

June 2009

Dear Residents,

Enclosed please find the Town of North Greenbush's 2008 Annual Water Quality Report. The Town is required by drinking water regulations of the New York State Department of Health (NYS DOH) to send every resident a copy of this report.

We are extremely proud to confirm that the water delivered to your home meets or exceeds all of the national and state regulations. In 2008, the John P. Buckley Water Treatment Plant operated by the City of Troy has produced water, which is purchased by the Town of North Greenbush for its residents, that is of the highest quality that surpasses all stringent federal regulations.

This Annual Water Quality Report is designed to provide consumers with information on the quality of the water delivered by their public water system. The Annual Water Quality Report contains information about the water system; information on the source of the water; reporting levels of contaminants detected in the finished water; information on cryptosporidium, radon, and other unregulated contaminants; information on any violations of the national primary drinking water regulations; and information regarding any variances or exemptions the water system may be operating under.

Consumers have the right to know what is in their drinking water. The information contained in the Annual Water Quality Report can raise consumers' awareness regarding the source of their drinking water, help consumers to understand the process by which safe drinking water is delivered to their homes, and educate consumers about the importance of preventative measures, such as source protection, that ensure a safe drinking water supply. Consumers can use the information in this report, especially those with special health needs, to make informed decisions regarding their drinking water. Educated consumers are more likely to help protect their drinking water sources and to appreciate the true costs of safe drinking water.

We also invite you to visit the Town of North Greenbush's internet web site at: <http://www.townofng.com> for additional information about our Town along with information regarding meetings of the Town Board and other boards / committees.

Very truly yours,

Mark A. Evers, Supervisor
Louis J. Desso, Councilman
Ernest L. Kern, Councilman
Alan T. Michaels, Councilman
Alson Spain, Jr., Councilman

Town of North Greenbush 2008 Annual Water Quality Report

Introduction

To comply with State and Federal regulations, the Town of North Greenbush annually issues a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and increase your awareness of the need to protect our drinking water sources. Last year, your tap water met all State drinking water health standards. We are proud to report that our system and our supplying systems did not violate a maximum contaminant level or any other water quality standard. Our system did receive one violation due to an extended process of disseminating the Annual Water Quality Report which in no way effected your water quality. This report provides an overview of last year's water quality. Included in the report are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact **the Town of North Greenbush Utilities Department, (518) 283-2714**. We want you to be informed about your drinking water. If you want to learn more, please attend any of the regularly scheduled town board meetings. The meetings are held on the 2nd and 4th Thursday of each month at 7:00 PM at Town Hall, 2 Douglas Street, Wynantskill, New York.

Where Does Our Water Come From?

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State Health Department and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The water source for the Town of North Greenbush is the City of Troy (City), Troy uses the Tomhannock Reservoir, a man made reservoir 6 ½ miles northeast of the City. The reservoir is 5 ½ miles long and holds 12.3 billion gallons when full. The quality of the water from the Tomhannock Reservoir is good to excellent. During 2008, the City of Troy and Town of North Greenbush did not experience any restriction of water. Water flows from the reservoir by gravity where seasonally Potassium Permanganate is added, then to the Melrose Chlorination Station, where the water is pre-disinfected with chlorine dioxide, continuing on to the John P. Buckley Water Treatment Plant (WTP). The plant is a conventional water treatment plant utilizing coagulation, flocculation, sedimentation, filtration, chlorination and fluoridation processes.

The Town of North Greenbush re-chlorinates the water supplied by the City of Troy in order to provide for acceptable chlorine residual in the water as required by New York State Department of Health. There are two (2) chlorination stations located in town, one on Winter Street Extension west of Cameron Road and the second is located on Main Avenue east of the Troy City Line. The Snyders Lake Road Water Pump Station also has facilities to re-chlorinate the water if necessary.

The City of Troy sells water to the town of North Greenbush at several locations including water mains on Pawling Avenue at the city/town line, at Winter Street Extension near the city/town line and US Route 4 near Williams Road. The Town of North Greenbush also buys City water from the Town of East Greenbush/ City of Rensselaer Joint Facilities (36" water main) located along US Route 4 (North Greenbush Road), there are several connections to the 36" water main. From these connections, the western portion of the Town of North Greenbush is supplied with City of Troy water.

