



U.S. EPA Endocrine Disruptor Screening Program Update for the PPDC

May 21-22, 2008



Endocrine Disruptor Screening Program (EDSP)

www.epa.gov/scipoly/oscpendo

- EPA statutory authority resides with the Food Quality Protection Act (FQPA) and Safe Drinking Water Act (SDWA) - 1996 the only mandated endocrine disruptor program in the world
- EPA required to develop an endocrine screening program using validated assays to test pesticides, pesticidal inerts and certain chemicals found in water for estrogenic effects that may affect human health
- In 1998 EPA adopted the recommendations of the Endocrine Disruptor Screening and Testing Advisory Committee (EDSTAC)
 - Address estrogen, androgen and thyroid effects plus humans and wildlife
 - Priority setting process for chemicals selected
 - Two tier approach for testing
 - **Tier 1- in vitro and in vivo testing to detect potential to interact with endocrine sys.**
 - **Tier 2 - Multi Multi-generation studies covering a broad of range of taxa to provide data for hazard assessment.**





Update on Tier 1 and Tier 2 Assay Validation, Policy Procedures and Chemical Priority Setting



Tier 1 Assays

- Peer Review Complete for: Uterotrophic, Hershberger, Adult Male, Female Pubertal, Male Pubertal, AR Binding, Aromatase, Amphibian Metamorphosis, Fish Screen, Steroidogenesis, and ER Binding
- The Science Advisory Panel reviewed the EDSP Proposed Tier-1 Screening Battery on March 25-28, 2008.

Tier 2 Assays

- Mammalian 2-gen - Complete
- Avian 2-gen – 2010
- Amphibian Growth/Repro -- 2010
- Fish 2-gen – 2010
- Mysid 2-gen – 2010

Procedures/Chemical Priorities

- Held public workshops on procedures 12/17/07 and 2/28/08
- FR Notice public comment periods extended until March 12, 2008

EDSP - Coming Attractions

- June 24, 2008 – Information collection request (ICR) FR Notice to publish (required to issue testing orders)
- June 26, 2008 – Science Advisory Panel report on the Tier 1 Battery of assays due
- August 4, 2008 – Final policy procedures FR Notice to publish
- August 4, 2008 – Final list of chemicals for testing FR Notice to publish
- August 4, 2008 – Assays selected for the Tier I battery FR Notice to publish
- August 28, 2008 - Upon OMB approval of the ICR, the first orders for Tier 1 testing to be issued

