



## SOCIAL SECURITY

### MEMORANDUM

Date: 08/07/08

To: Office Manager  
Social Security Administration

From: Rick Prieto  
SSA Facilities Team Dallas, TX

Subject: Initial Lead and Copper in Water Testing for the Hugo, OK. SSA Field Office

Attached please find the information on the initial lead and copper in water testing for the SSA Office located at 2400 East Jackson Street, Hugo, OK 74743. No elevated lead and/or copper levels were reported. All sample results were found to be well below the EPA Action Level for lead and copper. As a result, no further investigation or follow up sampling is required.

If you have any questions, please call at 214-767-3104 in Management and Operations Support.

Thank You

Rick Prieto

JUL 03 2000

S1RG3

TO: Ricardo Prieto, VI  
Social Security Administration

SUBJECT: Water Sampling Report—INFORMATION

Attached is the report from the water sampling that was conducted in the Hugo Field Office (SSA#789). The Hugo Field Office is located at 2400 East Jackson Street, Hugo, TX 74743. We have reviewed the report and concur with the findings and recommendations. All lead and copper levels were reported as acceptable. Thus, no further investigation or follow-up sampling is required.

Please forward a copy of the report to your regional GSA office, the appropriate Field Office Manager and your Regional Labor Management Representative for distribution to the Local Union Health and Safety Representative. If you have any questions or need additional information, please contact Danielle on 410-594-2335 or Denise on 410-965-7056. If you have any other environmental concerns, please contact our **Environmental Hotline** on 410-966-7026.



Danielle Tucker  
Office of Environmental Health  
and Occupational Safety, OEHOS



Denise Copperthite  
Office of Environmental Health  
and Occupational Safety, OEHOS

Attachment: Hugo FO (SSA #789/GSA #OK1481)

cc:

Selena Gibson, SSA, LMR (cover only)  
Steve Lindsey, PHS, DFOH (cover only)  
Frances Forster, PHS, DFOH



# FOH

**Federal Occupational Health**  
a component of the US Public Health Service



## **LEAD AND COPPER IN WATER TESTING**

**SOCIAL SECURITY ADMINISTRATION  
OFFICE OF ENVIRONMENTAL HEALTH AND OCCUPATIONAL SAFETY  
6401 SECURITY BLVD  
BALTIMORE, MD 21235-6401**

**HUGO FIELD OFFICE  
SOCIAL SECURITY ADMINISTRATION  
2400 EAST JACKSON STREET  
HUGO, OK 74743**

**SOCIAL SECURITY ADMINISTRATION CODE 789  
GSA BUILDING NUMBER OK1481**

**Survey Date:**

**MAY 16, 2008**

**Prepared by:**

**UNITED STATES PUBLIC HEALTH SERVICE  
FEDERAL OCCUPATIONAL HEALTH SERVICE  
DALLAS AREA OFFICE  
1301 YOUNG STREET, SUITE 772  
DALLAS, TX 75202**

## EXECUTIVE SUMMARY

On May 16, 2008, the U.S. Public Health Service (USPHS), Federal Occupational Health Service (FOHS), Environmental Health Program conducted initial lead and copper testing of drinking water at the Hugo Field Office (Social Security Administration Code 789, GSA building number OK1481) located at 2400 east Jackson Street in Hugo, OK 74743. The purpose of the testing was to determine lead and copper content in water collected from all sources of water used exclusively by SSA personnel for drinking inside the office.

The U.S. Public Health Service (USPHS) Federal Occupational Health Service (FOHS) Program received a task order request to conduct copper and lead water testing in drinking water from the Social Security Administration Office of Environmental Health and Occupational Safety (OEHS) located in Baltimore, Maryland. The assistance and cooperation received from all local SSA personnel was sincerely appreciated.

A total of five drinking water sources were identified, which included the upper and lower drinking fountains in the Lobby, upper and lower drinking fountains in the Open Work Area and the sink faucet located in the Multi-purpose Room. Copper testing results for the samples collected at the identified sources ranged from 0.027 to 0.144 parts per million (ppm). Lead testing results for the samples collected at the identified sources ranged from <0.100 to 1.53 parts per billion (ppb). The concentration of copper and lead identified in the sample was well below the Environmental Protection Agency (EPA) Action Level of 1.3 parts per million (ppm) set for copper and 15 parts per billion (ppb) established for lead. As a result of the sample results, no further investigation or sampling is warranted at this time.

## **INTRODUCTION**

The Social Security Administration (SSA) is conducting water testing in SSA field offices throughout the United States to determine potential adult exposure to lead and copper in drinking water. Whereas copper is considered as a nutritionally essential element in low doses, lead is not a nutritional element. Lead causes both acute and chronic adverse health effects. Copper can cause acute gastrointestinal disturbances as well as have chronic adverse health effects in high doses. Both lead and copper are regulated by the Environmental Protection Agency (EPA) under the authority of the Safe Drinking Water Act of 1974 (amended 1986). The SSA testing program is similar to EPA's Lead and Copper Rule (June 7, 1991) in that SSA requires corrective measures (interim or permanent) if either the lead action level of 15 parts per billion (ppb) or the copper action level of 1.3 parts per million (ppm) is exceeded.

