

Dustin Fisk

From: Amanda Enbysk <aenbysk@efulcrum.net>
Sent: Tuesday, February 14, 2017 3:28 PM
To: Keith Colee
Cc: Dustin Fisk; Ryan Mathews
Subject: Drinking Water Follow-Up Sampling (2/11/2017) - Sagecrest Elementary Results
Attachments: Rpt_1702138_Kennewick_School_District_-_Sagecrest_Elementary_D_Final_v1.pdf

Keith-

Fulcrum received results of follow-up drinking water sampling conducted February 11, 2017 post aggressive flush at Sage Crest Elementary. A summary of results is below and analytical results from Fremont Analytical are attached.

Sample Identification and Location	Type of Fixture	Initial Copper Results (µg/L)	Follow-Up Copper Results (µg/L)
SCE21117-P-KF-01: Kitchen, middle island	Kitchen Faucet	1,490	781
SCE21117-P-KF-02: Kitchen, W. wall	Kitchen Faucet	1,850	626
SCE21117-P-CF-06: Room 14	Classroom Faucet	1,810	863
SCE21117-P-CDF-07: Room 15	Classroom Drinking Fountain	2,900	925
SCE21117-P-CDF-08: Room 12	Classroom Drinking Fountain	2,400	1,210
SCE21117-P-CF-09: Room 10	Classroom Faucet	1,670	1,170
SCE21117-P-NF-12: Nurse's Office	Nurse's Faucet	1,400	890
SCE21117-P-OF-13: Work Room Near Staff Room	Office Faucet	1,300	853
SCE21117-P-OF-14: Staff Room	Office Faucet	2,000	1,030
SCE21117-P-CDF-15: Room 9	Classroom Drinking Fountain	2,500	793
SCE21117-P-CF-16: Room 7	Classroom Faucet	2,100	964
SCE21117-P-CDF-17: Room 6	Classroom Drinking Fountain	2,400	881
SCE21117-P-CF-18: Room 4	Classroom Faucet	2,400	1,050
SCE21117-P-KF-19: Room 2	Kitchen Faucet	2,200	1,070
SCE21117-P-KF-20: Room 3	Kitchen Faucet	2,000	1,010
SCE21117-P-CDF-21: Room 23	Classroom Drinking Fountain	2,100	1,060
SCE21117-P-CF-22: Room 22	Classroom Faucet	2,100	588
SCE21117-P-CDF-23: Room 25	Classroom Drinking Fountain	1,900	853
SCE21117-P-CF-24: Room 27	Classroom Faucet	1,800	998
SCE21117-P-OF-25: Second Floor storage, near library	Office Faucet	1,800	1,070
SCE21117-P-CDF-28: Room 29	Classroom Drinking Fountain	1,600	652
SCE21117-P-CF-29: Room 31	Classroom Faucet	1,900	960
SCE21117-P-CF-30: Room 33	Classroom Faucet	1,900	1,000
SCE21117-P-CF-31: Laboratory Blank	Distilled Blank	<10	<0.5
SCE21117-P-CDF-32: Laboratory Spike	Lead and Copper Spike	1,300	1,200
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 fixture locations but the drinking fountain at the sink in Classroom 12 (CDF-08). Sample CDF-08 still reports with a

concentration of 1,210 µg/L, above the spike (CDF-32) concentration of 1,200 µg/L which we know should have a concentration the action level for copper. As this fixture remains above the action level, Fulcrum recommends it should stay out of service until further testing or remediation is complete.

All fixtures that report with a copper concentration below the action level can be put back into service.

Please feel free to contact me with any questions.

Thank you,

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