

**From:** [Fernandez, Arianne \(ECY\)](#)  
**To:** ["Gennett, Raylene"](#)  
**Cc:** [Hamlin, Ted H. \(ECY\)](#); [Rodriguez, Lori J. \(ECY\)](#)  
**Subject:** FW: Final Report  
**Date:** Tuesday, April 05, 2011 11:36:45 AM  
**Attachments:** [SRUW\\_Metals-1011040.pdf](#)

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Hi Raylene,

Here are the total metals data. Lead and copper are Category B state-only dangerous wastes. With concentrations of 414 mg/Kg copper and 1440 mg/Kg lead, the percent would be  $(0.414\%+0.1440\%)/100 = 0.001854$ .

This would make it designate as a WT02 and a special waste if there are no liquids on the surface at the time of removal. If there are liquids, then it does not qualify as a special waste.

Here are the bioassays that place lead and copper as Category B toxics.

#### HSDB

LC50 Oncorhynchus kisutch (coho salmon) 286 ug/l/96 hr /Conditions of bioassay not specified/  
[Buckley WJ; Water Res 17: 1929 as cited in USEPA; Ambient Water Quality Criteria Doc: Copper p.71 (1985) EPA 440/5-84-031] \*\*PEER REVIEWED\*\* (from HSDB database)

LC50; Species: Oncorhynchus mykiss (Rainbow trout, length 160 mm); Conditions: freshwater, flow through, 7 deg C, hardness 30 mg/L CaCO3; Concentration: 200 ug/L for 14 days /total **lead** ion/  
[Goettl JP Jr et al; In: DB Cope (Ed.), Colorado Fish Res Rev 1972-1975: 68-75 (1976) as cited in the ECOTOX database. Available from, as of October 21, 2009: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm) \*\*PEER REVIEWED\*\*

Thanks,

#### **Arianne Fernandez**

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**Sent:** Friday, December 03, 2010 3:27 PM  
**To:** Fernandez, Arianne (ECY)  
**Subject:** Final Report