## **METHOD OF SURVEY**

The water was sampled using EPA's suggested sampling procedures. On May 15, 2008 at approximately 1700 hours, the designated drinking water-dispensing outlets were flushed for a 1-minute period and then a plastic covering was placed over the outlets to prevent use. A sign was posted on the outlets indicating that the outlets were temporarily out of service due to testing. On the morning of May 16, 2008 at approximately 0700 hours, the taps were opened and water was collected immediately in a one-liter plastic bottle, which was preserved with nitric acid upon receipt at the lab. The water samples were submitted to the Federal Occupational Health Environmental Reference Laboratory in Chicago, Illinois. The copper samples were analyzed in accordance with EPA Method S/M 3111B using a Varian SpectrAA 600 Flame atomic absorption spectrophotometer. The lead samples were analyzed in accordance with EPA Method 200.9 using a Varian SpectrAA 800-graphite furnace spectrophotometer.

## **RESULTS**

The copper and lead testing results from each drinking water outlet inside the Hugo Field Office are as follows:

- The water sample collected from the Upper drinking fountain in the Lobby had a copper level of 0.046 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the Lower drinking fountain in the Lobby had a copper level of 0.082 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the Upper drinking fountain in the Open Work Area had a copper level of 0.144 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the Lower drinking fountain in the Open Work Area had a copper level of 0.102 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the sink faucet in the Multi-purpose Room had a copper level of 0.027 parts per million (ppm) and a lead concentration 1.53 parts per billion (ppb).

The Environmental Protection Agency (EPA) has established an Action Level of 1.3 parts per million (ppm) for copper and 15 parts per billion (ppb) for lead. All sample results were found well below the EPA Action Level for lead and copper.

## **RECOMMENDATIONS**

As a result of the sample analysis findings, no further investigation or follow-up sampling is required.

**TABLE 1**  
**WATER TESTING RESULTS (LEAD)**  
 Hugo Field Office (789)  
 2400 East Jackson Street  
 Hugo, OK 74743

SAMPLE	LOCATION / MANUFACTURER	LEAD RESULTS	EPA ACTION LEVEL (LEAD)
06-0789-W001	Upper Drinking Fountain in Lobby Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050427929	<1.00	15 ppb
06-0789-W002	Lower Drinking Fountain in Lobby Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050427929	<1.00	15 ppb
06-0789-W003	Upper Drinking Fountain in the Open Work Area Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050623246	<1.00	15 ppb
06-0789-W004	Lower Drinking Fountain in the Open Work Area Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050623246	<1.00	15 ppb
06-0789-W005	Multi-purpose Room Sink Faucet Manufacturer: Delta Model #: N/A Serial #: N/A	1.53	15 ppb

ppb - parts per billion

**TABLE 2**  
**WATER TESTING RESULTS (COPPER)**  
Hugo Field Office (789)  
2400 East Jackson Street  
Hugo, OK 74743

SAMPLE	LOCATION / MANUFACTURER	COPPER RESULTS	EPA ACTION LEVEL (COPPER)
06-0789-W001	Upper Drinking Fountain in Lobby Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050427929	0.046	1.3 ppm
06-0789-W002	Lower Drinking Fountain in Lobby Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050427929	0.082	1.3 ppm
06-0789-W003	Upper Drinking Fountain in the Open Work Area Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050623246	0.144	1.3 ppm
06-0789-W004	Lower Drinking Fountain in the Open Work Area Manufacturer: Elkay Model #: EZFSTL8-1B Serial #: 050623246	0.102	1.3 ppm
06-0789-W005	Multi-purpose Room Sink Faucet Manufacturer: Delta Model #: N/A Serial #: N/A	0.027	1.3 ppm

ppm - parts per million

**APPENDIX A**

**FOHS ENVIRONMENTAL LABORATORY  
ANALYTICAL REPORT**



## FOH ENVIRONMENTAL LABORATORY

536 S. CLARK STREET CHICAGO, IL 60605 PHONE: (312) 886-0413 FAX: (312) 886-0434

### ANALYTICAL REPORT

Submitted To: USPHS/Federal Occupational Health  
1301 Young Street, Suite 772  
Dallas, TX 75202

Attention: Mr. Scott Fontenarosa

Submitted By: Ms. Edna A. Bautista

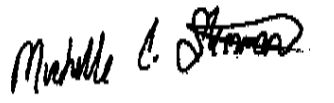
**Reference Data:** Lead and Copper  
Sampling Site: SSA: Hugo, OK  
Sample Type: Water  
Method Reference: EPA 200.9 and S/M 31.11B, respectively  
Project ID: Project 8423  
DFOH Lab Nos.: TM-08-34704 through TM-08-34708  
Date Received: 05/20/2008  
Date Analyzed: 05/28/2008  
Date Issued: 05/28/2008

The water samples were preserved with concentrated nitric acid. The lead analyses were performed using a Perkin Elmer 600 graphite furnace spectrophotometer (GFAAS). The copper analyses were performed using a Perkin Elmer 200 Flame atomic absorption spectrometer (AAS).

