

ReSolution Partners, LLC

Renewing Contaminated Properties

Mr. Robert McCaig
DOI Project Coordinator
US Bureau of Reclamation (86-68580)
Denver Federal Center
P.O. Box 25007
Denver, CO 80255-0007

transmitted by 18 April 2007

RE: Krejci Dump Site Remedial Action
March 2007 West Hines Hill Road Roadside Samples

Dear Mr. McCaig:

Roadside samples on West Hines Hill Road were collected at the intersection of the bicycle trail with the road as requested by the Department of Interior. The samples collected on 31 March 2007 represent the approximate middle of the East Site debris and soil removal. The sample was collected about 13 feet to the south of the intersection. Grass was removed from the soil surface and the soil sample was collected over a 0.5-foot diameter area to a depth of about 0.1 foot. The soil was homogenized in place and placed in laboratory-provided containers. The containers were placed in a cooler and shipped to Severn-Trent Laboratories North Canton (STL) by overnight carrier under chain-of-custody.

The samples were tested as follows:

- metals content (USEPA SW-846, Method 6010B, mercury by Method 7470A)
- leachable metals concentrations by the Toxicity Characteristic Leaching Procedure (TCLP, USEPA SW-846 Method 1311)
- polychlorinated biphenyls (PCBs, USEPA SW-846, Method 8082)

The samples met the QA/QC requirements as established in the USEPA methods and meet NELAP requirements for applicable parameters. The STL analytical report is attached.

This is the third round of roadside sampling events. The results of the October 2005, May 2006, and March 2007 sampling events are summarized in Table 1 (attached). The latest results found no measurable PCB concentrations, comparable to the October 2005 results. The PCB concentrations for all sampling events were below remediation goals. The sample also produced no detectable leachable metals concentrations. No remediation goals were established for leachable metals concentrations. The March 2007 metals concentrations show no consistent trends in concentrations among the eight analytes when compared to the October results. The differences appear to reflect the variability in concentrations in the soil. The metals content are below site remediation goals and below maximum background concentrations.

Please contact Bernd Rehm at 608.669.1249 or at brehm@resolutionpartnersllc.net with questions.

Sincerely,

Bernd W. Rehm PG, CPG
Project Manager

Attachments: Table 1. Summary of analyses.
STL Analysis Report

Table 1						
Summary of W. Hines Hill Road Roadside Soil Sample Analyses (collected at bicycle-trail crossing). Krejci Dump Site Remedial Action						
	13 October 2005	23 May 2006	31 March 2007	Remediation Goals ^a	Background Maximum ^b	Site Maximum ^b
Soil Composition (mg/kg, dry weight)						
Aroclor 1016	<0.040	<0.049	<0.048	0.075	NA ^d	<5.138
Aroclor 1221	<0.040	<0.049	<0.048	0.075	NA	0.0900
Aroclor 1232	<0.040	<0.049	<0.048	0.075	NA	0.0500
Aroclor 1242	<0.040	<0.049	<0.048	0.075	NA	16.00
Aroclor 1248	<0.040	<0.049	<0.048	0.075	NA	3,300
Aroclor 1254	<0.040	<0.049	<0.048	0.075	NA	11,900
Aroclor 1260	<0.040	<0.049	<0.048	0.075	NA	9.792
Arsenic	5.9	6.3	8.8	13 (30)	27	298
Barium	41.3	50.1	58.2	210 (220)	165	13,374
Cadmium	<0.61	<0.75	<0.73	0.57 (1.3)	<1	455
Chromium	27.3	16.1	14.6	31 (35)	NA	1,829
Lead	12.4	49.2	40.8	100	123	52,245
Mercury	<0.12	<0.15	<0.15	1.7 (2.4)	5	32
Selenium	<0.61	<0.75	<0.73	1.9 (14)	2	224
Silver	<1.2	<1.5	<1.5	17	<1.6	629
Leachable Metals (mg/L by TCLP^c)						
Arsenic	<0.50	<0.50	<0.50	none	NA ^(d)	NA
Barium	<10.0	<10.0	<10.0	none	NA	NA
Cadmium	<0.10	<0.10	<0.10	none	NA	NA
Chromium	<0.50	<0.50	<0.50	none	NA	NA
Lead	<0.50	<0.50	<0.50	none	NA	NA
Mercury	<0.0020	<0.0020	<0.0020	none	NA	NA
Selenium	<0.25	<0.25	<0.25	none	NA	NA
Silver	<0.50	<0.50	<0.50	none	NA	NA

Notes:

(a) Consent Order (2002). Appendix D. Tier 1 goals (Tier 2 goals, where applicable, are in parenthesis)

(b) Bureau of Reclamation (2000). Final Remedial Investigation Report, Krejci Dump Site, Cuyahoga Valley National Recreation Area.

(c) USEPA SW-846, Method 1311, Toxicity Characteristic Leaching Procedure

(d) Not analyzed.