

**Rye Neck UFSD
Summary Water Quality Testing
As of 12-11-2020**

Quality Environmental Solutions & Technologies, Inc. (QuES&T) was retained by the Rye Neck Union Free School District to collect water samples at the following district buildings:

- Rye Neck High School/Middle School – 300 Hornidge Road, Mamaroneck, NY 10543
- Rye Neck Athletic Facility – 310 Hornidge Road, Mamaroneck, NY 10543
- Daniel Warren Elementary School – 1310 Harrison Avenue, Mamaroneck, NY 10543
- F.E. Bellows Elementary School – 200 Carroll Avenue, Mamaroneck, NY 10543

On October 24 & 31 and November 14, 2020, QuES&T collected 197 “first draw” samples. A first draw sample is a sample of tap water that has stood motionless in the plumbing pipes for eight to eighteen hours and is collected without flushing the tap prior to sample collection. Analytical results indicated that forty-four (44) of the one hundred ninety-seven (197) samples collected had first draw lead levels in excess of the action level of 0.015 mg/L (ppm) for lead in drinking water; twenty four (24) from Rye Neck High School/Middle School, seven (7) from Daniel Warren Elementary School, thirteen (13) from F.E. Bellows Elementary School, and zero (0) from the Athletic Facility.

Of the 44 samples that exceeded action levels, ten (10) were from outlets that are not currently in operation and as of the date of the flush sample testing were permanently disabled (one (1) at the Rye Neck MS/HS, five (5) at the Daniel Warren Elementary School and four (4) at the F.E. Bellows Elementary School). Of the remaining thirty four (34) outlets, “flush” testing was performed where water samples were collected from the outlet after allowing the water to run (flush) for 30 seconds. **Of the 34 outlets flush tested, the number of outlets that had lead levels in excess of the action level of 0.015mg/L (ppm) was zero (0).**

	Totals by School	First Round Elevated Outlets	First Round Flush Samples Taken	Flush Samples Elevated Outlets
Rye Neck High School/ Middle School	50	24	23	0
Daniel Warren Elementary School	75	7	2	0
FE Bellows Elementary School	56	13	9	0
Athletic Facility/Concession	16	0	0	0
	197	44	34	0

Source: QuES&T report dated 12/11/2020.

While flush tested yielded no outlets with elevated lead levels, the following actions were immediately taken:

Rye Neck MS/HS (24 outlets elevated at first draw):

- The twenty (20) science lab faucets that had first draw samples in excess of the action level were also detected with lead levels that exceeded the action level in the 2016 sampling. These sink faucets are identified by signage “hand washing only” and “do not drink”. The custodial staff ensures that the signage on these outlets is maintained. Students have never used these sinks for drinking water. Note that of the 20 sinks that had lead levels in the first draw above the action level, when flush testing was performed, one sink had been permanently disabled and therefore was not tested, three had no detected lead levels, and the other 16 were below the action level. Sixteen (16) of these faucets are located in science classrooms that are scheduled to be renovated in the summer of 2021 in accordance with the 2018 capital improvement bond project.
- Four (4) bathroom sinks faucets had first draw samples in excess of the action level. These outlets were never used for drinking. These sink faucets are identified by signage “hand washing only” and “do not drink”. Note that of the four faucets that had lead levels in the first draw above the 0.015 mg/L action level, when flush testing was performed, three had no detected lead levels, and the remaining was below the action level.

Daniel Warren Elementary School (7 outlets elevated at first draw):

- The five (5) drinking fountains identified with elevated lead levels were locked during summer 2020 during preparations for reopening during the pandemic and were unable to be accessed by students. These fountains did not have elevated lead levels during the 2016 testing, therefore it is believed that because they had not been in use for almost a year, this caused the initial elevated level. No flush testing was performed on these fountains because they have been permanently disabled.
- The two (2) other outlets identified with elevated levels in the first draw were disabled until signage was added that indicates that these outlets are for “hand washing only” and “do not drink”. Students do not have access to these outlets and they were never used for drinking. Note that these two outlets had no detected lead levels when flush tested.

F.E. Bellows Elementary School (13 outlets elevated at first draw):

- The four (4) drinking fountains identified with elevated lead levels were locked during summer 2020 during preparations for reopening during the pandemic and were unable to be accessed by students. These fountains did not have elevated lead levels during the 2016 testing, therefore it is believed that because they had not been in use for almost a year, this caused the initial elevated level. No flush testing was performed on these fountains because they have been permanently disabled.

- The three (3) hose bibs are identified as not drinkable by signage. These outlets were never used for drinking. Note that of these three outlets, when flush tested, one had no detected lead levels and the other two were below the action level of 0.015 mg/L.
- The six (6) sinks faucets that had first draw samples in excess of the action level. These outlets are identified as not drinkable by signage. Note that of these six outlets, four had no detected lead levels when flush tested and the other two were below the action level of 0.015 mg/L.

The Athletic Facility had no elevated outlets at first draw.

Information from the NYS Department of Health

Question: If an outlet tested above the “action level”, can it still be used for cleaning and handwashing?

Answer: Yes

- Signage must be placed at such outlets stating that the water should not be used for drinking (only hand washing and cleaning)
- Pictures should be used if there are small children using the water outlets, and staff should ensure the children understand what the signs mean and monitor the outlets to ensure they are not used for drinking.



Do not use for drinking



Hand washing only



Not for drinking use