

November 19, 2013

ADDENDUM to Concerns Regarding Dioxin Release from the Stericycle Incinerator:

As an addendum to the November 7, 2013 Stericycle Tier 1 Technical Assist, it has been brought to the attention of the Environmental Epidemiology Program (EEP), Utah Department of Health, that an error in sampling location labeling exists in the 2003 Davis County Soil Dioxin Study. Originally, the Tier 1 report stated that the closest sampling to the Stericycle facility was located at 1100 West and Center Street in North Salt Lake with a sample value of 1.24 ppt TEQ. Upon GPS coordinate verification of sampling locations, the closest sampling location to the Stericycle facility was taken from the NW corner of Hatch Park (approximately 100 N. 100 W., North Salt Lake). This location is approximately one mile east of the Stericycle facility with a reported dioxin content of 3.72 ppt TEQ, a value that remains well below the screening level for dioxins (50 ppt). Furthermore, the Agency for Toxic Substance and Disease Registry (ATSDR) considers soil dioxin levels below 1,000 ppt TEQ on residential property to represent a low health risk (ATSDR, 2008).

The EEP would like to stress that although the 2003 Davis County Soil Dioxin Study provides historical reference for dioxin contamination along the northern Wasatch Front, that document's data will not be used for generating the findings for the current (Tier 3) Health Consultation study being conducted by the Utah Department of Health.

The UDOH strives to provide the most accurate health-based science and reporting available. This addendum does not impact the conclusions and recommendations previously set by the EEP in our original Tier 1 report, namely that investigative soil sampling for dioxins be carried out in the immediate vicinity of Stericycle and that an in-depth Health Consultation study be conducted to assess the health risks that dioxins in the area may present to local residents.

Prepared by:

Craig J. Dietrich, Ph.D.

Toxicologist

Environmental Epidemiology Program

Utah Department of Health

**References**

DeRosso, F., (2003) A comparison of dioxin levels found in residential soils of Davis County Utah with those found in residential soils in the Denver front range. Rocky Mountain Center for Occupational and Environmental Health Department of Family and Preventive Medicine. June 24, 2003.

Agency for Toxic Substance and Disease Registry (ATSDR), 2008. Update to the ATSDR Policy Guideline for Dioxins and Dioxin-Like Compounds in Residential Soil.  
[http://www.atsdr.cdc.gov/substances/dioxin/policy/Dioxin\\_Policy\\_Guidelines.pdf](http://www.atsdr.cdc.gov/substances/dioxin/policy/Dioxin_Policy_Guidelines.pdf)