

APPENDIX F LEAD AND COPPER CONSUMER NOTICE AND CERTIFICATION FORMS

PWS Name: Campus Water Supply

PWSID#: 8503528

LEAD & COPPER CONSUMER NOTICE ANALYTICAL RESULTS FOR LEAD & COPPER TAP WATER MONITORING

Our public water supply system is required to periodically collect tap water samples to determine the lead and copper levels in our system. Your residence was selected for this monitoring as part of our system's sampling plan. This notice is provided to you with the analytical results of the tap water sample collected at your building as well as all of the other samples collected across campus.

See attached **Exhibit A: Lead 90th Percentile Report List.**

See attached **Exhibit B: Lead 90th Percentile Report List.**

Definitions

Action Level (AL): The action level is a concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a public water supply system must follow. The lead action level is 0.015 mg/L. The copper action level is 1.3 mg/L.

Maximum Contaminant Level Goal (MCLG): The maximum contaminant level goal is the level of a contaminant in drinking water below which there is no known or expected risk to health. The MCLG allows for a margin of safety. The lead MCLG is zero. The copper MCLG is 1.3 mg/L.

What are the health effects of lead and how can I reduce my exposure?

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Iowa State University Campus Water Supply is responsible for providing drinking water that meets all federal and state standards, but cannot control the variety of materials used in plumbing components.

When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water and using only cold water for drinking or cooking. Information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

When replacing your bathroom or kitchen faucet, consider a "lead-free" faucet that meets NSF/ANSI Standard 61 Annex G (California), which is less than 0.25% lead by weight.

What are the health effects of copper and how can I reduce my exposure?

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short period of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor. Flushing your tap before using the water as previously described will also reduce copper levels.

Who can I contact at my water system for more information?

Phone number at our public water supply system: 515-294-8751

E-mail address at our public water supply system: mimurray@iastate.edu

Lead 90th Percentile Report

Report To

Mike Murray
Iowa State University-FP&M
General Services Bldg.
Ames, IA 50011-4001

August 29, 2018

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Analyte: Lead, total


Project: Lead & Copper
PWS ID: 8503528-

Received	LabNumber	Sample Location	Date/Time Collected	Order	%	Result
8/15/2018	IH81384-02	AGRONOMY ADDITION	08/15/2018 0800	1	3.1	<0.0010 mg/L
8/15/2018	IH81384-14	MOLECULAR BIOLOGY	08/15/2018 0735	2	6.3	<0.0010 mg/L
8/15/2018	IH81384-13	MEMORIAL UNION	08/15/2018 0605	3	9.4	<0.0010 mg/L
8/15/2018	IH81384-12	MEAT LAB LAF ADDITIC	08/15/2018 0536	4	12.5	<0.0010 mg/L
8/15/2018	IH81384-11	LEBARON HALL ADDITI	08/15/2018 0815	5	15.6	<0.0010 mg/L
8/15/2018	IH81384-16	PARKS LIBRARY ADDITI	08/15/2018 0825	6	18.8	<0.0010 mg/L
8/15/2018	IH81384-17	PRINTING ADDITION	08/15/2018 0855	7	21.9	<0.0010 mg/L
8/15/2018	IH81384-08	DURHAM CENTER	08/15/2018 0500	8	25.0	<0.0010 mg/L
8/15/2018	IH81384-07	FOOD SERVICES	08/15/2018 0805	9	28.1	<0.0010 mg/L
8/15/2018	IH81384-06	BESSY HALL	08/15/2018 0528	10	31.3	<0.0010 mg/L
8/15/2018	IH81384-05	BLACK ENGINEERING	08/15/2018 0640	11	34.4	<0.0010 mg/L
8/15/2018	IH81384-04	BEARDSHEAR HALL	08/15/2018 0000	12	37.5	<0.0010 mg/L
8/15/2018	IH81384-03	ENROLLMENT SERVICE:	08/15/2018 0625	13	40.6	<0.0010 mg/L
8/15/2018	IH81384-26	SCHILLETER VILLAGE #	08/15/2018 0845	14	43.8	<0.0010 mg/L
8/15/2018	IH81384-31	WEST POINT SOURCE	08/15/2018 0900	15	46.9	<0.0010 mg/L
8/15/2018	IH81384-30	EATON HALL	08/15/2018 0445	16	50.0	<0.0010 mg/L
8/15/2018	IH81384-28	SPEDDING HALL	08/15/2018 0750	17	53.1	<0.0010 mg/L
8/15/2018	IH81384-27	SCIENCE I	08/15/2018 0515	18	56.3	<0.0010 mg/L
8/15/2018	IH81384-15	TOWN ENGINEERING	08/15/2018 0650	19	59.4	<0.0010 mg/L
8/15/2018	IH81384-21	FRILEY HALL	08/15/2018 0635	20	62.5	<0.0010 mg/L
8/15/2018	IH81384-25	SCHILLETER VILLAGE #	08/15/2018 0840	21	65.6	<0.0010 mg/L
8/15/2018	IH81384-24	SCHILLETER VILLAGE #	08/15/2018 0835	22	68.8	<0.0010 mg/L
8/15/2018	IH81384-22	LINDEN HALL	08/15/2018 0434	23	71.9	<0.0010 mg/L
8/15/2018	IH81384-19	BIRCH HALL	08/15/2018 0710	24	75.0	<0.0010 mg/L
8/15/2018	IH81384-20	ELM HALL	08/15/2018 0428	25	78.1	<0.0010 mg/L

