fate and transport of mercury in aquatic and terrestrial systems.
- Present ongoing efforts to develop a better understanding of aquatic and terrestrial mercury transformation processes (biotic and abiotic), with implications for ecological and human exposures.
- Explore possible resources, actions, and tools for managing ecological and human exposures to methylmercury via aquatic and terrestrial systems, including decreasing mercury emission rates and implementing means of reducing methylation rates.

Who Should Attend

- International, federal, state, local, and tribal environmental decision-makers
- Industry
- Academia
- Environmental consultants
- Environmental organizations
- Researchers and scientists

Technical Sessions

Mercury and Methylmercury Transport in the Environment

- watersheds
- sediments and sediment-water interface
- terrestrial systems
- air/water interface

Methylmercury Production in the Environment

- methylation and demethylation processes
- geochemical controls
- methods for measurement
- internal and external sources in aquatic systems
- abiotic transformations in soils and surface water

EPA STAR Mercury Research Program Review (presentations by invited current investigators)

Bioaccumulation of Mercury in Food Webs

- control of bioavailability for uptake
- organism barriers for uptake
- differences at the species level
- impacts of food web structure and water chemistry

Managing Mercury Contamination in Terrestrial and Aquatic Systems

- ecosystem responses to changes in mercury loading
- management factors affecting toxicity to ecosystems
- modeling
- responses of fish levels to changes in external loadings

Abstract Submission

Prospective speakers should submit a one page (double-spaced) abstract on the conference topics described above by **February 1, 2001**. Abstracts must include the author's name, affiliation, address, phone number, fax number & e-mail address. Speakers selected for the program will be asked to provide a 4-5 page extended abstract.

Direct technical inquiries and abstract submissions to:

Scott Minamyer
U.S. Environmental Protection Agency
ORD, NRMRL, MS G75
26 West Martin Luther King Drive
Cincinnati, OH 45268
Phone: 513-569-7175 Fax: 513-569-7585
Email: minamyer.scott@epa.gov

For More Information and Conference Registration

The conference registration brochure will be available on EPA's website in January 2001.

<http://www.epa.gov/ttbnrmrl>