

Cindy Anderson
General Services Administration
Denver Federal Center Building 41, Room 240
Lakewood, Colorado 80225

January 12, 2015
Project No. 1940-004

SUBJECT: Drinking Water Sampling Results
IRS Federal Building
173 East 100 North
Provo, Utah 84770

Dear Ms. Anderson:

Pinyon Environmental retained Wasatch Environmental, Inc., (Wasatch) to complete water sampling and analysis for lead and copper in all drinking water outlets as requested by the General Services Administration (GSA). As defined by GSA, a drinking water outlet is a water source intended for drinking water use, including water fountains, classroom sinks, and kitchen sinks. Wasatch visited the IRS Federal Building at 173 East 100 North in Provo, Utah on December 3, 2014, to collect potable water samples from each drinking water outlet in the building, as requested.

Sampling Methods

Water samples were collected from each source as a first-draw collection, following a minimum of six-hours of non-use. Wasatch personnel collected a total of nine water samples from water outlets in the IRS Federal Building.

Samples were collected into laboratory-supplied one-liter containers; no water from the outlet was flushed down the drain before collecting the sample. During the testing cycle, only one sample was collected from each drinking water outlet source. Drinking water samples were submitted to The Utah Public Health Laboratory in Taylorsville, Utah under chain-of-custody procedures for analysis of lead and copper using U.S. Environmental Protection Agency (EPA) Method 200.8.

Results

Two of the nine samples had concentrations of lead in excess of the EPA Maximum Contaminant Level for lead in drinking water of 0.015 mg/L. The MCL is the highest level of a contaminant that is allowed in drinking water, and is an enforceable standard. Copper was not detected at concentrations above the EPA MCL of 1.3 mg/L in any of the samples. Results of those samples approaching the MCL and/or exceeding the MCL are summarized in the table below. Lead was not detected in any of the remaining samples above the MCL. Copies of the laboratory analytical report and chain of custody are attached.

Building	Location	Sample ID	Pb Results (mg/L)
IRS Federal Building	One of two sinks in the back women's bathroom	IRSP-1	0.056024
IRS Federal Building	The sink in the men's public bathroom	IRSP-8	0.018143

Notes:

Pb *Lead*
mg/L *milligrams per liter, or parts per million*

Conclusions and Recommendations

Lead was detected in drinking water samples IRSP-1 and IRSP-8 at concentrations of 0.056024 mg/L and 0.018143 mg/L exceeding the EPA MCL for lead in drinking water of 0.015 mg/L.

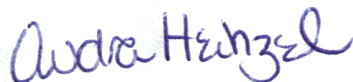
Following GSA Protocol, it is recommended that the faucet/hardware be replaced at the location where exceedences were detected and the water resampled.

Based on the results presented herein, Wasatch has no additional recommendations regarding lead or copper in drinking water for this facility.

It has been a pleasure providing these services to you. If you have any comments regarding this investigation, do not hesitate to call me.

Sincerely,

WASATCH ENVIRONMENTAL, INC.

A handwritten signature in blue ink that reads "Audra Heinzl". The signature is written in a cursive, flowing style.

