

June 22, 2016

Ms. Melissa Lambrecht
Sacred Heart School
22513 Garrison
Dearborn, Michigan 48124

Subject: Summary of Water Sampling Activities
Sacred Heart School
22513 Garrison
Dearborn, Michigan
AKT Peerless Project No. Project No. 5567f3-2-20

Ms. Lambrecht:

AKT Peerless was retained to provide environmental consulting services at Sacred Heart School located at 22513 Garrison, Dearborn, Wayne County, Michigan (subject property). AKT Peerless conducted sampling of the municipally-provided drinking water at the subject property. AKT Peerless' scope of services is based on its proposal, PF-19281, dated June 9, 2016, and the existing master services agreement between AKT Peerless and the Archdiocese of Detroit.

Introduction

AKT Peerless conducted a limited drinking water survey of the subject property to determine the potential exposure to lead. AKT Peerless limited survey included sampling four high-flow sources of drinking water in the building, including at least one common-use drinking fountain and the main kitchen tap, if applicable. These locations were identified by subject property staff.

Scope of Assessment

AKT Peerless' scope of work included (1) conducting a pre-sampling inspection of the fixture(s), (2) identifying 4 high priority sample locations with the assistance of facility maintenance personnel, (3) checking and cleaning aerators, (4) recording water coolers and associated model numbers, (5) noting electric wires grounded to pipes, to the extent readily observable, (6) identifying the locations of recalled water coolers to the extent readily observable, and (7) conducting first draw and 30 second flush samples.

Samples were collected in general accordance with Michigan Department of Environmental Quality (MDEQ) sampling protocol for *Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies*, dated April 20, 2016. The drinking water samples were transported under chain-of-custody documentation to Brighton Analytical Laboratory L.L.C. (BAL), a National Environmental Laboratory Accreditation Conference (NELAC)/MDEQ certified drinking water laboratory. Refer to Attachment 1 for a site map with sample locations. Refer to Attachment 2 for a photographic log.

Water Cooler Survey

AKT Peerless identified the following water coolers and/or bubblers at the subject property:

Manufacturer	Model Number	Quantity	Grounded Piping (Yes/No/Not Accessible)
Oasis	Unknown	1	Yes
Elkay	EZFTL8_1A	2	Not Accessible
Elkay	HEW1_1H	1	Not Accessible
Westinghouse	Unknown	1	Not Accessible
Unknown*	Unknown	Unknown	Not Accessible

*Manufacturer information was not available for water bubbler in second floor hallway

A survey of water coolers at the subject property did not identify water coolers that were recalled due to potential lead exposure hazards.

Laboratory Analysis and Methods

AKT Peerless submitted eight drinking water samples collected from the subject property to BAL for the analysis of lead. Samples were analyzed using United States Environmental Protection Agency (USEPA) Method 200.8 rev 5.4. If present, aerators were removed and cleaned at each sample location, except in bathrooms where the aerators could not be removed. The results of the laboratory analyses of the samples are summarized in the table below:

Summary of Analytical Results

Sample Identification	Analytical Result (parts per billion, ppb)
SHG-KC-P-01	2
SHG-KC-F-01	Not detected
SHG-WC-P-01	Not detected
SHG-WC-F-01	1
SHG-WC-P-02	Not detected
SHG-WC-F-02	Not detected

Sample Identification	Analytical Result (parts per billion, ppb)
SHG-WC-P-04	Not detected
SHG-WC-F-04	Not detected

*SHG= Sacred Heart Garrison; KC= Kitchen cold; WC= Water cooler; P= Primary draw; F= Flush draw

Analytical Results

AKT Peerless compared the laboratory analytical results to the National Primary Drinking Water Standards (adopted by the MDEQ). The laboratory analytical results did not indicate the presence of lead above applicable primary drinking water standards.

Refer to Attachment 3 for a complete laboratory analytical report and chain of custody documentation.

Conclusions

Based on laboratory analytical results, target parameters were not detected in the samples above the United States Environmental Protection Agency (USEPA) action level of 15 ppb.

Limitations

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- Attachment 1 Site Plan with Sampling Locations
- Attachment 2 Photographic Log
- Attachment 3 Laboratory Analytical Report and Chain of Custody Documentation