

HOW SCWA ENSURES THE QUALITY OF YOUR WATER

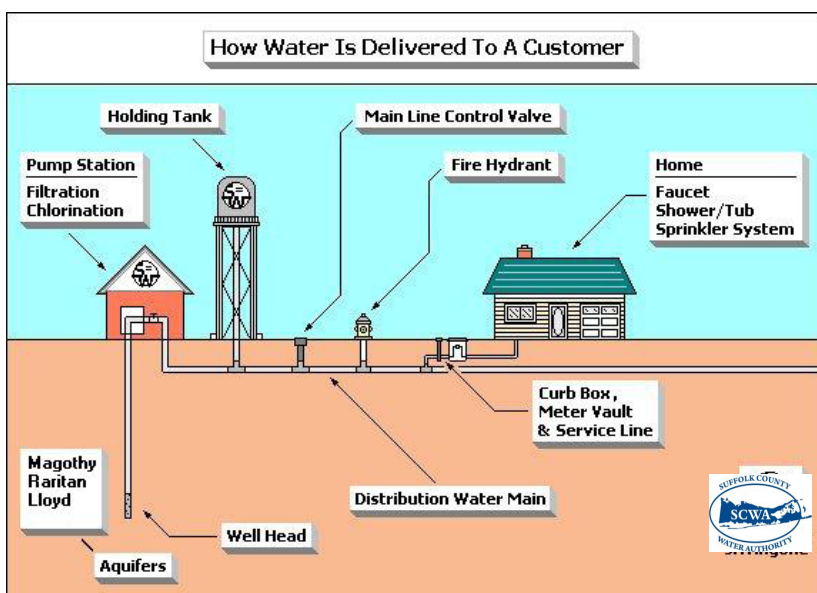


We Would Like You To Know

Drinking water, including bottled water*, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Water quality standards are established based upon the known health risks of the contaminants involved. In order to ensure the tap water we provide to you is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in drinking water provided in public water systems. These limits are called Maximum Contaminant Levels (MCLs). More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791)

*As a point of information, the State Health Department's and the Federal Food and Drug Administration's regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

This graphic illustrates how your drinking water is delivered to you. SCWA pump stations are located throughout Suffolk County. There may be only one or several wells located at each pump station. At these sites, the groundwater is pumped out of the aquifer. This water prior to treatment is usually referred to as "raw" water. In some cases, the raw water is filtered to remove contaminants. Before leaving the pump station, all raw water is treated to increase the pH and chlorinated to maintain disinfection throughout the distribution system. The distribution system connects the wells to your home or business. It consists of the water mains, fire hydrants, and storage tanks. Additional information about our water treatment can be found on page 37, and a description of our distribution system can be found on page 2.



DRINKING WATER QUALITY REPORT SUPPLEMENT

Additional information regarding your water supply is available in our Drinking Water Quality Report Supplement. This Supplement contains water quality data for our wells from samples that were collected before treatment and prior to being pumped to our customers. This Supplement is available to you by accessing our website at www.scwa.com and looking for "Water Quality Reports" under "Public Information".

The Supplemental Report contains raw water quality information from each of our well fields. The range of data presented shows the lowest value for a detected analyte, the highest value, the average value, and the total number of tests at each well field. These values represent an average of the individual wells at each well field.

SCWA STATISTICS AND WELL INFORMATION

How Much Water Did We Supply in 2021?

In 2021, we pumped 70.3 billion gallons of water. Of that total, 90% was used to meet the demands of our customers and 2% was used for flushing water mains, fire fighting, street cleaning and other purposes. The remaining 8% represents water loss and is attributed to main breaks, leaks and unauthorized usage.



SCWA Statistics for Calendar Year Ended December 31, 2021

Customers	390,759
Population Served	1.2 million
Miles of Main	6,039
Fire Hydrants	36,080
Water Pumped (billion gallons).....	70.3
Total Wells in System.....	632
Active Wells in System.....	582
Pump Stations	240
Storage Facilities.....	68
Water Storage Capacity (million gallons).....	71.6
Average Annual Water Rates (161,953 gallons/customer)	\$560