Audra Heinzl
Environmental Scientist

ATTACHEMENTS

Laboratory Analytical Report
Chain of Custody

Lab Code	Sample Number	Sample Date	Sample Time	Sample Type	Cost Code	Billing Code	Sample Agency	Sample Description	Collector	Sample				Param Number	Param Description	CAS Number	Matrix Number	Matrix Description	Problem Identifier	Result Code	Result Value	Result Units	Batch#	Analysis#	Date						
										Received Date	Method Number	Method Agency	Method ID																		
C	201406901	12/3/2014	6:06	4	901 B		14	IRSP-1 BACK W	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406901	12/3/2014	6:06	4	901 B		14	IRSP-1 BACK W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				129.35	ug/l	201435106	12/16/2014					
C	201406901	12/3/2014	6:06	4	901 B		14	IRSP-1 BACK W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				56.024	ug/l	201435107	12/16/2014					
C	201406902	12/3/2014	6:06	4	901 B		14	IRSP-2 BACK W	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406902	12/3/2014	6:06	4	901 B		14	IRSP-2 BACK W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				93.15	ug/l	201435106	12/16/2014					
C	201406902	12/3/2014	6:06	4	901 B		14	IRSP-2 BACK W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				8.808	ug/l	201435107	12/16/2014					
C	201406903	12/3/2014	6:08	4	901 B		14	IRSP-3 BACK M	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406903	12/3/2014	6:08	4	901 B		14	IRSP-3 BACK M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				99.858	ug/l	201435106	12/16/2014					
C	201406903	12/3/2014	6:08	4	901 B		14	IRSP-3 BACK M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				9.686	ug/l	201435107	12/16/2014					
C	201406904	12/3/2014	6:08	4	901 B		14	IRSP-4 BACK M	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406904	12/3/2014	6:08	4	901 B		14	IRSP-4 BACK M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				73.129	ug/l	201435106	12/16/2014					
C	201406904	12/3/2014	6:08	4	901 B		14	IRSP-4 BACK M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				4.434	ug/l	201435107	12/16/2014					
C	201406905	12/3/2014	6:10	4	901 B		14	IRSP-5 BACK DF-1	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406905	12/3/2014	6:10	4	901 B		14	IRSP-5 BACK DF-1	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				180.13	ug/l	201435109	12/17/2014					
C	201406905	12/3/2014	6:10	4	901 B		14	IRSP-5 BACK DF-1	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				4.962	ug/l	201435110	12/17/2014					
C	201406906	12/3/2014	6:10	4	901 B		14	IRSP-6 BACK DF-2	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406906	12/3/2014	6:10	4	901 B		14	IRSP-6 BACK DF-2	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				97.195	ug/l	201435106	12/16/2014					
C	201406906	12/3/2014	6:10	4	901 B		14	IRSP-6 BACK DF-2	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				3.534	ug/l	201435107	12/16/2014					
C	201406907	12/3/2014	6:12	4	901 B		14	IRSP-7 FRONT W	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406907	12/3/2014	6:12	4	901 B		14	IRSP-7 FRONT W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				92.807	ug/l	201435106	12/16/2014					
C	201406907	12/3/2014	6:12	4	901 B		14	IRSP-7 FRONT W	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				5.992	ug/l	201435107	12/16/2014					
C	201406908	12/3/2014	6:12	4	901 B		14	IRSP-8 FRONT M	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406908	12/3/2014	6:12	4	901 B		14	IRSP-8 FRONT M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				143.37	ug/l	201435106	12/16/2014					
C	201406908	12/3/2014	6:12	4	901 B		14	IRSP-8 FRONT M	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				18.143	ug/l	201435107	12/16/2014					
C	201406909	12/3/2014	6:13	4	901 B		14	IRSP-9 KITCH	AH	12/5/2014	9	EPA	180.1	Turbidity (Nephelometric)	446	Turbidity (for metals testing)		6	Water	<	U			ntu							
C	201406909	12/3/2014	6:13	4	901 B		14	IRSP-9 KITCH	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	35	Copper	7440-50-8	3	Water, Total				132.06	ug/l	201435106	12/16/2014					
C	201406909	12/3/2014	6:13	4	901 B		14	IRSP-9 KITCH	AH	12/5/2014	11	EPA	200.8	ICP/MS for Water	37	Lead	7439-92-1	3	Water, Total				9.285	ug/l	201435107	12/16/2014					



UTAH DEPARTMENT OF HEALTH

Unified State Laboratories: Public Health
Bureau of Chemical and Environmental Services

4431 S 2700 W Taylorsville, UT 84129-8600 801 965 2400 Fax 801 969 3238 http://health.utah.gov/lab/chemistry

Please fill out this form using block letters and with a black or blue pen.

Do not attach this form to the sample.

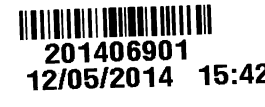
If your information has changed, please attach a customer update form.

