



Bronx Community College

Drinking Water Quality, Monitoring, and Testing Program

What is the secret to great bagels in NYC?

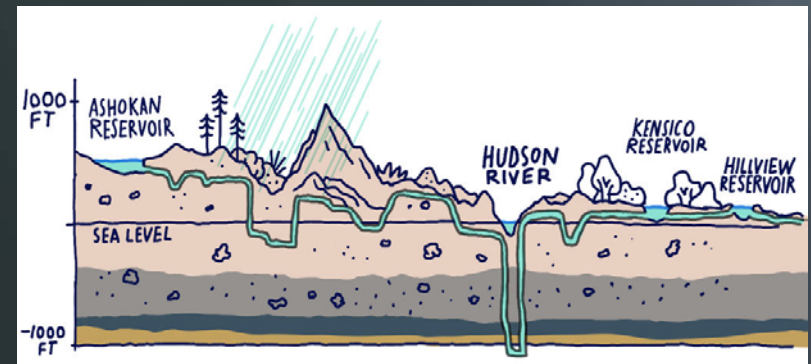


New York City Tap Water

- New York City is recognized for having the best drinking tap water not only in the US but worldwide.



" DEP's water quality monitoring program - far more extensive than that required by law - demonstrates that the quality of New York City's drinking water remains high and meets all health-related State and federal drinking water standards. "



NYC Department of Environmental Protection (DEP)

- utilizes world-class, effective technology
- collects around 42,000 samples of water and 570,000 quality tests analyzed annually
- maintains an active program to reduce quantity of lead
- monitors and adjusts pH levels
- adds food grade chemical to minimize corrosion

BCC's proactive approach to providing safe drinking water

- Installation of drinking water purification stations (tested and certified by WQA according to NSF/ANSI Standards, UL Standards 399).
- Ultra filtration
- UV (Ultra Violet)
- Installed in 23 Buildings with Water filtration units
- 71 units campus wide



Filtered Drinking Water Fountain/Station

- Space saving, ADA compliant design
- No-touch sensor activation
- Eliminates standing water
- Total of 20 Units installed on campus



Drinking Water Sampling and Analysis

- Per Federal EPA SDWA
- Method: ELAP No 1150 for analysis of metals in drinking water
- 3rd party environmental consultant
- Parameters checked:
Pb, Cu, Fe, Zn, Ar, TSS, and Coliform Bacteria.

* *Samples were analyzed using ELAP-approved laboratories*

Drinking Water Threshold Levels

- The United States Environmental Protection Agency (US EPA) has established the following thresholds for metals in drinking water in public water systems:
 - **Lead:** 15 micrograms per liter ($\mu\text{g/l}$), or 15 ppb (parts per billion)
 - **Copper:** 1.3 milligrams per liter (mg/l), or 1,300 ppb
 - **Iron:** 300 micrograms per liter ($\mu\text{g/l}$), or 300 ppb
 - **Zinc:** 5 milligrams per liter (mg/l), or 5,000 ppb
 - **Arsenic:** 0.05 milligrams per liter (mg/l), or 50 ppb

Results

- Based on the laboratory results of analysis, all water samples collected at the Site (BCC) met the applicable US EPA and NYC DOH threshold criteria for lead, copper, iron, zinc, arsenic, Total Suspended Solids, and Coliform Bacteria in drinking water - in public water systems.
- * Actual copy of testing/results currently maintained by Environmental Health and Safety Office

Results of Random Sampling Tests conducted June, 2016

| Building Tested | Parameter Tested | | | | | | | |
|------------------------------|------------------|--------|------|------|---------|------------------------|-------------------------|-----------------|
| | Lead | Copper | Iron | Zinc | Arsenic | Total Suspended Solids | Total Coliform Bacteria | E.Coli Bacteria |
| Child Development Center | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |
| Community Hall Main Lobby | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |
| Language Hall Main Lobby | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |
| RBSC 1st Floor near Elevator | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |
| Loew Hall 1st Flr Corridor | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |
| Gould Hall 1st Floor | Pass | Pass | Pass | Pass | Pass | Pass | Negative | Absent |

2017 Drinking water sampling and testing to be performed for:

- A. Child Development Center
- B. Colston Hall
- C. Alumni Gym
- D. CP Hall
- E. Butler Hall
- F. Nichols Hall

Drinking Water Quality Monitoring/Maintenance Program

| Drinking Water Quality Monitoring Program | | | |
|--|---|---|-------------------------------|
| Frequency | Details | Location | Responsible Department |
| Annual | Drinking Water Testing of various parameters e.g. Lead, Chromium, Copper, Total suspended solids, Bacteria, Arsenic | 10 random locations | EHS |
| Annual | Information broadcast to link NYC DEP Water quality report | Campuswide | Administration |
| Monthly | Inspection of Elkay water units e.g. filter replacement, water flow rate, etc. | All Elkay installations | PPS |
| Monthly | Inspection of Drinking Water units e.g. light indicator to alarm filter replacement, etc. | All Drinking Water Filtration units on campus | PPS |
| Daily | Inspection of Drinking water filtration units e.g. spill, dumping of portable catch basin, etc. | All Drinking Water Filtration units on campus | PPS/PS |