



## ENDOCRINE DISRUPTORS – WHAT WE KNOW & WHAT WE DON'T

**A Regional Science Forum for the Mid-Atlantic**  
**November 16, 2006**  
**Holiday Inn – Fort Detrick**  
**Frederick, MD**

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**8:00 am Registration and Breakfast**

**8:45 am Welcome and Opening Remarks**

**9:00 am What are Endocrine Disruptors and Why are We Concerned?**

*Keynote Speaker: Edward Orlando, Florida Atlantic University*

**9:30 am Research and Monitoring Data on Endocrine Disruptors in the Environment**

Environmental Occurrence of Biocides and their Role as Endocrine Disruptors

*Rolf Halden, Johns Hopkins University*

Poultry Litter Associated Endocrine Disruption: Laboratory and Field Investigations

*Lance Yonkos, Wye Research Institute*

Quantifying Feminization and Androgenization in a Threatened and Endangered Fish Species Exposed to Low Doses of Wastewater Compounds

*David Walker, University of Arizona*

**10:30 am Break**

**10:45 am Documented & Potential Impacts of Endocrine Disruptors on Human Health**

Endocrine disruption and human health: Are there opportunities for preventing disease?

*Pete Myers, Environmental Health Sciences*

**11:15 pm Documented & Potential Impacts of Endocrine Disruptors on Biota**

The Effects of EDCs in Birds

*Mary Ann Ottinger, University of Maryland*

Intersex and other potential indicators of exposure to estrogenic chemicals in fishes from the Potomac drainage

*Vicki Blazer, U.S. Geological Survey*

Endocrine disruptors in invertebrates

*Geoff Scott, National Oceanic and Atmospheric Administration*

**12:15 pm Lunch (Provided)**

**1:15 pm Documented & Potential Solutions to Reduce EDs in Animal and Municipal Wastes**

Managing Emerging Contaminants of Concern in Wastewater and Animal Wastes

*Marc Mills, U.S. Environmental Protection Agency*

Thermophilic Composting of Poultry Layer Manure: Significantly Reduces Endocrine Compounds and Pathogens while Stabilizing Organic Matter

*Patricia Millner and Heldur Hakk, U.S. Department of Agriculture*

Fate of Polybrominated Diphenyl Ethers in Wastewaters

*Mark La Guardia, Virginia Institute of Marine Sciences*

**2:15 p.m. Break**

**2:30 p.m. Respondent Panel**

*Ed Orlando, Florida Atlantic University*

*Geoff Scott, National Oceanic and Atmospheric Administration*

*Alba Torrents, University of Maryland*

Panelists will discuss topics and comments raised during the day including:

- Needs for management and operation in the private sector.
- Policies/programs/incentives/regulations in the public sector.
- Research and education by institutions or others.

The audience will have an opportunity to respond to panelist comments after each section.

**3:30 p.m. Next Steps**

**4:00 pm Adjourn**