System/Agency Name: **WASATCH ENVIRONMENTAL** Customer Number: **WT1404** Public Water System: **UTAH** Cost/Project Code: **901B**

- State Drinking Water Compliance Samples
- Private Investigative Samples
- Matrix: Drinking Water, Other Water, Soil/Sludge

#1 Facility ID: [] Sampling Point ID: **IRSP-1** Collector's Comments: []
Collection Point Description: **BACK**
Collection Point Description (Cont.): []

Bottle: **pbcu** Qty: **1** Temperature: **14** pH: **8**
Collector's Initials: [] Collection Date: **12 3 20 14** Collection Time: **6:02** Chlorine Residual ppm: []
M M D D Y Y Y Y 24 Hour Clock



#2 Facility ID: [] Sampling Point ID: **IRSP-2** Collector's Comments: []
Collection Point Description: **BACK**
Collection Point Description (Cont.): []

Bottle: **pbcu** Qty: **1** Temperature: **15** pH: **4**
Collector's Initials: [] Collection Date: **12 3 20 14** Collection Time: **6:02** Chlorine Residual ppm: []
M M D D Y Y Y Y 24 Hour Clock



#3 Facility ID: [] Sampling Point ID: **IRSP-3** Collector's Comments: []
Collection Point Description: **BACK**
Collection Point Description (Cont.): []

Bottle: **pbcu** Qty: **1** Temperature: **14** pH: **7**
Collector's Initials: [] Collection Date: **12 3 20 14** Collection Time: **6:02** Chlorine Residual ppm: []
M M D D Y Y Y Y 24 Hour Clock



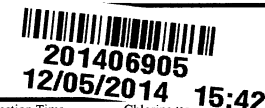
#4 Facility ID: [] Sampling Point ID: **IRSP-4** Collector's Comments: []
Collection Point Description: **BACK**
Collection Point Description (Cont.): []

Bottle: **pbcu** Qty: **1** Temperature: **15** pH: **5**
Collector's Initials: [] Collection Date: **12 3 20 14** Collection Time: **6:02** Chlorine Residual ppm: []
M M D D Y Y Y Y 24 Hour Clock



#5 Facility ID: [] Sampling Point ID: **IRSP-5** Collector's Comments: []
Collection Point Description: **BACK DF-1**
Collection Point Description (Cont.): []

Bottle: **pbcu** Qty: **1** Temperature: **14** pH: **8**
Collector's Initials: [] Collection Date: **12 3 20 14** Collection Time: **6:10** Chlorine Residual ppm: []
M M D D Y Y Y Y 24 Hour Clock



LAB USE SECTION

Sample Receipt Conditions

- Documentation complete: Yes No
- Proper containers and in-date: Yes No
- Containers intact: Yes No
- Within holding time: Yes No
- Coolant: Yes No
- Temperature within-range: Yes No N/A
- Acceptable pH: Yes No N/A
- Acceptable mem: Yes No N/A
- Hand Delivered: Yes No Shipped Samples

REQUESTED TESTS

Lead and Copper (Type 8)

#1	<input type="checkbox"/>	#1	<input type="checkbox"/>	#1	<input type="checkbox"/>	#1	<input type="checkbox"/>
#2	<input type="checkbox"/>	#2	<input type="checkbox"/>	#2	<input type="checkbox"/>	#2	<input type="checkbox"/>
#3	<input type="checkbox"/>	#3	<input type="checkbox"/>	#3	<input type="checkbox"/>	#3	<input type="checkbox"/>
#4	<input type="checkbox"/>	#4	<input type="checkbox"/>	#4	<input type="checkbox"/>	#4	<input type="checkbox"/>
#5	<input type="checkbox"/>	#5	<input type="checkbox"/>	#5	<input type="checkbox"/>	#5	<input type="checkbox"/>

Dispatched By:	Date: [] [] [] [] Time: [] []	Courier Company Name:	Invoice/Air bill #:
Relinquished By:	Date: 12 5 14 Time: [] []	Received by:	Date: [] [] [] [] Time: [] []
Relinquished to USL:PH By:	Date: [] [] [] [] Time: [] []	Received at USL:PH by:	Date: [] [] [] [] Time: [] []



UTAH DEPARTMENT OF

HEALTH

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Please fill out this form using block letters and with a black or blue pen.

Do not attach this form to the sample.