The New York State Health Department completed a Source Water Assessment for the Tomhannock Reservoir. It includes a susceptibility rating based on the risk posed by each potential source of contamination and how likely contaminants could enter the reservoir and is only an estimate of the potential for contamination. It does not mean that the water delivered to your home is or will become unsafe to drink. The assessment found an elevated susceptibility to contamination for this source of drinking water. The amount of agricultural lands in the assessment area results in elevated potential for protozoa and pesticides contamination. However, there is reason to believe that land cover data may over estimate the percentage of row crops in the assessment area. While there are some facilities present, permitted discharges do not likely represent an important threat to source water quality, based on their density in the assessment area. In addition, it appears that the total amount of wastewater discharged to surface water in this assessment area is not high enough to further raise the potential for contamination (particularly for protozoa). There is also noteworthy contamination susceptibility associated with other discrete contaminant sources, and these facility types include: mines and closed landfills. Finally, it should be noted that hydrologic characteristics (e.g. basin shape and flushing rates) generally make reservoirs highly sensitive to existing and new sources of phosphorus and microbial contamination.

Facts and Figures

The Town of North Greenbush Utilities Department supplies water to approximately 6,250 residents of the town, including several commercial and industrial customers. Most notable is RPI Tech Park located off US Route 4 in the western part of the town.

In addition to the various Town of North Greenbush authorized Water Districts, there is one (1) private water company in the town that supplies water to residents of the Lake Meadows Subdivision located off Snyders Lake Road.

Water Rates

All residential, industrial and commercial customers pay the same water rate per water district. See the attached "Town of North Greenbush 2008 Water Rates/Costs". Effective May 1, 2007, the rate that the Town of North Greenbush paid to the Town of East Greenbush/City of Rensselaer Joint Water District for water increased from \$3.70 to \$4.95 per 1,000 gallons. In 2008, the Town of North Greenbush paid \$3.9468 per 1,000 gallons of water directly from the City of Troy. The Town of North Greenbush adds an additional \$0.45 - \$0.59 per 1,000 gallons of water usage, to its customer's water rate per 1,000 gallons to pay for flushing of fire hydrants and any other unaccounted water usage in the district.

All services are metered at individual customer location. Master water meters are located at connections where water is purchased from either the City of Troy or the Town of East Greenbush/City of Rensselaer Joint Water District Facilities. Some water is unaccounted for, this water is used to pressure test and chlorinate new water mains, flush existing water mains and fire hydrants, to train fire-fighting personnel, to fight fires and occasional leakage in the water system. Unaccounted for water is estimated to be approximately 10% or 1,687,514.8 gallons in 2008.

Are There Contaminants In Our Drinking Water?

Water quality testing is required of all public water systems by Part 5 of the New York State Sanitary Code. According to these requirements, the City of Troy and the Town of North Greenbush routinely tests your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, and synthetic organic compounds. The attached tables indicate which contaminants were detected and which were not, for the City of Troy and the Districts of North Greenbush.

It should be noted that all drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426- 4791) or the Rensselaer County Health Department at 270-2664.

What Does This Information Mean?

As you can see by the tables, our system had no violations for contaminants. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below New York State requirements.

Is Our Water System Meeting Other Rules That Govern Operations?

During 2008, our system was in compliance with all applicable State drinking water operating, monitoring and reporting requirements, except for the violation received do to the extended process of disseminating the Annual Water Quality Report.

Do I Need to Take Special Precautions?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

Why Save Water and How to Avoid Wasting It?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water saves energy and some of the costs associated with both of these necessities of life;
- Saving water reduces the cost of energy required to pump water and the need to construct costly new sources, pumping systems and water towers; and
- Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

There are many measures that customers can take to conserve water. You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. Run it only when you have loaded it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, then check the meter after 15 minutes, if it moved, you have a leak.

