

Dustin Fisk

From: Amanda Enbysk <aenbysk@efulcrum.net>
Sent: Monday, March 13, 2017 1:14 PM
To: Keith Colee
Cc: Dustin Fisk; Ryan Mathews
Subject: Drinking Water Sampling - Desert Hills Middle School 3/4/17 Follow Up Sampling Results
Attachments: Rpt_1703041_Kennewick_SD_Drinking_Water_-_Desert_Hills_Middle_Final_v1.pdf

Keith-

Fulcrum received results from follow-up sampling post aggressive flush conducted 3/4/2017 at Desert Hills Middle School. A summary of results is below and analytical results from Fremont Analytical are attached.

Sample Identification and Location	Type of Fixture	Initial (12/21/16) Copper Results (µg/L)	Follow-up (1/28/17) Copper Results (µg/L)
DHM3417-P-KF-01: Kitchen, W. wall	Kitchen Faucet	2,000	1,960
DHM3417-P-KF-02: Kitchen, N. wall	Kitchen Faucet	2,000	1,650
DHM3417-P-KF-05: Kitchen, E. wall, south of corridor	Kitchen Faucet	2,000	2,040
DHM3417-P-KF-06: Kitchen, alacarte fixture	Kitchen Faucet	1,900	1,710
DHM3417-P-CF-35: Band room, N. fixture	Classroom Faucet	1,500	-
DHM3417-P-CDF-36: Band room, S. fixture	Classroom Drinking Fountain	1,600	-
DHM3417-P-CF-37: Room 109, E. middle fixture	Classroom Faucet	1,300	-
DHM3417-P-CF-38: Room 109, W. fixture	Classroom Faucet	1,500	-
DHM3417-P-CF-39: Room 104, S. wall, W. fixture	Classroom Faucet	1,300	1,340
DHM3417-P-CF-40: Room 104, S. wall, E. fixture	Classroom Faucet	1,400	1,420
DHM3417-P-CF-43: Laboratory Blank	Distilled Blank	<10	<0.5
DHM3417-P-CF-44: Laboratory Spike	Lead and Copper Spike	1,200	1,360
EPA Action Level		1,300	1,300

Based on analytical results, the aggressive flush was not successful at reducing copper concentrations below the action level at six fixtures. However, the four fixtures below the action level in the band room and Room 104 are now safe to be put back into service.

The four faucets in the kitchen are handwashing stations. It is unlikely these fixtures are used for drinking or cooking purposes. As such, Fulcrum recommends signs be posted indicating these fixtures should not be used for drinking or cooking and should be used for handwashing purposes only.

The remaining two fixtures in Room 109 are still above the action level for copper. These fixtures should continue to remain out of service until further testing or remediation is completed.

Please let me know if you have any questions.

Thank you,

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