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Received	LabNumber	Sample Location	Date/Time Collected	Order	%	Result
8/15/2018	1H81384-18	LIED RECREATIONAL	08/15/2018 0700	26	81.3	<0.0010 mg/L
8/15/2018	1H81384-23	MAPLE HALL	08/15/2018 0715	27	84.4	<0.0010 mg/L
8/15/2018	1H81384-32	EAST POINT SOURCE	08/15/2018 0915	28	87.5	0.0013 mg/L
8/15/2018	1H81384-09	GILMAN ADDITION II	08/15/2018 0510	29	90.6	0.0015 mg/L
8/15/2018	1H81384-10	HORTICULTURE ADDITI	08/15/2018 0520	30	93.8	0.0015 mg/L
8/15/2018	1H81384-01	AGRONOMY GREENHOU	08/15/2018 0930	31	96.9	0.0046 mg/L
8/15/2018	1H81384-29	FIREMANSHIP TRAININ	08/15/2018 0725	32	100.0	0.0086 mg/L

End of Lead, total Report



Keystone Laboratories, Inc.
Sue Thompson
Project Manager II

Copper 90th Percentile Report

Report To

Mike Murray
 Iowa State University-FP&M
 General Services Bldg.
 Ames, IA 50011-4001

August 29, 2018

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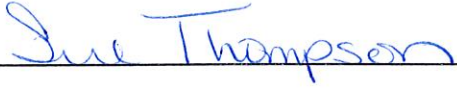
Analyte: Copper, total

Project: Lead & Copper
 PWS ID:8503528-

Received	LabNumber	Sample Description	Date/Time Collected	Order	%	Result
8/15/2018	IH81384-31	WEST POINT SOURCE	08/15/2018 0900	1	3.1	<0.0025 mg/L
8/15/2018	IH81384-26	SCHILLETER VILLAGE #	08/15/2018 0845	2	6.3	<0.0025 mg/L
8/15/2018	IH81384-32	EAST POINT SOURCE	08/15/2018 0915	3	9.4	<0.0025 mg/L
8/15/2018	IH81384-04	BEARDSHEAR HALL	08/15/2018 0000	4	12.5	0.0037 mg/L
8/15/2018	IH81384-25	SCHILLETER VILLAGE #	08/15/2018 0840	5	15.6	0.0046 mg/L
8/15/2018	IH81384-24	SCHILLETER VILLAGE #	08/15/2018 0835	6	18.8	0.0083 mg/L
8/15/2018	IH81384-02	AGRONOMY ADDITION	08/15/2018 0800	7	21.9	0.0138 mg/L
8/15/2018	IH81384-03	ENROLLMENT SERVICE	08/15/2018 0625	8	25.0	0.0152 mg/L
8/15/2018	IH81384-27	SCIENCE I	08/15/2018 0515	9	28.1	0.0165 mg/L
8/15/2018	IH81384-13	MEMORIAL UNION	08/15/2018 0605	10	31.3	0.0169 mg/L
8/15/2018	IH81384-08	DURHAM CENTER	08/15/2018 0500	11	34.4	0.0169 mg/L
8/15/2018	IH81384-12	MEAT LAB LAF ADDITIC	08/15/2018 0536	12	37.5	0.0174 mg/L
8/15/2018	IH81384-16	PARKS LIBRARY ADDITI	08/15/2018 0825	13	40.6	0.0185 mg/L
8/15/2018	IH81384-06	BESSY HALL	08/15/2018 0528	14	43.8	0.0196 mg/L
8/15/2018	IH81384-10	HORTICULTURE ADDITI	08/15/2018 0520	15	46.9	0.0211 mg/L
8/15/2018	IH81384-30	EATON HALL	08/15/2018 0445	16	50.0	0.0213 mg/L
8/15/2018	IH81384-09	GILMAN ADDITION II	08/15/2018 0510	17	53.1	0.0247 mg/L
8/15/2018	IH81384-29	FIREMANSHIP TRAINING	08/15/2018 0725	18	56.3	0.0266 mg/L
8/15/2018	IH81384-07	FOOD SERVICES	08/15/2018 0805	19	59.4	0.0339 mg/L
8/15/2018	IH81384-18	LIED RECREATIONAL	08/15/2018 0700	20	62.5	0.0399 mg/L
8/15/2018	IH81384-05	BLACK ENGINEERING	08/15/2018 0640	21	65.6	0.0413 mg/L
8/15/2018	IH81384-14	MOLECULAR BIOLOGY	08/15/2018 0735	22	68.8	0.0445 mg/L
8/15/2018	IH81384-28	SPEEDING HALL	08/15/2018 0750	23	71.9	0.0455 mg/L
8/15/2018	IH81384-22	LINDEN HALL	08/15/2018 0434	24	75.0	0.0455 mg/L
8/15/2018	IH81384-11	LEBARON HALL ADDITI	08/15/2018 0815	25	78.1	0.0554 mg/L
8/15/2018	IH81384-21	FRILEY HALL	08/15/2018 0635	26	81.3	0.0612 mg/L

Received	LabNumber	Sample Description	Date/Time Collected	Order	%	Result
8/15/2018	IH81384-17	PRINTING ADDITION	08/15/2018 0855	27	84.4	0.0701 mg/L
8/15/2018	IH81384-23	MAPLE HALL	08/15/2018 0715	28	87.5	0.0708 mg/L
8/15/2018	IH81384-01	AGRONOMY GREENHOU	08/15/2018 0930	29	90.6	0.0739 mg/L
8/15/2018	IH81384-15	TOWN ENGINEERING	08/15/2018 0650	30	93.8	0.0767 mg/L
8/15/2018	IH81384-20	ELM HALL	08/15/2018 0428	31	96.9	0.104 mg/L
8/15/2018	IH81384-19	BIRCH HALL	08/15/2018 0710	32	100.0	0.117 mg/L

End of Copper, total Report



Keystone Laboratories, Inc.
Sue Thompson
Project Manager II