



## CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO)

HERO is pleased to announce our seventh “Quarterly Updates from HERO” – April 2017

1. Revisions to Human Health Risk Assessment (HHRA) Note 2 – Soil Remedial Goals for Dioxins and Dioxin-like Compounds for Consideration at California Hazardous Waste Sites, April 2017. The update to this HHRA Note is described below with a link to the entire HHRA Note:

<http://www.dtsc.ca.gov/AssessingRisk/upload/HHRA-Note-2-dioxin-2017-04-06.pdf> or

<http://www.dtsc.ca.gov/assessingrisk/humanrisk2.cfm>.

HHRA Note 2. The updated HHRA Note 2 discusses a suite of suggested Dioxin-toxicity equivalent (Dioxin-TEQs) soil remediation goals that have been developed for consideration at mitigation sites in California for the protection of human health. These goals may be revised in the future, as new scientific information becomes available. The major revision to HHRA Note 2 includes revised residential and indoor commercial/industrial worker soil cleanup goals for dioxin-teq, along with the justification for these revised recommended cleanup goals.

2. **\*\*COMING SOON\*\*** - Risk and Decision Making Workshop – HERO is currently in the process of arranging Risk and Decision Making Workshop courses for our Northern and Southern California Regional offices. Class dates, time and locations will be announced soon. This course has been approved by Toxics University and will allow participants, after supervisor’s approval, to sign up through the Employee Training Center.

3. Benzo(a)pyrene [B(a)P]. In January 2017, U.S. EPA released an updated toxicological review of B(a)P toxicity through the Integrated Risk Information System (IRIS). HERO has reviewed the B(a)P assessment, and recommends using the U.S. EPA IRIS oral cancer slope factor, oral reference dose (RfD), and inhalation reference concentration (RfC). Please contact your site toxicologist if you have any questions regarding how the updated IRIS B(a)P toxicity criteria will affect any current risk assessment at your site(s). In general, the soil and tapwater screening levels will be approximately 7-fold less stringent than the current values, and the air screening level will be approximately 2-fold less stringent.

4. HERO News E-List. HERO has created a list serve where subscribers will receive e-mail notifications regarding news on topics related to human and ecological risk assessment including HERO Quarterly Updates, new and updated HHRA Notes, new and updated EcoNotes, as well as other risk assessment guidance documents, presentations, and publications.

To subscribe: 1) Go to the “E-Lists” tab near the upper right border of any DTSC or HERO web page; 2) Please read the instructions on signing up for E-Lists; 3) Scroll down until you see “**HERO News**”, click “**Subscribe**”, then fill out the requested information.

The direct link to the DTSC E-List sign-up page can be found at:

<http://www.dtsc.ca.gov/ContactDTSC/ELists.cfm>.

Please contact your site toxicologist if you have any site-specific questions or the contact person indicated in each HERO HHRA Note document for more general questions.

Thank you,

HERO