If your information has changed, please attach a customer update form.

System/Agency Name: **WASATCH ENVIRONMENTAL**
 Customer Number: **WT1404**
 Public Water System: **UTAH**
 Cost/Project Code: **901B**

- State Drinking Water Compliance Samples
 Private Investigative Samples
 Matrix
 Drinking Water
 Other Water
 Soil/Sludge

#1 Facility ID: [] Sampling Point ID: **IRSP-6**
 Collector's Comments: []
 Collection Point Description: **BAU DF-2**
 Collection Point Description (Cont.): **Sample just under 50% volume**

Bottle: **PBCU** Qty: **1** Temperature: **13.7** pH: []
 Collector's Initials: [] Collection Date: **12/3/2014** Collection Time: **6:10** Chlorine Residual ppm: []
 M M D D Y Y Y Y 24 Hour Clock



#2 Facility ID: [] Sampling Point ID: **IRSP-7**
 Collector's Comments: []
 Collection Point Description: **FLOAT W**
 Collection Point Description (Cont.): []

Bottle: **PBCU** Qty: **1** Temperature: **12.0** pH: []
 Collector's Initials: [] Collection Date: **12/3/2014** Collection Time: **6:12** Chlorine Residual ppm: []
 M M D D Y Y Y Y 24 Hour Clock



#3 Facility ID: [] Sampling Point ID: **IRSP-8**
 Collector's Comments: []
 Collection Point Description: **FLOAT M**
 Collection Point Description (Cont.): []

Bottle: **PBCU** Qty: **1** Temperature: **14.8** pH: []
 Collector's Initials: [] Collection Date: **12/3/2014** Collection Time: **6:12** Chlorine Residual ppm: []
 M M D D Y Y Y Y 24 Hour Clock



#4 Facility ID: [] Sampling Point ID: **IRSP-9**
 Collector's Comments: []
 Collection Point Description: **KITIN**
 Collection Point Description (Cont.): []

Bottle: **PBCU** Qty: **1** Temperature: **15.4** pH: []
 Collector's Initials: [] Collection Date: **12/3/2014** Collection Time: **6:13** Chlorine Residual ppm: []
 M M D D Y Y Y Y 24 Hour Clock



#5 Facility ID: [] Sampling Point ID: []
 Collector's Comments: []
 Collection Point Description: []
 Collection Point Description (Cont.): []

Bottle: [] Qty: [] Temperature: [] pH: []
 Collector's Initials: [] Collection Date: **12/3/2014** Collection Time: [] Chlorine Residual ppm: []
 M M D D Y Y Y Y 24 Hour Clock

LAB NUMBER

LAB USE SECTION

Sample Receipt Conditions

- Documentation complete
 Yes No
 Proper containers and in-date
 Yes No
 Containers intact
 Yes No
 Within holding time
 Yes No
 Coolant
 Yes No
 Temperature within-range
 Yes No N/A
 Acceptable pH
 Yes No N/A
 Acceptable memm
 Yes No N/A

- Hand Delivered
 Shipped Samples

REQUESTED TESTS

Lead and Copper (Type 8)	#1	<input type="checkbox"/>	#1	<input type="checkbox"/>	#1	<input type="checkbox"/>
	#2	<input type="checkbox"/>	#2	<input type="checkbox"/>	#2	<input type="checkbox"/>
	#3	<input type="checkbox"/>	#3	<input type="checkbox"/>	#3	<input type="checkbox"/>
	#4	<input type="checkbox"/>	#4	<input type="checkbox"/>	#4	<input type="checkbox"/>
	#5	<input type="checkbox"/>	#5	<input type="checkbox"/>	#5	<input type="checkbox"/>

M M D D Y Y

Dispatched By:	Date: [] [] [] [] Time: [] []	Courier Company Name:	Invoice/Air bill #:
Relinquished By:	Date: [] [] [] [] Time: [] []	Received by:	Date: [] [] [] [] Time: [] []
Relinquished to USL:PH By: <i>Cynthia Hedberg</i>	Date: [] [] [] [] Time: [] []	Received at USL:PH by:	Date: [] [] [] [] Time: [] []