

JOHNSON ELEMENTARY SCHOOL
Lamoille North Supervisory Union

57 College Hill, Johnson, VT 05656

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May 11, 2018

Dear JES Community,

Recently, our school collaborated with the Vermont Department of Health, Agency of Natural Resources (ANR), and Agency of Education to conduct sampling for lead in drinking water. **I am happy to report that every single tap in our school that was sampled had results BELOW the Environmental Protection Agency's (EPA) action level for public drinking water of 15 parts per billion (ppb).**

On March 23, 2018, school staff sampled 51 taps throughout the building and sent them to the Vermont Department of Health Laboratory for analysis. A summary of these results is included with this letter and posted on the Health Department's website at healthvermont.gov/school-drinking-water.

Although every tap was below the EPA standard of 15 parts per billion, five taps tested slightly above the Vermont Health Advisory level of 1 ppb. For low level results between 1 and 15 parts per billion, the Vermont Health Department recommends flushing taps for 30 seconds a few times each day. As you can see from the test results, flushing these taps for 30 seconds did successfully reduce the levels of lead.

While the major source of lead poisoning in most Vermont children is paint, lead in plumbing fixtures can add to a person's overall exposure. Drinking water may contain lead from old lead pipes, plumbing fixtures (e.g. fountains and faucets), or solder that joins pipe sections together.

To test your own home for lead in drinking water, contact the Health Department Laboratory to order a \$12 test kit:

- Call: 802-338-4736 or 800-660-9997 (toll-free in Vermont)
- Fill out an order form: healthvermont.gov/lab/forms

To learn more about lead hazards and lead poisoning prevention, contact the Health Department:

- Call: 800-439-8550
- Visit: healthvermont.gov/lead

If you have questions or concerns, please contact

Sincerely,



David Manning,
Principal

Summary of Lead in Drinking Water Results for Johnson Elementary School¹

Location	First-Draw Result ² ppb	Flush Result ³ ppb
106 Kitchen South	1	<1
106 Kitchen West 1	2 ⁴	<1
106 Kitchen West 2	2	<1
106 Kitchen West 3	<1	<1
107 Music sink	4	<1
201 Fountain	<1	
201 Sink	<1	<1
202 Fountain	<1	
202 Sink	<1	<1
203 Fountain	1	
203 Sink	<1	<1
206 Fountain	<1	
206 Sink	<1	<1
207 Fountain	<1	
207 Sink	<1	<1
208 Nurse	1	<1
210 Principal	3	2
214 Staff Fridge	<1	<1
214 Staff Sink	<1	<1
301 Fountain	<1	
301 Sink	<1	<1
302 Fountain	<1	
302 Sink	<1	<1
303 Fountain	<1	
303 Sink	<1	<1
304 Fountain	<1	
304 Sink	<1	<1
305 Fountain	<1	
305 Sink	<1	<1
306 Fountain	<1	
306 Sink	<1	<1
307 Fountain	<1	
307 Sink	<1	<1
308 Fountain	<1	
308 Sink	1	<1
310 Fountain	<1	
310 Sink	<1	<1
311 Fountain	<1	

Location	First-Draw Result² ppb	Flush Result³ ppb
311 Sink	<1	<1
402 Fountain	<1	
402 Sink	<1	<1
404 Fountain	<1	
404 Sink	<1	<1
406 Fountain	<1	
406 Sink	<1	<1
407 Fountain	<1	
407 Sink	8	<1
Bottle Filler Fountain	<1	<1
Bottle Filler Sensor	<1	
Main Entrance High	<1	<1
Main Entrance Low	1	

Notes:

1. The Environmental Protection Agency's action level for lead in public drinking water is 15 parts per billion (ppb). The Vermont Health Advisory for lead in drinking water is 1 ppb.
2. A first draw sample collects the first water to come out of the tap after a period of inactivity, typically 8-18 hours. A high first draw result may indicate that faucets and fixtures are the likely source of lead.
3. A flush sample is taken after running cold water for 30 seconds, which tests water further upstream in the plumbing. A high flush result may indicate that plumbing is the likely source of lead.
4. We are planning the following strategies to address the five taps that showed slightly elevated results:
 - a. This summer we will replace the two taps that students have access to:
 - i. 210 (Principal's Office, rarely used by students)
 - ii. 407 sink (the sink is not used for drinking. The classroom water fountain had no detectable levels of lead)
 - b. For the other three taps, we have instructed the users to run the water for 30 seconds before using:
 - i. 106 Kitchen West 1
 - ii. 106 Kitchen West 2
 - iii. 107 Music Office sink