

Dustin Fisk

From: Amanda Enbysk <aenbysk@efulcrum.net>
Sent: Monday, March 13, 2017 2:26 PM
To: Keith Colee
Cc: Dustin Fisk; Ryan Mathews
Subject: Drinking Water Sampling - Sunset View Elementary Follow-Up Results
Attachments: Rpt_1703042_Kennewick_SD_Drinking_Water_-_Sunset_View_Elementa_Final_v1.pdf

Keith-

Fulcrum received results from follow-up sampling post fixture replacement and aggressive flush conducted 3/4/2017 at Sunset View Elementary. A summary of results is below and analytical results from Fremont Analytical are attached.

Lead-

The District replaced one fixture initially identified with an elevated lead concentration located in the kitchen. Fulcrum returned on 3/4/2017 to collect a follow-up sample following fixture replacement and pre-conditioning. Results are summarized below:

Sample Identification and Location	Type of Fixture	Initial Lead Results (µg/L)	Follow-Up Lead Results (µg/L)
SVE3417-P-KF-10: Kitchen, N.E. fixture	Kitchen Faucet	16	7.75
SVE3417-P-BF-52: Laboratory Blank	Distilled Blank	<1	<1.0
SVE3417-P-DF-53: Laboratory Spike	Lead and Copper Spike	14	16.8
EPA Action Level		15	15

Based on the analytical results, the fixture replacement was successful at reducing lead concentrations below the action level at this location. As such, this fixture is safe to put back into service.

Copper-

Nine fixtures were initially identified with elevated copper concentrations. After the District completed an aggressive flush of the fixtures, Fulcrum returned on 3/4/2017 and collected follow up samples. Results are summarized below:

Sample Identification and Location	Type of Fixture	Initial Copper Results (µg/L)	Follow-Up Copper Results (µg/L)
SVE3417-P-OF-02: Library work room	Office Faucet	1,200	990
SVE3417-P-OF-03: Library work room drinking fountain	Classroom Drinking Fountain	1,400	1,320
SVE3417-P-KF-06: Kitchen, S.E. fixture	Kitchen Faucet	1,400	1,030
SVE3417-P-KF-07: Kitchen, E. wall, S. fixture	Kitchen Faucet	1,600	1,050
SVE3417-P-KF-08: Kitchen, E. wall, middle fixture	Kitchen Faucet	1,300	955
SVE3417-P-CDF-18: Classroom 22	Classroom Drinking Fountain	1,100	1,110

SVE3417-P-CF-30: Room 155	Classroom Faucet	1,100	1,040
SVE3417-P-CDF-35: Room 145	Classroom Drinking Fountain	1,100	1,000
SVE3417-P-OF-42: Staff Lounge	Office Faucet	1,200	1,030
SVE3417-P-BF-52: Laboratory Blank	Distilled Blank	<10	<0.5
SVE3417-P-DF-53: Laboratory Spike	Lead and Copper Spike	1,100	1,260
EPA Action Level		1,300	1,300

Based on analytical results, the aggressive flush was successful at reducing copper concentrations below the action level at all but one fixture initially identified with elevated copper concentrations. As such, all fixtures below the action level can be put back in service.

The remaining fixture above the action level, the drinking fountain at the sink in the Library workroom, should remain out of service pending further testing or remediation.

Please let me know if you have any questions.

Thank you,

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