

# Executive Summary of Lead in Drinking Water Services

April 2022

New Wave Engineering was retained to conduct a first draw "lead in drinking water sampling" at the district's school buildings located within the Hawthorne Board of Education in April of 2022. Water samples were collected from designated drinking water outlets at the following schools:

All samples were collected according to the regulatory guidelines outlined in the amendments to the N.J.A.C. 6A:26: Educational Facilities (July 2016) and its supporting documentation.

- **Hawthorne High School**
- **Roosevelt Elementary School**
- **Jefferson Elementary School**
- **Washington Elementary School**
- **Lincoln Middle School**

First draw sample results indicated that water sources sampled at locations from the above noted schools, exhibited no lead levels above the Regulatory Action Level of 15ppb. All potable drinking water sources tested can continue to resume regular usage. The next required testing of drinking water sources in NJ schools will need to be completed in three (3) years unless any plumbing changes are made to the water system.

## 1.0 PROJECT BACKGROUND

New Wave Engineering was contacted by the Hawthorne Board of Education (the "Client") to perform lead in drinking water sampling to determine the lead content of drinking water from sources throughout the school facilities. Additionally, as per State regulations, New Wave was contracted to update a Quality Assurance Project Plan (QAPP) and a Sampling Plan (SP), including: a Drinking Water Outlet Inventory, Filter Inventory, and Outlet Location Schematic in conjunction with the District's Buildings and Grounds Director.

#### 4.0 DRINKING WATER ANALYSIS RESULTS

The analytical “lead in drinking water results” for each first draw sample is listed in Tables below:

Table 1: Analytical Lead Results for First Draw Water Samples Collected from **Roosevelt Elementary School**- April 21, 2022

Sample I.D.	Type of Collection Point	Lead	Above Regulatory Action
HAWRS-21-1	BF Café	<0.00100 mg/l	No
HAWRS-21-2	Nurse Sink	<0.00100 mg/l	No
HAWRS-21-3	Sink in Café	0.00112 mg/l	No
HAWRS-21-4	WF by 308	<0.00100 mg/l	No
HAWRS-21-5	Teacher Sink	<0.00100 mg/l	No
HAWRS-21-6	Field Blank	<0.00100 mg/l	No

BF= Bottle Filler Station WF=Water Fountain Bub=Bubbler

Table 2: Analytical Lead Results for First Draw Water Samples Collected from **Jefferson Elementary School**- April 21, 2022

Sample I.D.	Type of Collection Point	Lead	Above Regulatory Action
HAWJS-21-5	Field Blank	<0.00100 mg/l	No
HAWJS-21-1	BF by Library	<0.00100 mg/l	No
HAWJS-21-2	Nurse Sink	0.00103 mg/l	No
HAWJS-21-3	BF by Teacher's	<0.00100 mg/l	No
HAWJS-21-4	Sink in Teacher's	<0.00100 mg/l	No

BF= Bottle Filler Station WF=Water Fountain Bub=Bubbler

Table 3: Analytical Lead Results for First Draw Water Samples Collected from **Washington Elementary School**- April 21, 2022

Sample I.D.	Type of Collection Point	Lead	Above Regulatory Action
HAWWS-21-4	Field Blank	<0.00100 mg/l	No
HAWWS-21-1	BF by Elevator	<0.00100 mg/l	No
HAWWS-21-2	Nurse Sink	<0.00100 mg/l	No
HAWWS-21-3	Teacher Sink	<0.00100 mg/l	No

BF= Bottle Filler Station WF=Water Fountain Bub=Bubbler

**Table 4: Analytical Lead Results for First Draw Water Samples Collected from Lincoln Middle School- April 21, 2022**

Sample I.D.	Type of Collection Point	Lead	Above Regulatory Action
HAWMS-21-1	HE Window Right Sink	<0.00100 mg/l	No
HAWMS-21-2	HE Unit Left Sink	<0.00100 mg/l	No
HAWMS-21-3	HE Corner Sink	<0.00100 mg/l	No
HAWMS-21-4	Teacher Sink	<0.00100 mg/l	No
HAWMS-21-5	Nurse Sink	<0.00100 mg/l	No
HAWMS-21-6	BF Café	<0.00100 mg/l	No
HAWMS-21-7	WF in Gym	<0.00100 mg/l	No
HAWMS-21-8	Field Blank	<0.00100 mg/l	No

BF= Bottle Filler Station    WF=Water Fountain    Bub=Bubbler

**Table 5: Analytical Lead Results for First Draw Water Samples Collected from Hawthorn High School- April 21, 2022**

Sample I.D.	Type of Collection Point	Lead	Above Regulatory Action
HAWHS-21-1	BF by Weight Rm	<0.00100 mg/l	No
HAWHS-21-2	BF by Maintenance	<0.00100 mg/l	No
HAWHS-21-3	Sink Café Island	<0.00100 mg/l	No
HAWHS-21-4	Sink Café Vegetable	<0.00100 mg/l	No
HAWHS-21-5	Sink Café Wall Left	<0.00100 mg/l	No
HAWHS-21-6	Sink Café Wall Right	<0.00100 mg/l	No
HAWHS-21-7	Sink Café Rear	<0.00100 mg/l	No
HAWHS-21-8	Sink HE Teacher	<0.00100 mg/l	No
HAWHS-21-9	Sink HE Middle Wall	<0.00100 mg/l	No
HAWHS-21-10	Sink HE Left Wall	<0.00100 mg/l	No
HAWHS-21-11	Sink HE Window Right	<0.00100 mg/l	No
HAWHS-21-12	Sink HE Window Middle	<0.00100 mg/l	No
HAWHS-21-13	Sink HE Window Left	<0.00100 mg/l	No
HAWHS-21-14	Nurse Sink	<0.00100 mg/l	No
HAWHS-21-15	BF by Band Rm	<0.00100 mg/l	No
HAWHS-21-16	Field Blank	<0.00100 mg/l	No

BF= Bottle Filler Station    WF=Water Fountain    Bub=Bubbler