



October 10, 2016

**Updated October 19, 2016 to include DHS results and changes to 3 Lyle outlets**

To: Dallas School Board, Dallas School District Staff, Students, Parents,  
Community members, Itemizer Observer and other interested patrons.

From: Kevin Montague  
Facilities Director

RE: Lead in water preliminary test results, protocols and next steps.

**Lead testing results:**

Sampling for testing of dissolved lead in district water fixtures took place during a 2 week period starting September 20<sup>th</sup> and the final sample was taken on September 30<sup>th</sup>. Samples were taken from 552 fixtures throughout the district and included concession stands and restrooms at the DHS football stadium complex. EPA recommendations for testing is to test all fixtures used regularly for drinking and cooking.

In addition to drinking fountains and food prep sinks recommended, the district also tested fixtures which are typically not used for drinking or cooking, including restroom sinks, storage closet sinks and wash sinks. While not required, this was done as an extra step to ensure any potential water source a student, staff or community member may use to fill a water bottle or other container would be tested.

The sampling work was performed after school was back in session in order to get accurate samples of typical use patterns as recommended by EPA's 3T's guidance. Following the 3T's guidance to allow water to stagnate in pipes between 8-18 hours, samples were taken between 4:00 a.m. and 7:00 a.m. Tuesday through Friday in order to get first draw samples as close as possible to actual use patterns. Many fixtures which sit for longer than 18 hours under typical use conditions were sampled, however in order to establish a truly accurate baseline, no pre-flushing was done to any of the fixtures.

This is an important difference in the Dallas School District process when compared to many other districts which took their samples over the summer. The protocols recommended by Oregon Health Authority for summer testing is to flush the fixture the night before for 20 minutes. Our testing replicated actual exposures and had many of the fixtures been flushed the night prior there is a high likelihood we would have received some false negative results. We are confident our processes will allow us to accurately identify all of the potential problem

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fixtures, allowing us to truly mitigate any issues related to actual potential exposure based on actual use conditions.

The sampling process took two samples at the same time, an A sample and a B sample. Both samples were 250 ml samples designed to determine whether the fixture contains lead or lead is from the piping behind the fixture. The A sample was taken as a “first draw” sample where it was the first water taken from the fixture after sitting overnight. The B sample was taken after running the water for 30 seconds after the A sample was taken.

Initially only the A sample was analyzed, however in any instance where the A sample results were at or above the 20 ppb action level the B sample were then analyzed. At this time, we have only received the results for fixtures which met or exceeded the 20 ppb action level with the first draw A sample. The fixtures identified with levels at or above the action level have had the flush B samples submitted to be analyzed. In the meantime, all fixtures at or above the action level have either been shut off or clearly marked with signs indicating the water is not for consumption as we await the results of the B samples.

Initial results started being received by the district on the morning of October 4<sup>th</sup>, with preliminary reports of which fixtures met or exceeded the action level coming on 3 schools later that day and three locations coming on October 5<sup>th</sup>. These results are being reported to the school board in their regularly scheduled board meeting of October 10, 2016. They will also be posted on the district website and sent out via regular email system as required by OAR 581-022-2223(5)(g).

Additional information regarding full analytical results of the A sample, preliminary A sample results which meet or exceed the 20 ppb at DHS as well as results of B samples from those fixtures which meet or exceed the 20 ppb action level will be reported in the same manner. In order to do everything possible to demonstrate total transparency, in addition all available results were given to the Itemizer Observer on October 10, 2016 and updated information will be forwarded to the Itemizer Observer as well once it is received by the district.

**Following are the “A” sample results of fixtures at or above EPA action level of 20 ppb from samples pulled September 2016. Full analytical results are still pending from the lab and at this time we do not have “A” sample results for any fixture other than those which met or exceeded the 20 ppb action level. “B” sample results are also still pending.**

**District Office**—11 outlets sampled. 2 results at or above 20 ppb

1. Print shop sink faucet, Location 1-(21 ppb)—Low frequency use sink. Used only for handwashing. As the sink is necessary for some functions in the room, staff has been informed and a sign posted that sink is not to be used for drinking water.

2. Men's restroom sink faucet, Location 4-(34 ppb)—Sink is one of 3 and is rarely used as fixture is spring loaded and each side (hot and cold) has to be held on by hand which make washing difficult. Fixture has been shut off pending results of B sample.

