



NOTIFICATION FOR BUILDING OCCUPANTS: LEAD IN DRINKING WATER

**IOWA CITY
COMMUNITY
SCHOOL DISTRICT**
Child-Centered • Future-Focused

Project Name:	Drinking Water Testing at TREC	
Owner Project #:	N/A	
S-H Project #:	116328-0	
Completed By:	Dave McKenzie	Date: 9/7/2017

Description of Work: A project was initiated in late 2016 to measure the amount of lead in drinking water at all ICCSD schools. Initial tests at TREC indicated lead levels above the EPA action level. Subsequent investigation also found low residual chlorine levels, indicating “aged water” due to limited water usage in the building.

District plumbers have installed automatic valves with timers to run water in sinks in rooms 1, 8, 13, and 18 for about an hour in the morning and an hour in the evening. This has increased building water usage enough to ensure the water will have enough chlorine to protect against bacteria or viruses in the supply system. In addition, filters have been installed on the kitchen cold-water faucet and three drinking fountains: outside the office, in the east original building, and outside the restrooms in the west addition. The filters are 99%+ effective in reducing a number of water contaminants including lead. Recent water samples collected at those four locations by a Shive-Hattery environmental engineer and tested at the State Hygienic Lab yielded the following results:

Kitchen	4 ppb lead
3 drinking fountains	<1 ppb lead

Since the EPA action level for lead is 20 ppb, the water from these four locations is now safe to drink.

Due to elevated lead levels, water from classroom and bathroom sinks is NOT usable for drinking, food prep, or beverage prep (coffee, tea, etc.). It is not practical or necessary to filter all these locations. The water is usable for hand washing and dish washing, since the increased water usage will ensure bacteria protection, and according to the CDC lead in water cannot be absorbed by human skin.

District plumbers will inspect the system for proper operation and replace filters on a periodic basis. This action will complete the drinking water testing/investigation project at TREC.

Iowa Certified Testing Laboratory: State Hygienic Laboratory, Coralville, IA	
Consultant Contact: Sam Becker	Phone: 319-530-2456
Secondary Consultant Contact: Chad Siems	Phone: 319-330-2424
ICCSD Contact: Dave McKenzie	Phone: 319-430-2792
Rooms/Areas Affected or Tested: various	

To: Mitch Gross (ICEA), Brady Shutt (ICEA), Jane Elerding (ISEA/ECUU), John Netty, Kate Callahan, Lonnee Burkholder

Cc: Craig Hansel, Duane Van Hemert, Jane Fry, Jeff Barnes, Mike Leyden, Michelle Webster, Rod Perdue