

# Lead Testing



**PRELIMINARY RESULTS**

August 25, 2016

# Lead Testing in Potable Water Sources



- Several months ago when public discussions took place about possible lead in drinking water and the need for testing of potable water in public schools, Sayville took the initiative and performed District wide testing in June 2016;
- The District contracted with Enviroscience Consultants, Inc. to perform testing;
- Testing was based on “FIRST DRAW” samples;
- Testing performed to a new lower standard of 15 ppb (previously 20 ppb);

# Lead Testing in Potable Water Sources



- Causes of lead in drinking water:
  - ✓ Corrosive water acts to dissolve lead from pipes and solder while water is in contact with plumbing;
  - ✓ Therefore, lead concentrations in drinking water usually are the highest in the first water out of the tap (FIRST DRAW);
  - ✓ Concentrations decrease as the water is run;
  - ✓ The presence of lead pipes, leaded solder, or brass fixtures and non-corrosive water can dissolve dangerous amounts of lead if the water sits in contact with these materials of an hour or more.

# Lead Testing in Potable Water Sources



- Over 200 individual sources of potable water were tested throughout the District;
- A total of 18 sources were identified to be above the new 15 ppb threshold (less than 9% of sample);
- Eleven (11) were actually above the threshold standard prescribed by the EPA of 18 ppm;
- Seven (7) were below the 20 ppm threshold but slightly above the more stringent 15 ppm;

# Lead Testing – Action Plan



- All sources with a ‘First Draw Testing Result’ of 15 ppb or higher were immediately shut-down;
- The District was already in the process of replacing drinking fountains and/or replacing all plumbing fixtures on several in-wall ceramic fountains;
- All water fountains throughout the District have been addressed;
- Each building will have at least one Filtered Bottle Filler unit;
- All work will be completed prior to the start of school in September;
- Sink locations with readings above 15 ppb had new faucets installed – this work completed from June 28, 2016 through July 19, 2016;
- Re-testing will be done on all identified sources;

# Lead Testing – Remediation Taken



## LEAD TESTING 2016

	<u>First Draw Test Results</u>	<u>Shut down 062816</u>	<u>Remediation taken</u>
<b><u>Sayville Administration Building</u></b>			
Basement Kitchen Conference Room-Sink	232	X	Replaced by RVD 6/28/16 - Awaiting retest by enviro
<b><u>Cherry Avenue Elementary School</u></b>			
Room 108 - Sink	76	X	Replaced by RVD 7/12/2016 - Awaiting retest by enviro
Room 110 - Water Fountain	15	X	To be replaced by Byrne and Sons
Room 122 - Water Fountain	17	X	To be replaced by Byrne and Sons
Room 129 - Sink	17	X	End of line - Faucet is new - likely will need to flush before drinking
<b><u>Lincoln Avenue Elementary School</u></b>			
Room 120 - Water Fountain	24	X	To be replaced by Byrne and Sons
<b><u>Sunrise Drive Elementary School</u></b>			
Room 121 - Water Fountain	16	X	To be replaced by Byrne and Sons
Kitchen Prep Sink-Center	28	X	Replaced by RVD 7/14/2016 - Awaiting retest by enviro
Kitchen Prep Sink- Right	72	X	Replaced by RVD 7/14/2016 - Awaiting retest by enviro
<b><u>Sayville Middle School</u></b>			
- Kitchen Pot Filler (right)- Sink	43	X	Replaced by RVD 7/19/2016 - Awaiting retest by enviro
- Kitchen Pot Filler (left ) - Sink	110	X	Replaced by RVD 7/19/2016 - Awaiting retest by enviro
- Boys LR by Pool - Water Fountain	16	X	To be replaced by Byrne and Sons
- Girls LR by Pool - Water Fountain	17	X	To be replaced by Byrne and Sons
Room 112 - Sink	20	X	Replaced by RVD 7/7/2016 - Awaiting retest by enviro
Room 247 - Sink	295	X	Replaced by RVD 7/7/2016 - Awaiting retest by enviro
<b><u>Sayville High School</u></b>			
Girls Dugout-Water Fountain	21	bagged/sign	To be replaced by Byrne and Sons
- Nurses Office - Sink	16	X	Requires new cabinet, sink & faucet - to be revalwed
<b><u>Old Junior High School</u></b>			
Kitchen Prep - Sink	451	X	SHUT OFF - BEING REPLACED WITH BOND