System Improvements

Town of North Greenbush recently implemented the following water system improvements:

- December 15, 2005 – Snyders Lake Road Water Pumping Station became operational
- December 28, 2005 – Water District No.18 (Pond Hill Subd) established by Town Board
- September 13, 2006 – Sharpe Road Water Pumping Station became operational
- October 16, 2006 – Water District No. 18 (Pond Hill Subd) switched from private wells to the Town's municipal water system
- November 1, 2006 – Water District No. 14 improvements substantially completed
- 2008 – Completed Water District No. 14
- 2008 – Installed communication equipment for the Sharpe Road Water Pump Station

System Maintenance

The Town of North Greenbush Utilities Department is in charge of all maintenance on the water system. Routine maintenance such as fire hydrant flushing and repairs are performed each year. Several fire hydrants are repainted on an annual basis and a program to color code with paint tops and the outlet nozzle caps of the fire hydrants (in accordance with their rated capacities as per AWWA recommendations) was started in 2006 and continued in 2008. Several water valve boxes are inspected and cleaned annually. The Utilities Department personnel repair minor water leaks while outside contractors repair any major leaks. No major leaks or main breaks were reported in 2008. Additionally, Utilities Department personnel are responsible

for the operation and maintenance of two chlorination stations (Main Avenue and Winter Street Ext), two water-pumping stations (Snyders Lake Road and Sharpe Road) and two water storage tanks (Snyders Lake and Pond Hill).

Closing

Thank you for allowing us to continue to provide you and your family with quality drinking water in 2008. We will continue to monitor and achieve safe drinking water for years to come. We ask that all our customers help us protect our local water sources, which are the heart of our community and our way of life. Please call our office at (518) 283-2714 if you have any questions. The Rensselaer Land Trust is interested in helping us protect the Tomhannock Watershed. For more information visit their website at www.rtlc.org or write to RTLCL, PO Box 40, Lansingburgh Station, Troy, NY 12182.

Town of North Greenbush Year 2008 Water Rates/Costs

District	General Area	Source	Water Purchased Per 1,000 gal	Debt Service Per Unit	O&M	Water Usage Per 1,000 gal
1	East Ave, West Av,e Cameron Rd, Winter St, Daniella Place Subd	Troy	\$3.9468	\$0.00	\$48.46	\$4.60
2	Wynantskill Area	Troy	\$3.9468	\$166.14 \$50.00 Superfund \$66.46 Vacant	\$21.32	\$4.60
3	Glenmore Rd, Rt 4, Hampton Place	Troy	\$3.9468	\$0.00	\$34.90	\$4.60
4	RPI Tech Park	EG/R	\$4.95	\$0.00	\$26.00	\$5.45
5	Van Allen Park	Renss	Billed by Renss	\$0.00	N/A	N/A
6	Meadow Dr, Crestwood Dr Williams Rd	Troy	\$3.9468	\$315.33 \$126.13 Vacant	\$46.88	\$4.60
6	Rensselaer County Manor Complex 169 Units	Troy	\$3.9468	\$315.33	\$0.50/ 1,000 gal	\$3.9468
7	Rock Cut Road	Renss	\$4.95	\$0.00	\$84.00	\$5.45
8	Pruyn Slope Subd	EastG	\$4.95	\$0.00	\$300.00	\$5.45
9	Phoenix Home Life	East G	Billed by East G	\$0.00	N/A	N/A
10	Highway Garage, Greenhill Rd Snyders Lake Road, Bloomingrove	Troy	\$3.9468	\$0.00	\$173.53	\$4.60
10	NYS Route 4	EG/R	\$4.95	\$0.00	\$173.53	\$5.45
11	Sandra Dr, Hilda Ct, Rt 4 Wanda Ct, Birch St, Winter St Ext	Troy	\$3.9468	\$294.12 \$117.65 Vacant	\$50.00	\$4.60
12	Cameron, Albro, Hoyt, Whiteview Winter St, Bloomingrove, Zelenke, Swiss, Dutc Acres	Troy	\$3.9468	\$329.89 \$131.96 Vacant	\$34.50 \$14.00 Vac	\$4.60
13	Snyders Lake Area	Troy	\$3.9468	\$361.64 \$140.65 Vacant	\$47.08 \$18.83 Vac	\$4.60
14	Wynantskill(South Side)	Troy	\$3.9468	\$413.17 \$165.27 Vacant	\$49.14 \$17.26 Vac	\$4.60
16	Oak Hill & Bloomingrove	Troy	\$3.9468	\$0.00	\$56.97	\$4.60
17	Quackenderry Commons	Troy	\$3.9468	\$0.00	\$0.00	\$4.60
18	Pond Hill Subdivision	Troy	\$3.9468	\$367.89 \$147.16	\$20.00	\$4.60
RC W&S	Ryan Subd, Partridge Hills Apt Valleyview Blvd	EG/R	\$4.95	\$0.00	\$45.47	\$5.45
	Town Wide Water Area	N/A	N/A	\$0.618385989	N/A	N/A

