United States Environmental Protection Agency Office of Water Washington, DC 20460 EPA-823-R-07-008 September 2007



Proceedings of the 2007 National Forum on Contaminants in Fish

Section II-A

Welcome to the 2007 National Forum on Contaminants in Fish

Forum Co-Chairs and General Moderators:

Jeffrey Bigler, Office of Science and Technology, Office of Water, U.S. EPA Eric Frohmberg, Maine Center for Disease Control

Update on EPA's Advisory Program

Denise Keehner, Director, Standards and Health Protection Division, Office of Science and Technology, Office of Water, U.S. EPA

Welcome to Maine

Dora Anne Mills, Director of the Maine Center for Disease Control

Reducing Mercury in Maine Fish

David P. Littell, Commissioner of the Department of Environmental Protection

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Update on EPA's Advisory Program

Denise Keehner, Director, Standards and Health Protection Division, Office of Science and Technology, Office of Water, U.S. EPA

Biosketch

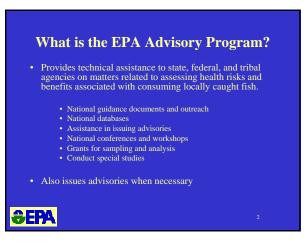
Ms. Denise Keehner is Director of the Standards and Health Protection Division in the Office of Water at EPA's headquarters. In this capacity, Ms. Keehner is responsible for overseeing the implementation of the Water Quality Standards Program, the Beach Program and the Fish Advisory Program. Before joining the Office of Water in 2003, Ms. Keehner served as Director of the Biological and Economic Analysis Division in the Office of Pesticide Programs (OPP) and also served as the Acting Director of the Environmental Fate and Effects Division in OPP. Ms. Keehner has also held management positions in the Office of Solid Waste and Emergency Response and in the former Office of Toxic Substances. In her 27 years at EPA, she has participated in risk management decision making under the Clean Water Act; the Resource Conservation and Recovery Act; the Federal Insecticide, Fungicide, and Rodenticide Act; the Food Quality Protection Act; and the Toxic Substances Control Act.

2007 National Forum on Contaminants in Fish

Update on **EPA's Advisory Program**

Denise Keehner, Director Standards and Health Protection Division Office of Science and Technology Office of Water US EPA

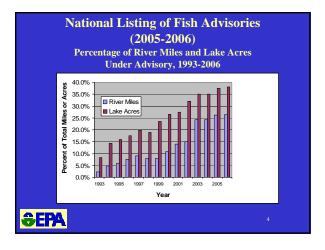
SEPA



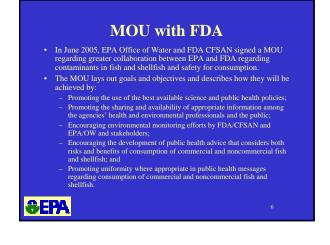
National Listing of Fish Advisories (1993-2006)

- The NLFA is a Website that houses a compilation of fish
 consumption advisory information voluntarily provided to EPA by states, territories, tribes
- It contains information on the geographic locations of the at contains miorination on the geographic locations of the waters under advisory or safe eating guidelines, the type of advisory (limit consumption or do not eat), the type of fish covered, the target population (e.g., general or children and expectant mothers), meal advice, and the lake acres and miles under advisory in 2004 The NLFA also includes an extensive database of fish tissue contaminant data for waters of the U.S.
- During 2008, we will form a workgroup to look at the current NLFA and determine if changes need to be made to the database or public interface









MOU Outreach for The Joint Federal Advisory

- Various outreach tools have been developed
- To improve our outreach, EPA and FDA have conducted several surveys on the public's perception of, and sources of information about, the benefits and risks of fish consumption
- FDA and EPA attend National Medical Conferences to increase awareness about Risks and Benefits of Fish Consumption among Medical Professionals

SEPA





IRIS Study on PBDEs Completed draft undergoing

What are the Future Directions?

- Continue working on approaches to evaluating how health benefits
 may play a larger role in developing advisories and messages
- may play a larger role in developing advisories and messages Continue looking at emerging contaminants
- PPCPs and other PBTs
- Complete study on historical mercury advisories
 Have tissue levels changed enough to warrant revising advisories?
 Continue mediate with attact on increased mercircles and increased
- Continue working with states on increased monitoring and issuing advisories or safe eating guidelines
 Continue work with FDA on environmental contaminants in fish and
- Continue work with FDA on environmental contaminants in fish and shellfish and the safety of fish and shellfish for consumption by U.S. consumers

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What are the Future Directions?

- Continue developing and distributing outreach products to consumers including a new brochure aimed at subsistence fishers
- Plan for the 2009 forum
- Last, we will continue working with or state and appropriate federal partners to identify and invite more Tribes, Alaska villages, and representatives of various ethnic groups to join us in this Forum.