**Morrison Campus**—26 outlets sampled. 2 results at or above 20 ppb

1. Room 1 sink faucet-(77 ppb)-Room 1 is currently, and has been for past several years used for paper storage. No student access to this fixture and use is extremely infrequent if ever. Fixture has been shut off pending results of B sample.
2. Room 1 drinking fountain-(20 ppb)-Room 1 is currently, and has been for past several years used for paper storage. No student access to this fixture and use is extremely infrequent if ever. Fixture has been shut off pending results of B sample.

**Oakdale Elementary School**—72 outlets sampled. 7 results at or above 20 ppb

1. Kitchen sink faucet-(28 ppb)-This sink is seldom if ever used. Adjacent to dish washing area and functions as eye wash station. As such, if ever used it is for dish washing and in case of eye wash emergency only. Fixture has been shut off pending results of B sample.
2. Kitchen soup pot-(1,540 ppb)-This fixture serves an obsolete soup pot which has not been used in many years. Since it is never used, fixture has been shut off and will be decommissioned next summer with the kitchen upgrades being done as a part of the bond.
3. Music Room sink faucet-(97 ppb)-This sink is seldom if ever used. Fixture has been shut off pending results of B sample.
4. Room 19 sink faucet-(64 ppb)-This is one of two sinks in this room and is the one which is never used. Fixture has been shut off pending results of B test, however since the room has another sink and drinking fountain which is the main sink this sink may be permanently decommissioned as a mitigation effort.
5. Room 3 sink faucet-(20 ppb)-The line serving this faucet also serves the drinking fountain on the opposite side of the sink, which did not return results at or above the action level. Both faucet and fountain are served through the same line with one shut off. Both fixtures have been shut off pending results of B sample.
6. Room 12 drinking fountain-(111 ppb)-This room has been vacant all summer. Similar to room 3, the drinking fountain and the sink faucet are served by the same line. The faucet did not return results at or above the action level, however since they are served by the same line with a common shut off, both fixtures have been shut off pending results of the B sample.
7. Room 16/17 shared sink faucet-(29 ppb)-This sink is in the common space between rooms 16 and 17 and according to staff is rarely used since there are sinks a couple feet away in both room 16 and 17. Fixture has been shut off pending results of B sample.

**Whitworth Elementary School**—65 outlets sampled. 3 results at or above 20 ppb

1. Stage women's restroom sink-(92 ppb)-Sink is seldom used. Fixture has been shut off pending B sample results and will be decommissioned during bond work associated with stage renovation.
2. Gymnasium storage room sink-(40 ppb)-Sink is seldom used. Fixture has been shut off pending results of B sample.
3. Computer lab sink faucet-(29 ppb)-Seldom used sink. Fixture has been shut off pending results of B sample.

**Lyle Elementary School**—71 outlets sampled. 3 results at or above 20 ppb

1. Room 3 sink faucet-(24 ppb)-This sink has no shut off, so sink has been bagged and tagged to not use pending results of B sample. October 19, 2016 update: As a result of staff request and indications this fixture was not used for drinking, on October 13 this fixture was turned back on to allow handwashing. Sign was posted indicating "For handwashing only" and staff informed to monitor to ensure no drinking was allowed.
2. Room 4 sink faucet-(39 ppb)-Sink has been shut off pending results of B sample. This faucet was one which was tested in 2013 and returned results well below the action level. October 19, 2016 update: As a result of staff request and indications this fixture was not used for drinking, on October 13 this fixture was turned back on to allow handwashing. Sign was posted indicating "For handwashing only" and staff informed to monitor to ensure no drinking was allowed.
3. Room 5 sink faucet-(26 ppb)-Sink has been shut off pending results of B sample. October 17, 2016 update: As a result of staff request and indications this fixture was not used for drinking, on October 13 this fixture was turned back on to allow handwashing. Sign was posted indicating "For handwashing only" and staff informed to monitor to ensure no drinking was allowed.

**Lacreole Middle School**-120 outlets sampled. 7 results at or above 20 ppb

1. Kitchen sink faucet, location 4-(79 ppb)-This faucet is a spray arm fixture located directly beside another fixture (location 3). According to staff, location 4 fixture is rarely used since the other fixture is easier to use. Fixture has been shut off pending results of B sample.
2. Concession booth sink faucet-(196 ppb)-Sink is in locked concession stand and is used infrequently during the beginning of the school year. Use picks up with winter sporting events. As direction can be given to personnel using the concession stand and the need for handwashing is high in that area, a sign has been placed on the sink directing water to be used for handwashing only and not drinking pending results from B sample.
3. Boy's restroom sink faucet, location 35-(38 ppb)-This sink is one of two located in the boys restroom adjacent to the wrestling and weight rooms. Fixture has been shut off pending results of B sample.
4. Room 9 sink faucet, location 53-(165 ppb)-This sink is one of six sinks in this room which used to serve as the home economics room. Due to location and current use of the sink

it is never used. The other 3 sinks in this room which are frequently used did not meet or exceed the 20 ppb action level. Access to this sink is restricted by storage of special education equipment.