Definitions

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value. Two of the thirty lead samples collected were above the Action Level (AL) of 0.015 mg/l.

** Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.

*** A violation occurs when a total coliform positive sample is positive for E. coli or when a total coliform positive sample is negative for E. coli but a repeat total coliform sample is positive and the sample is also positive for E. coli.

Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or requirements which a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Picocuries per liter (pCi/l): Corresponds to 0.037 disintegrations per second per liter. The average activity within the human body from Potassium-40 is 0.1 micro curies.

City of Troy 2008 Water Test Results Public Water System ID # NY4100050

TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Range					
				Low	High				
Physical and Chemical Analytes									
pH	No	Daily	8.75	6.88	9.12	-	-	NDL	Adjusted at WTP
Temperature	No	Daily	12.9	5.7	21.9	° C	n/a	NDL	-
Color	No	Daily	3	0	18	color units	n/a	15	Naturally occurring
Turbidity	No	Daily	0.29	0.09	1.80	NTU	n/a	5	Soil runoff
Chlorine	No	Daily	0.77	0.09	1.10	mg/l	4	4.0	Added disinfectant
Chlorine Dioxide	No	Daily	0.01	0.00	0.10	mg/l	0.8	0.8	Added disinfectant
Fluoride	No	Daily	0.95	0.80	1.07	mg/l	n/a	2.2	Adjusted at WTP
Alkalinity, as CaCO ₃	No	Daily	40.7	29.0	50.4	mg/l	n/a	NDL	Naturally occurring
Hardness, as CaCO ₃	No	Weekly	51	45	59	mg/l	n/a	NDL	Naturally occurring
Iron	No	Weekdays	0.02	0.00	0.27	mg/l	n/a	0.3	Naturally occurring
Manganese	No	Weekdays	0.00	0.00	0.04	mg/l	n/a	0.3	Naturally occurring
Disinfection By-Products									
Total Trihalomethanes	No	Quarterly	47.6	32.4	73.3	ug/l	n/a	80	Formed by reaction of chlorine and chlorine dioxide with naturally occurring organics.
Total Haloacetic acids	No	Quarterly	29.2	13.9	52.0	ug/l	n/a	60	
Chlorite	No	Daily	0.40	0.14	0.75	ug/l	n/a	1.00	
Lead and Copper									
Lead *	No	Annually	0.006	0.000	0.012	mg/l	0	(AL) 0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Annually	0.064	0.006	0.093	mg/l	1.30	(AL) 1.30	
Inorganic Chemicals									
Barium	No	5/15/2008	0.024	-	-	mg/l	2.0	2.0	Naturally occurring
Chloride	No	5/15/2008	20.0	-	-	mg/l	n/a	250.0	Naturally occurring or road salt
Nitrate-as N	No	5/15/2008	0.46	-	-	mg/l	10.0	10.0	Runoff from fertilizer
Sodium **	No	5/15/2008	9.1	-	-	mg/l	n/a	**	Naturally occurring
Sulfate	No	5/15/2008	17.0	-	-	mg/l	n/a	250.0	Naturally occurring
Zinc	No	5/15/2008	0.019	-	-	mg/l	n/a	5.0	Naturally occurring
Radiological									
Combined Radium 226/228	No	3/4/2003	1.16	4 quarterly samples taken every 6 years		pCi/l	0	5.0	Naturally occurring
Gross Alpha Particles	No	9/30/2003	0.366			pCi/l	0	15.0	Naturally occurring
Gross Beta Particles	No	9/30/2003	1.73			pCi/l	0	4 mrem/yr.	Naturally occurring