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2007 National Forum on Contaminants in Fish - Proceedings

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Welcome to Maine

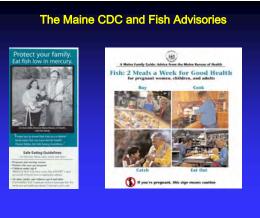
Dora Anne Mills, Director of the Maine Center for Disease Control

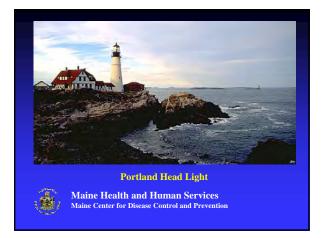
Biosketch

Dr. Dora Anne Mills (M.D., M.P.H.) is Director of the Maine Bureau of Health. Dr. Mills is a native of Maine and a graduate of Bowdoin College, the University of Vermont College of Medicine, the Children's Hospital of Los Angeles Internship and Residency Program, and the Harvard School of Public Health. She practiced medicine in Tanzania, East Africa; Los Angeles, CA; and Farmington, ME, before taking her current job in 1996 as the Director of the Maine Bureau of Health and as Maine's Chief Health Officer. Dr. Mills is a frequent public speaker on a range of health issues.









Reducing Mercury in Maine Fish

David P. Littell, Commissioner of the Department of Environmental Protection

Biosketch

Mr. David Littell is Commissioner of the Maine Department of Environmental Protection. He was appointed by Governor John Baldacci in December 2005. In this capacity, he is charged with protecting and improving public health and Maine's water, air, and environmental quality and overseeing more than 400 scientists, engineers, geologists, and environmental specialists in four offices across the state. Mr. Littell graduated with Honors from Harvard Law School, and he served as Managing Editor of the *Harvard Environmental Law Review*. Mr. Littell graduated *magna cum laude* at Princeton majoring in the Woodrow Wilson School of Public and International Affairs. He also served as Chairman of for Princeton's Honor Committee and Class President. Mr. Littell served as an Intelligence Officer in the U.S. Naval Reserve, resigning in 2003 as a Lieutenant Commander. Mr. Littell's previous professional work experience includes

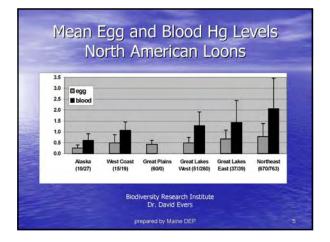
2 years as Department of Environmental Protection Deputy Commissioner and 11 years as a partner at a nationally recognized Portland (Maine) law firm, where he specialized in environmental and land-use regulations. Mr. Littell's personal commitment to environmental protection consists of involvement in many organizations, including Portland Trails as President and 10-year trustee, the Casco Bay Estuary Project, President of the Portland Downtown Corporation, and a member of the Portland Bayside Brownfield Redevelopment Committee. He also serves on the Maine Center for Disease Control and Prevention's Childhood Lead Poisoning Prevention Advisory Committee, and he has performed *pro bono* legal work to represent children in state child-protective proceedings.



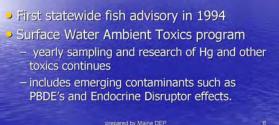


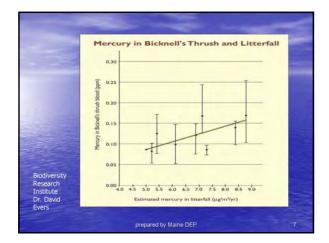


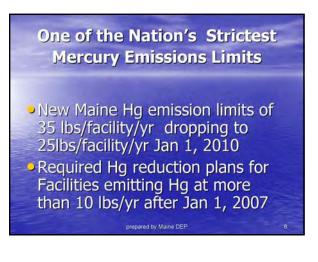




Results from Maine's participation in EPA's 1993 REMAP Project prompted

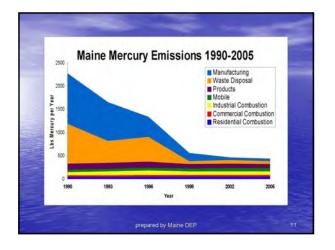


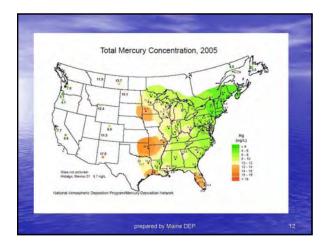


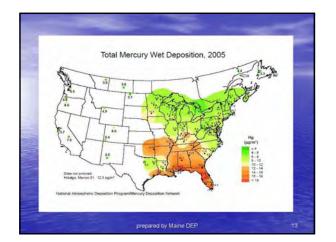












Landmark Binational Mercury Reduction Efforts

- 1998 New England Governor's/Eastern Canadian Premier's landmark Mercury Action Plan with work ongoing
- 2002 goal of 50% reduction from in region sources was exceeded
- 75% reduction goal for 2010

Northeast regional mercury emissions decreased approximately 70% between 1998 and 2002 In region reductions will continue as a result of comprehensive mercury product legislation now in effect in all Northeast states, air emissions limits that control 90-95% of mercury emissions as well as requirements for dental amalgam

Separators -Regional TMDL fact sheet

Northeast Regional TMDL-2007

- The New England States and New York have developed a regional TMDL plan so fish will be safe to eat
- Substantial reductions in anthropogenic emissions are needed to eliminate fish consumption advisories

Given that at least 90 percent control on out-of-region coalfired power plants is achievable and cost-effective, the Northeast TMDL calls for this level of control as the minimum initial first stage of out-of-region implementation.