S/M indicates that the method is from *Standard Methods for the Examination of Water and Wastewater*.

Analytical results are given in the enclosed table. If you have any questions about these results, feel free to phone the Laboratory at (312) 886-0413.

  
Ms. Edna Bautista  
Analyst

  
Ms. Michelle C. Stemmons  
Laboratory Director



# FOH ENVIRONMENTAL LABORATORY

536 S. CLARK STREET CHICAGO, IL 60605 PHONE: (312) 886-0413 FAX: (312) 886-0434

## LEAD & COPPER in WATER RESULTS

SAMPLE NUMBER*	LABORATORY NUMBER	COPPER CONCENTRATION (ppm)	LEAD CONCENTRATION (ppb)
06-0789-W001A	TM-08-34704	0.046	< 1.00
06-0789-W002A	TM-08-34705	0.082	< 1.00
06-0789-W003A	TM-08-34706	0.144	< 1.00
06-0789-W004A	TM-08-34707	0.102	< 1.00
06-0789-W005A	TM-08-34708	0.027	1.53

\*All samples received in condition acceptable for analysis.

\*\*Indicates that the samples are at or above the Action Level as established by the Environmental Protection Agency (EPA).

ANALYTE	ACTION LEVEL	METHOD DETECTION LIMIT (MDL)	METHOD
Lead	15 ppb	1.00 ppb	EPA 200.9
Copper	1.3 ppm	0.020 ppm	SM 3111B

  
Ms. Edna Bautista  
Analyst

**US PUBLIC HEALTH SERVICE, FEDERAL OCCUPATIONAL HEALTH CHAIN-OF-CUSTODY / FIELD DATA SHEET**

Environmental Laboratory 536 S. Clark Street South, Suite 714 Chicago, IL 60605-1521 Tel: (312)-886-0413 Fax: (312)-886-0434 Attn: Michelle Stemmons		For Lab Use Only Project / Report #: <b>8423</b> Due Date: <b>5/20/08</b> Samples Received <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (circle one)		Conditions on Receipt with Name & Date _____ _____	
Agreement No.: <b>A115852</b> Statement of Work No.: <b>S115856</b>		Container Types: P-Plastic, G-Glass, V-VOC Preservatives: A-None, B-H <sub>2</sub> SO <sub>4</sub> , C-HNO <sub>3</sub> , D-NaOH		STD- Standard R- Rush® 2D- Two Day Rush® ND- Next Day Rush® SD- Same Day Rush® WH- Weekend/Holiday*	
Project No.: <b>P133929</b> Agency/Project: <b>SSA</b> Name: <b>Hugo SSA</b> Location: <b>2400 East Jackson</b> (City, State): <b>Hugo, OK</b>		Air Flow (LPM) Time (Min.)		Water Volume (Liters) Code <sup>3</sup>	
Sample Location / Description <b>Upper Fountain Public</b> <b>Lower Fountain Public</b> <b>Upper Fountain Employee</b> <b>Lower Fountain Employee</b> <b>Sink Kitchen</b>		Wipe Area (ft <sup>2</sup> ) Volume (Liters)		Turn Around Time*	
ID # <b>06-07896004</b> <b>06-07896002A</b> <b>06-07896003A</b> <b>06-07896004A</b> <b>06-07896005A</b>		Sample Collected Date <b>05-16-08 7:30</b> <b>05-16-08 7:33</b> <b>05-16-08 7:36</b> <b>05-16-08 7:40</b> <b>05-16-08 7:48</b>		Lab ID # <b>TM08-34704</b> <b>34705</b> <b>34706</b> <b>34707</b> <b>34708</b>	
Sample Type Codes 1-Air 2-Water 3-Paint 4-Soil 9-Dust 6-Bulk 7-Wipe 8-Contact Plate 9-Tape 10-Spore Trap (Zefon & others) 11-Other		Sample Media Codes 1-Charcoal 2-XAD 3-Matched Weight 4-Preweighed 5-MEA 6-OCA 7-R2ATSA 8-Air-O-Cell Cassette 9-MCE Cassette (0.45) 10-MCE Cassette (0.8) 11-MCE Filter 12-Other		Date & Time <b>5/20/08 10PM</b>	
Signature: <i>[Signature]</i>		Date: <b>05-19-08</b>		Received By: <i>[Signature]</i>	

\* Applied to non-viable microbiological samples only. ® Applied to asbestos samples, SD: 2-hour PLM/PCM, 6-hour TEM; ND: 24-hour; R: 3-5 business days.