TABLE OF NON-DETECTED CONTAMINANTS

Inorganic Chemicals			Organic Chemicals			
Antimony	Chromium	Selenium	2,4,5-TP (Silvex)	Aldicarb Sulfoxide	Heptachlor	PCB's
Asbestos	Cyanide	Silver	2,4-D	Atrazine	Hepachlor Epoxide	Pentachlorophenol
Arsenic	Mercury	Thallium	Alachlor	Carbofuran	Lindane	Toxaphene
Beryllium	Nickel		Aldicarb	Chlordane	Methoxychlor	Vinyl Chloride
Cadmium	Nitrite-as N		Aldicarb Sulfone	Endrin		

MICROBIOLOGICAL TABLE

Coliform	No	Weekdays	0.16%	-	-	%	0	5%	Naturally occurring
E.Coli ***	No	Weekdays	0	-	-	-	0	***	Human/animal fecal waste
Giardia	No	Monthly	0	-	-	-	0	0	Naturally occurring
Cryptosporidium	No	Monthly	0	-	-	-	0	0	Naturally occurring

Water Usage

District	PWS ID#	Gallons Per Year	Commercial Connections	Residential Connections
1	4100059	6,346,760	1	78
2	4130243	20,469,830	46	364
3	4100063	10,734,260	8	43
4	4130244	17,991,180	28	5
5	Billed by City of Rensselaer		N/A	N/A
6	4130253	25,299,740	3	202
7	4130245	26,000	1	1
8	4130246	790,000	2	0
9	Billed by City of East Greenbush		N/A	N/A
10	4130270	1,202,000	4	10
11	4130288	6,865,000	6	113
12	4130305	34,262,980	5	692
13	4130306	7,221,300	1	147
14	4130307	11,816,240	6	545
16	4130312	14,670,890	1	19
18	4122875	5,987,000	0	82
	RCW&SA	5,068,300	28	104
TOTAL		168,751,480 Gallons	140	2,405

Town of North Greenbush 2008 Water Test Results

Water District No. 1 PWS ID# NY4100059

TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	14.75	7.9	20.6	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	1.6	<2.00	2.3	Ug/l			
Trichloroacetic Acid	No	Quarterly	12.53	8.0	18.6	Ug/l			
Total Haloacetic Acid	No	Quarterly	28.88	20.9	33.4	Ug/l		60	
Chloroform	No	Quarterly	53.63	17.3	76.5	Ug/l			
Bromodichloromethane	No	Quarterly	6.35	2.6	8.8	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			

Total Trihalomethane	No	Quarterly	59.98	19.9	85.3	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer

MICROBIOLOGICAL TABLE

Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead **	No	Every 3 yrs	<0.002	<0.001	0.002	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.050	<0.02	0.160	mg/l		<0.02-1.3	

* A violation occurs when a total coliform positive sample is positive for E. coli or when a total coliform positive sample is negative for E. coli but a repeat total coliform sample is positive and the sample is also positive for E. Coli. The repeat samples were negative for total coliform.

** Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

**Town of North Greenbush 2008 Water Test Results
Water District No. 2 PWS ID# NY4130243
TABLE OF DETECTED CONTAMINANTS**

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	13.23	6.8	20.4	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.42	<2.00	4.5	Ug/l			
Trichloroacetic Acid	No	Quarterly	13.98	7.5	18.2	Ug/l			
Total Haloacetic Acid	No	Quarterly	28.3	19.4	37.1	Ug/l		60	
Chloroform	No	Quarterly	51.72	27.2	73.0	Ug/l			
Bromodichloromethane	No	Quarterly	6.7	3.5	8.9	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	58.42	30.7	81.9	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	<0.002	<0.001	0.003	mg/l		<0.001-0.015	
Copper	No	Every 3 yrs	0.05	<0.02	0.090	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

