

**STL Burlington
Colchester, Vermont**

**Sample Data Summary
Package**

SDG: IDD001

September 22, 2003

Ms. Cathy Bohlke
EA Engineering
12011 Bellevue-Redmond Rd.
Suite 200
Bellevue, WA 98005

Re: Laboratory Project No. 23046
Case No. 23046; SDG: IDD001

Dear Ms. Bohlke:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on July 25, 2003. Laboratory numbers have been assigned and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 07/25/03 ETR No: 95004			
535843	IDOLSTSSD05	07/22/03	Sediment
535844	IDOLPDSSD14	07/22/03	Sediment
535844MS	IDOLPDSSD14MS	07/22/03	Sediment
535844DP	IDOLPDSSD14REP	07/22/03	Sediment
535845	IDOLPDSSD14100	07/22/03	Sediment
535846	IDOLPDPSD13	07/22/03	Sediment
535847	IDOLADPSD12	07/22/03	Sediment
535848	IDOLSTPSD07	07/22/03	Sediment
535849	IDOLSTSSD06	07/22/03	Sediment

Due to reporting software limitations, sample identifications may have been truncated. In most instances only punctuation was removed.

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample login is included in the Sample Handling section of this submittal. Please note that the sample identified as IDOLSTSSD06 was received but not listed on the chain-of-custody form. The laboratory assigned analyses based on information listed on sample containers. Also note that in most instances the chain-of-custody form indicated that three sample containers were received but the laboratory only received two containers which was plenty for the analyses requested.

The analysis for cyanide was performed by STL's North Canton facility, as approved by EA Engineering. STL North Canton assigned "Lot" numbers as samples were received. Though laboratory numbers may differ, the client's sample identifications were maintained. The results for this delivery group including a case narrative prepared by the North Canton laboratory are attached to this report.

This narrative identifies anomalies that occurred during the analyses of samples in this delivery group. If there is no description following regarding a certain methodology requested on the chain-of-custody record, then there were no exceptions to the laboratory quality control criteria noted during that analysis.

Metals by 6010B:

The percent difference between the original determinations and serial dilution determinations for the following metals in sample in sample IDOLPDSSD14 were above the control criteria of ± 10 percent: aluminum, arsenic, barium, cadmium, calcium, iron, lead, magnesium, manganese, nickel, vanadium, and zinc. Matrix interference is suspected and results have been flagged with an "E" accordingly.

The relative percent difference (RPD) between the initial and duplicate analysis of sample IDOLPDSSD14 for cadmium (22.8) was above the established control limit of ± 20 percent. Corresponding sample results have been flagged with a "*" to denote this anomaly.

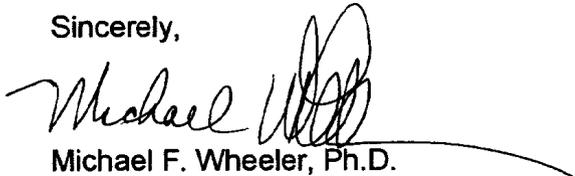
The recoveries of antimony (36.3 percent) and cadmium (133.3 percent) from the laboratory fortified aliquot of sample IDOLPDSSD14 were outside of the laboratory established control limits of 75-125 percent. Sample results have been flagged with an "N" accordingly.

If there are any questions regarding this submittal, please contact Jeannine McCrumb at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0476.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The Laboratory Director or his designee, as verified by the following signature, has authorized the release of the data contained in this hardcopy data package.

Sincerely,



Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure
MFW/jtw/jmm

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Sheet 1 of 2

Report to:

Invoice to:

Company: EA ENGINEERING
Address: 12011 BELLEVUE-REYNOLD RD.
BELLEVUE, WA 98005
Contact: CARY BÖHLKE
Phone: 425-451-7400 x 144
Fax: 425-451-7800
Contract/
Quote: IDOL CITY MINE

Company: SAME
Address:
Contact:
Phone:
Fax:

Lab Use Only

Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5
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Custody Seal N / Y

Intact N / Y

Screened For Radioactivity

Sampler's Name: SAUND T. VOLER

Sampler's Signature: SAUND T. VOLER

Proj. No: 1389.09-0002

Project Name: ID01 CITY MINE

Matrix	Date	Time	C o m p	F a b	Identifying Marks of Sample(s)	No./Type of Containers		A/G 1 Lt.	P/O	ANALYSIS REQUESTED	Remarks
						VOA	A/G 1 Lt.				
	7/24/02	0900			IDDL-BG/RE-PLT-D8-RICE		3	300	1	Grain size TOC-sediment Total TAL metals CN homogenization	
					IDDL-TA-PLT-ID-RICE		3	300	1		
					IDDL-TA-PLT-ID-100-RICE		3	300	1		
					IDDL-TA-PLT-ID-MS-RICE		3	300	1		
					IDDL-WP-PLT-09-RICE		3	300	1		
					IDDL-TA-PLT-11-RICE		3	300	1		
					IDDL-ST-SSD-05		3	300	1		
					IDDL-PD-SSD-14		3	300	1		
					IDDL-PD-SSD-14-1D0		3	300	1		
					IDDL-PD-SSD-14-MS		3	300	1		

Relinquished by: (Signature) SAUND T. VOLER

Date: 7/24/02

Time: 0900

Received by: (Signature)

Date: 7/25/02

Time: 0930

Remarks: Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

Matrix: WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

Container: VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