5. Room 9 sink faucet, location 54-(50 ppb)-This sink is one of six sinks in this room which used to serve as the home economics room. Due to location and current use of the sink it is never used. The other 3 sinks in this room which are frequently used did not meet or exceed the 20 ppb action level. Access to this sink is restricted by storage of special education equipment.
6. Room 9 sink faucet, location 55-(191 ppb)-This sink is one of six sinks in this room which used to serve as the home economics room. Due to location and current use of the sink it is never used. The other 3 sinks in this room which are frequently used did not meet or exceed the 20 ppb action level. Access to this sink is restricted by storage of special education equipment.
7. Science storage room sink faucet-(31 ppb)-This sink is seldom if ever used and then never for drinking purposes. Fixture has been shut off pending results of B sample.

**DHS**-184 outlets sampled. 15 results above 20 ppb. After consulting with staff regarding the uses, 4 of the 15 fixtures were signed to be used for handwashing or experiments only. The one drinking fountain (#14 below) was shut off pending results of B sample.

1. Room 306 sink faucet-(29 ppb)-This faucet is located in the theater scene shop room and is only used for clean-up and scene preparation. Fixture has been signed for use only for scene preparation and not for drinking pending results of B sample.
2. Room 314 sink faucet-(21 ppb)-This faucet is located in the band room and comes off the same line as the drinking fountain on the opposite side, which did not test at or above the action level. As it is not possible to shut off the fixture without also shutting off the drinking fountain, the faucet fixture has been signed not for drinking pending results of the B sample.
3. Room 212 sink faucet, location 48-(21 ppb)-This is a science room faucet currently being used by agriculture classes. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
4. Room 212 sink faucet, location 50-(80 ppb)-This is a science room faucet currently being used by agriculture classes. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
5. Room 212 sink faucet, location 51-(22 ppb)-This is a science room faucet currently being used by agriculture classes. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
6. Room 212 sink faucet, location 52-(33 ppb)-This is a science room faucet currently being used by agriculture classes. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.

7. Girls locker room coach office sink (right), location 72-(23 ppb)-This fixture is one of multiple sinks in this office and is the least used sink. The fixture has been signed not for drinking water pending results of B sample.
8. Room 902 sink faucet-(26 ppb)-This faucet is located in a closed area and is infrequently used for experiments or handwashing. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
9. Room 910 storage sink faucet, location 130-(54 ppb)-This fixture is one of two sinks located in the science room storage closet. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
10. Room 910 storage sink faucet, location 131-(39 ppb)-This fixture is one of two sinks located in the science room storage closet. Not frequently used and when used it is for experiments and not for drinking. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
11. Room 915 sink faucet location 160-(72 ppb)-This fixture is located a science room sink which is infrequently used for experiments only and not drinking water. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
12. Room 915 storage sink faucet, location 161-(77 ppb)- This fixture is located a science room sink which is infrequently used for experiments only and not drinking water. Fixture has been signed to use for experiments only and not drinking pending results of B sample.
13. Room 506 hand wash-(47 ppb)-This fixture is a handwashing station located in the shop welding/metal works area and is never used for drinking water. Fixture has been signed not for drinking pending results of B sample.
14. Room 506 drinking fountain-(38 ppb)-This fixture is a drinking fountain located in the shop welding/metal works area and infrequently used. It has been shut off pending results of B sample.
15. Room 501 hand wash-(58 ppb)-This fixture is located in the robotics room and is used for experiments and handwashing only. Fixture has been signed to use for experiments only and not for drinking pending results of B sample.

**Post High (Daily Living Skills)**-3 outlets tested. All 3 tests showed non-detectable levels of lead.

Revision and date:

October 19, 2016-Updated to show results of DHS fixtures exceeding 20 ppb EPA action level. Also to update changes made to 3 fixtures at Lyle which were turned back on after posting signs and educating staff.