**Town of North Greenbush 2008 Water Test Results
Water District No. 3 PWS ID# NY4100063
TABLE OF DETECTED CONTAMINANTS**

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	6.9	6.7	7.1	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	<2.00	<2.00	<2.00	Ug/l			
Trichloroacetic Acid	No	Quarterly	17.8	12.8	22.8	Ug/l			
Total Haloacetic Acid	No	Quarterly	24.7	19.5	29.9	Ug/l		60	
Chloroform	No	Quarterly	75.35	74.2	76.5	Ug/l			

Bromodichloromethane	No	Quarterly	8.7	8.5	8.9	Ug/l			
Dibromochlorethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	Yes	Quarterly	84.05	82.7	85.4	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	<0.001	<0.001	0.001	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	<0.02	<0.02	0.030	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 4 PWS ID# NY4130244
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	23.23	20.3	29.1	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.75	<2.00	4.1	Ug/l			
Trichloroacetic Acid	No	Quarterly	11.86	7.3	18.9	Ug/l			
Total Haloacetic Acid	No	Quarterly	37.35	29.8	52.1	Ug/l		60	
Chloroform	No	Quarterly	55.13	32.3	73.2	Ug/l			
Bromodichloromethane	No	Quarterly	6.88	5.6	8.3	Ug/l			
Dibromochlorethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	62.0	37.9	81.0	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	<0.001	<0.001	<0.001	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.05	<0.02	0.080	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 6 PWS ID# NY4130253
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	15.1	8.1	20.4	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.84	<2.00	5.0	Ug/l			
Trichloroacetic Acid	No	Quarterly	13.14	7.7	19.4	Ug/l			
Total Haloacetic Acid	No	Quarterly	30.68	21.0	35.2	Ug/l		60	
Chloroform	No	Quarterly	59.2	35.9	76.5	Ug/l			
Bromodichloromethane	No	Quarterly	7.46	6.2	8.8	Ug/l			
Dibromochlorethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			

Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	66.66	42.1	85.3	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	0.002	<0.001	0.003	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.04	<0.02	0.330	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 8 PWS ID# NY4130245
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	18.8	13.0	24.6	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.8	<2.00	3.6	Ug/l			
Trichloroacetic Acid	No	Quarterly	16.3	13.0	19.6	Ug/l			
Total Haloacetic Acid	No	Quarterly	36.9	26.0	47.8	Ug/l		60	
Chloroform	No	Quarterly	69.7	64.4	75.0	Ug/l			
Bromodichloromethane	No	Quarterly	8.05	7.5	8.6	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	77.75	71.9	83.6	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	<0.001	<0.001	<0.001	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.02	<0.02	0.030	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 10 PWS ID# NY4130270
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	15.9	8.3	21.3	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.38	<2.0	2.9	Ug/l			
Trichloroacetic Acid	No	Quarterly	12.55	7.9	19.3	Ug/l			
Total Haloacetic Acid	No	Quarterly	30.33	20.6	36.4	Ug/l		60	
Chloroform	No	Quarterly	59.2	36.3	74.4	Ug/l			
Bromodichloromethane	No	Quarterly	7.1	5.8	8.5	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<12.00	<1.00	Ug/l			

Total Trihalomethane	No	Quarterly	66.3	42.2	82.6	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	0.025	<0.001	0.025	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.3	0.040	0.300	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 11 PWS ID# NY4130288
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	14.4	6.4	24.0	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.15	<2.00	2.6	Ug/l			
Trichloroacetic Acid	No	Quarterly	14.83	8.5	20.3	Ug/l			
Total Haloacetic Acid	No	Quarterly	20.01	24.0	39.5	Ug/l		60	
Chloroform	No	Quarterly	69.3	45.9	87.6	Ug/l			
Bromodichloromethane	No	Quarterly	7.78	6.2	9.2	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	1.00	<1.00	1.00	Ug/l			
Total Trihalomethane	No	Quarterly	77.33	52.5	96.7	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	0.003	<0.001	0.003	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.1	<0.02	0.100	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 12 PWS ID# NY4130305
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	12.5	7.4	18.3	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.48	<2.00	3.8	Ug/l			
Trichloroacetic Acid	No	Quarterly	15.48	7.5	18.7	Ug/l			
Total Haloacetic Acid	No	Quarterly	29.95	25.3	33.3	Ug/l		60	
Chloroform	No	Quarterly	57.48	35.4	76.0	Ug/l			
Bromodichloromethane	No	Quarterly	7.53	6.0	8.4	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			

