



SOCIAL SECURITY

MEMORANDUM

Date: 02/06/08

To: Lollie Driulini
Social Security Administration

From: Rick Prieto
SSA Facilities Team Dallas, TX

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

Attached please find the information on the initial lead and copper in water testing for the SSA Office located at 902 South George Nigh Expressway, McAlester, OK 74501. 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

S1RG3

JAN 23 2008 ✓

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 McAlester FO (SSA#793) on July 25, 2007. The McAlester FO is located at 902 South George Nigh Expressway, McAlester, TX 74501. 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 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:

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**

**McALESTER FIELD OFFICE
SOCIAL SECURITY ADMINISTRATION
902 SOUTH GEORGE NIGH
McALESTER, OK 74501**

SOCIAL SECURITY ADMINISTRATION CODE 793

Survey Date:

JULY 25, 2007

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 July 24, 2007, 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 McAlester Field Office (Social Security Administration Code 793) located at 902 South George Nigh, McAlester, OK 74051. 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 (OEHOS) located in Baltimore, Maryland. The assistance and cooperation received from all local SSA personnel was sincerely appreciated.

A total of three drinking water sources were identified, which included drinking fountain located in the reception room outside public restroom, drinking fountain located in the workroom outside employee restroom, and sink located in the kitchen. Copper testing results for the samples collected at the identified sources ranged from <0.020 to 0.127 parts per million (ppm). Lead testing results for the samples collected at the identified sources ranged from <0.100 to 1.12 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 July 24, 2007 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 July 25, 2007 at approximately 0800 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 McAlester Field Office are as follows:

- The water sample collected from the drinking fountain located in the reception room outside public restroom had a copper level of <0.020 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the drinking fountain located in the workroom outside employee restroom had a copper level of 0.127 parts per million (ppm) and a lead concentration <1.00 parts per billion (ppb).
- The water sample collected from the sink located in the kitchen had a copper level of <0.020 parts per million (ppm) and a lead concentration 1.12 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)
 McAlester Field Office (793)
 902 South George Nigh
 McAlester, OK 74501
 July 25, 2007

SAMPLE	LOCATION / MANUFACTURER	LEAD RESULTS	EPA ACTION LEVEL (LEAD)
06-0793-W001	Drinking fountain located in the Reception room outside public restroom Manufacturer: Oasis Model #: P8AM-E100 Serial #: 9903006720	<1.00	15 ppb
06-0793-W002	Drinking fountain located in the Workroom outside employee restroom Manufacturer: Oasis Model #: PLF8M-D100 Serial #: 9813097931	<1.00	15 ppb
06-0793-W003	Sink located in the Kitchen Manufacturer: American Standard Model #: N/A Serial #: N/A	1.12	15 ppb

ppb - parts per billion

TABLE 2
WATER TESTING RESULTS (COPPER)
 McAlester Field Office (793)
 902 South George Nigh
 McAlester, OK 74501
 July 25, 2007

SAMPLE	LOCATION / MANUFACTURER	COPPER RESULTS	EPA ACTION LEVEL (COPPER)
06-0793-W001	Drinking fountain located in the Reception room outside public restroom Manufacturer: Oasis Model #: P8AM-E100 Serial #: 9903006720	<0.020	1.3 ppm
06-0793-W002	Drinking fountain located in the Workroom outside employee restroom Manufacturer: Oasis Model #: PLF8M-D100 Serial #: 9813097931	0.127	1.3 ppm
06-0793-W003	Sink located in the Kitchen Manufacturer: American Standard Model #: N/A Serial #: N/A	<0.020	1.3 ppm

ppm - parts per million

APPENDIX A

**FOHS ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT**



FOH ENVIRONMENTAL LABORATORY

538 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. Alex Fontenarosa

Submitted By: Ms. Edna A. Bautista

Reference Data: Lead and Copper
Sampling Site: SSA: 902 South George Nigh, McAlester, OK (#793)
Sample Type: Water
Method Reference: EPA 200.9 and S/M 3111B, respectively
Project ID: Project 8132
DFOH Lab Nos.: TM-07-32702 through TM-07-32704
Date Received: 07/31/07
Date Analyzed: 08/01/07 through 08/02/07
Date Issued: 08/06/07

The water samples were preserved with concentrated nitric acid. The lead analyses were performed using a Perkin Elmer AAnalyst 800 graphite furnace spectrophotometer (GFAAS). The copper analysis were performed using a Perkin Elmer Aanalyst 200 Flame atomic absorption spectrometer (AAS).

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

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


Ms. Edna A. Bautista
Analyst


Ms. Michelle C. Stemmons
Laboratory Director

Project 8132
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Accredited by the American Industrial Hygiene Association (AIHA)
Environmental Lead (Lab ID #102643) and Industrial Hygiene programs
for all methods.



FOH ENVIRONMENTAL LABORATORY

516 S. CLARK STREET, CHICAGO, IL 60605 PHONE: (312) 886-9413 FAX: (312) 886-9434

LEAD & COPPER IN WATER RESULTS

SAMPLE NUMBER*	LABORATORY NUMBER	COPPER CONCENTRATION (ppm)	LEAD CONCENTRATION (ppb)
06-0783-W001	TM-07-32702	< 0.020	< 1.00
06-0783-W002	TM-07-32703	0.127	< 1.00
06-0783-W003	TM-07-32704	< 0.020	1.12

*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
Copper	1.3 ppm	0.020 ppm	BAM 9111B
Lead	15 ppb	1.00 ppb	EPA 200.9

Edna A. Bautista
Ms. Edna A. Bautista
Analyst

Project 0132
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For all countries

