



Date: May 23, 2016

To: David Wood, Principal
Access Academy @ Rose City Park

From: Andy Fridley, Sr. Manager
Environmental Health and Safety

Cc: Sarah Jones, Vice-principal
Beverly Cleary - Rose City Park Campus

Re: Recent Water Quality Testing

Background

In Summer 2000, PPS contracted with an environmental consulting firm to test drinking water in its buildings using the protocols established by EPA¹ and a more stringent action level of 15 parts per billion. The tests are diagnostic, allowing PPS to determine whether lead comes from the drinking fountain fixture (bubbler), the section of pipe behind it, the service connection from the meter to the building or a combination of the three. By November 2001, PPS completed testing of bubblers in the hallways and each classroom, along with faucets in the kitchens, staff lounges, nurse's stations and other areas that may use water faucets for drinking water.

PPS Maintenance crews have replaced every bubbler and drinking water faucet that tested over the 15 parts per billion limit and installed filters on every replacement fixture that had a second draw at or over 15 parts per billion.

Filter Replacement and Removal

The district uses a contractor to replace filters annually or sooner if it plugs up. For the first year, the district tested each filter after replacement. Approximately 1% of the tests were over the 15 parts per billion action level and in each of those instances, the filter itself failed. The second year, the district tested approximately 10% of the filters and no results were over the 15 parts per billion action level. The district has not tested in subsequent years, assuming that the filters are effective.

Recent testing at Rose City Park

This spring several parents in the RCP community requested that the school be retested. Two rounds of testing have been done: March 22 and May 6. We tested for lead at all drinking fountains and those sinks located in classrooms, nurse's office and the kitchen. A table of the results is attached to this document. A total of 36 fixtures were tested and eight of those exceeded the EPA maximum contaminate level (MCL) for lead under the Safe Drinking Water Act.

¹ These protocols are found in *Lead in Drinking Water in Schools and Non-Residential Buildings*, EPA 812-B-94-002, April 1994.

Actions taken or planned

To date the drinking fountains in rooms 3 and 200 were replaced and retested; results show they now meet the standard. The sink fixtures in rooms 9 and 207 were replaced and retested; results show they now meet the standard. The sinks in rooms 1 and 2 that exceeded the MCL are now posted with a sign that directs users to only use the sink for washing. We closed those sinks to drinking for two primary reasons. The first is that these two rooms are science rooms and the district practice is to discourage drinking from science room sinks. The other is that three of the four sinks have 2nd draw samples that exceed the standard. This suggests that the source of the lead is in the piping that supplies those sinks. Replacing the piping for sinks is cost prohibitive. And finally, use of filters would mean installing them on both the hot and cold water to prevent the potential of mixing filtered cold water with unfiltered hot water in the fixture.

Additional Information

More information regarding drinking water and other sources of lead is available from these agencies:

1. Portland Water Bureau
 - a. <https://www.portlandoregon.gov/water/article/550359>
 - b. Phone: 503-823-7404
2. Multnomah County Health
 - a. <https://multco.us/health/lead-poisoning-prevention>
 - b. 503-988-4000
3. US EPA – Drinking water in schools
 - a. <https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-child-care-facilities>
4. Centers for Diseases Control
 - a. <http://www.cdc.gov/nceh/lead/>

Rose City Park - Water Quality Report

Room/Location	Sample Date	Fixture Description	Result-Draw 1	Result-Draw 2
1	3/22/2016	Sink - corner	27	18
1	3/22/2016	Sink - near entry door	29	10
1	3/22/2016	Sink - near exterior door	30	30
2	3/22/2016	Sink	26	21
3	3/22/2016	Drinking fountain	22	
3	5/6/2016	Drinking fountain	5	
3	3/22/2016	Sink	7	3
9	3/22/2016	Sink	22	6
9	5/6/2016	Sink	5	ND
16	3/22/2016	Drinking fountain	5	
16	3/22/2016	Sink	6	ND
17	3/22/2016	Sink	13	ND
100	3/22/2016	Drinking fountain	4	
100	3/22/2016	Sink	13	4
103	3/22/2016	Sink	4	4
112	3/22/2016	Drinking fountain	3	
112	3/22/2016	Sink	5	9
115	3/22/2016	Sink	6	2
116	3/22/2016	Drinking fountain	7	
116	3/22/2016	Sink	5	3
200	3/22/2016	Drinking fountain	31	
200	5/6/2016	Drinking fountain	5	
200	3/22/2016	Sink	14	6
203	3/22/2016	Drinking fountain	7	
203	3/22/2016	Sink	13	4
207	3/22/2016	Sink	34	14
207	5/6/2016	Sink	7	ND
211	3/22/2016	Drinking fountain	4	
211	3/22/2016	Sink	4	3
215	3/22/2016	Drinking fountain	ND	
Corridor near 109	3/22/2016	Drinking fountain	4	
Corridor near 204	3/22/2016	Drinking fountain	5	
Corridor near 208	3/22/2016	Drinking fountain	ND	
Corridor near 3	3/22/2016	Drinking fountain	4	
Gym	3/22/2016	Drinking fountain	ND	
Kitchen	3/22/2016	Sink - food prep sink	3	ND
Library	3/22/2016	Sink	14	7
North corridor near Gym	3/22/2016	Drinking fountain	2	
South corridor near Café	3/22/2016	Drinking fountain	4	

All results in parts per billion (ppb)

Yellow = Exceeds EPA Maximum Contaminate Level

Green = Clearance test following repair