Total Trihalomethane	No	Quarterly	65.0	41.4	84.4	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	0.004	<0.001	0.014	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.066	<0.02	0.10	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 13 PWS ID# NY4130306
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	5.63	3.2	9.9	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	<2.00	<2.00	<2.00	Ug/l			
Trichloroacetic Acid	No	Quarterly	7.25	<1.00	17.7	Ug/l			
Total Haloacetic Acid	No	Quarterly	12.55	3.2	27.6	Ug/l		60	
Chloroform	No	Quarterly	61.15	49.2	71.3	Ug/l			
Bromodichloromethane	No	Quarterly	7.4	6.2	8.3	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	68.88	55.4	80.2	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.3	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs				mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs				mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 14 PWS ID# NY4130307
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	10.34	5.2	19.3	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	<2.00	<2.00	<2.00	Ug/l			
Trichloroacetic Acid	No	Quarterly	9.94	<1.00	16.5	Ug/l			
Total Haloacetic Acid	No	Quarterly	20.1	5.2	28.1	Ug/l		60	
Chloroform	No	Quarterly	59.24	35.6	81.0	Ug/l			
Bromodichloromethane	No	Quarterly	6.86	4.1	8.9	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			

Total Trihalomethane	No	Quarterly	66.1	39.7	89.9	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs				mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs				mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 16 PWS ID# NY4130312
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	12.25	6.6	16.9	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.15	<2.00	2.6	Ug/l			
Trichloroacetic Acid	No	Quarterly	12.65	7.4	19.7	Ug/l			
Total Haloacetic Acid	No	Quarterly	25.56	18.6	30.4	Ug/l		60	
Chloroform	No	Quarterly	65.48	38.2	85.2	Ug/l			
Bromodichloromethane	No	Quarterly	7.55	6.2	9.1	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Total Trihalomethane	No	Quarterly	73.1	44.6	94.3	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs				mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs				mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.

Town of North Greenbush 2008 Water Test Results
Water District No. 18 PWS ID# NY4122875
TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Yes/No	Date or Frequency of Sample	Level Detected			Unit Measurement	MCLG MRDLG	Regulatory Limit (MCL, TT, MRDL, AL)	Likely Source of Contamination
			Value or Average	Low	High				
Dibromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Dichloroacetic Acid	No	Quarterly	12.4	3.7	21.3	Ug/l			
Monobromoacetic Acid	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Monochloroacetic Acid	No	Quarterly	2.18	<2.00	2.5	Ug/l			
Trichloroacetic Acid	No	Quarterly	8.03	5.2	12.2	Ug/l			
Total Haloacetic Acid	No	Quarterly	21.6	8.9	35.7	Ug/l		60	
Chloroform	No	Quarterly	65.88	43.7	83.0	Ug/l			
Bromodichloromethane	No	Quarterly	7.48	6.0	9.1	Ug/l			
Dibromochloromethane	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			
Bromoform	No	Quarterly	<1.00	<1.00	<1.00	Ug/l			

Total Trihalomethane	No	Quarterly	73.35	50.5	92.1	Ug/l		80	
Inorganic Chemicals									
Nitrate-as N	No	Annually	0.4	-	-	mg/l	10.0	10.0	Runoff from fertilizer
MICROBIOLOGICAL TABLE									
Coliform	No	Monthly	Neg	-	-	%	0	5%	Naturally occurring
Lead and Copper									
Lead *	No	Every 3 yrs	0.007	<0.001	0.007	mg/l		<0.001-0.015	Household plumbing corrosion, erosion of natural deposits.
Copper	No	Every 3 yrs	0.17	<0.02	0.170	mg/l		<0.02-1.3	

* Lead and Copper are reported at 90th percentile, where 90% of samples collected are less than the average value.