Wells Placed in Service in 2021

In 2021, we did not add any new wells to our water system and we replaced 1 well. In addition, this table lists the 9 wells placed in service with treatment to remove the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)	Treatment Type
Edgewood Ave SJ #4	Saint James	PFOA/PFOS	GAC Filtration
Flint Lane #1	Coram	PFOA/PFOS	GAC Filtration
Flint Lane #2	Coram	PFOA/PFOS	GAC Filtration
Horseblock Rd #1	Farmingville	PFOA/PFOS	GAC Filtration
Lincoln Ave #3	Holbrook	PFOA/PFOS	GAC Filtration
Pierson St #1	Nesconset	PFOA/PFOS	GAC Filtration
Pierson St #2	Nesconset	PFOA/PFOS	GAC Filtration
Plymouth St #1A	Deer Park	PFOA/PFOS	GAC Filtration
Plymouth St #2A	Deer Park	PFOA/PFOS	GAC Filtration

Wells Taken Out of Service in 2021

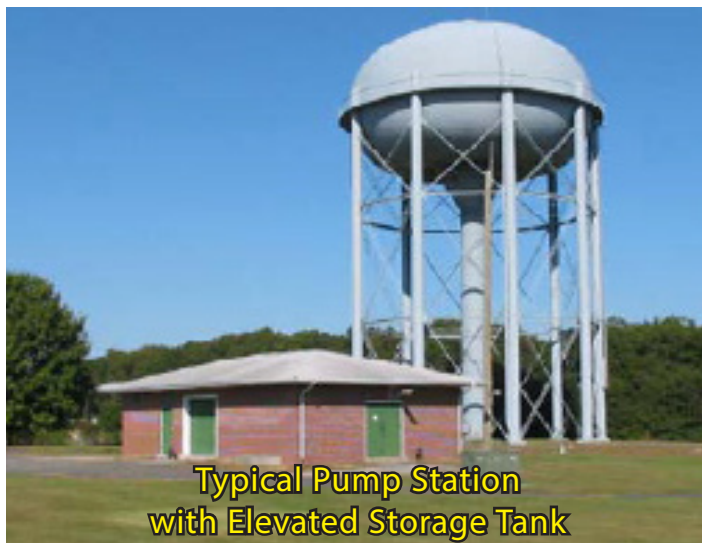
In 2021, we retired 1 well. In addition, the 2 wells listed in this table were removed from service because they had elevated levels of the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)
Broadhollow Rd #1	East Farmingdale	Trichloroethene
Hallock Rd #1	Nesconset	PFOA/PFOS

WATER TREATMENT INFORMATION

As most of our groundwater already meets all state and federal water quality standards, it generally does not receive extensive treatment. Before the water leaves the pump station, minute traces of chlorine are routinely added according to the specifications of the state health department to prevent bacterial growth that could occur in our water mains and tanks. Our bacteriological test results can be found on pages 23 and 24. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on pages 11- 13.

We also adjust the pH level of the water we deliver to you because the water, which we pump from the ground, is naturally acidic (pH can range from 4.5 to 6.8). To prevent corrosion of home plumbing, our water is chemically “buffered” by adding a hydrated lime product to increase the pH level. Soda ash is sometimes used instead of hydrated lime in certain portions of our system. This greatly reduces or eliminates the leaching of lead and copper from customers’ interior plumbing. Our test results for lead and copper can be found on page 13.



**Typical Pump Station
with Elevated Storage Tank**



**Iron and Manganese
Removal Filters**

In areas where the groundwater naturally contains iron or manganese levels higher than the standard, sequestering agents such as polyphosphates may be added to control the iron and keep it in solution. We also use specialized iron and manganese removal filters, and employ strategies such as systematic flushing of water mains to reduce these naturally occurring metals. If any well exceeds the standard and does not have treatment, it is removed from service.

Approximately 30% of our wells receive treatment using granular activated carbon filtration to remove pesticides/herbicides, per- and polyfluoroalkyl substances such as PFOA/PFOS, and volatile organic compounds. Packed Tower Aeration (PTA) units also called air strippers, ion exchange, perchlorate resin filters and Advanced Oxidation Process (AOP) are also used as needed. In some cases wells are blended together at the pump station to lower the amount of contaminants, such as nitrate and 1,4-Dioxane, in the water we serve.



**Ion Exchange Filters
for Nitrate Removal**



**Granular Activated Carbon
(GAC) Filtration Unit**



**Advanced Oxidation Process
for 1,4-Dioxane Removal**