Annual Drinking Water Quality Report for 2019

Village of Green Island

20 Clinton Street, Green Island, NY 12183 Public Water Supply Identification Number NY01000195

INTRODUCTION

To comply with State regulations, the Village of Green Island will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, your drinking water met all State drinking water health standards. This report is an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to New York State standards. Our constant goal is and always has been, to provide to you a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and to protect our water resources. If you have any questions concerning this report or concerning your drinking water please contact: Mr. John Heffern, Plant Operator, Village of Green Island Water Department, 20 Clinton Street, Green Island, NY 12183; Telephone (518) 273-4959. We want our valued customers to be informed about their water service.

WHERE DOES OUR WATER COME FROM?

The Village's source of water is infiltration galleries. Water flows through packed sand and gravel into a collection pipe by gravity flow to a 35-foot deep well. At this point water is pumped from the well to the treatment facility where it is filtered and chlorinated. The pH is adjusted, and iron and manganese are removed with potassium permanganate. The water purchased from the City of Cohoes comes from the Mohawk River, a "surface water" source. Water is pumped from the river into a complete treatment facility. The treatment process at Cohoes employs sodium permanganate for iron and manganese removal; coagulation using aluminum sulfate to cause small particles to stick together when the water is mixed, making larger heavier particles; sedimentation to allow the newly formed larger particles to settle out naturally; filtration to remove smaller particles by trapping them in sand filters; pH adjustment with caustic soda and an ortho phosphate inhibitor for corrosion control and iron and manganese control, post chlorination to prevent bacterial contamination.

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 and 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.

FACTS AND FIGURES

The Village of Green Island operates a ground water filtration plant that serves 1,200 service connections with a population of 4,000. The total water produced in 2019 was 167,235,400 gallons. The daily average of water treated and pumped into the distribution system is 458,179 gallons per day. Our highest single day was 621,700 gallons. The amount of water delivered to customers was 76,155,660 gallons. Water used to flush mains, fight fires and leakage accounts for the remaining 91,079,740 gallons. The ratio of water billed to water produced averages 38.4%. Our reservoir measuring 80 foot across and 14 feet deep stores 480,000 gallons of water and is covered with a polyvinyl floating cover. We routinely flush the hydrants, and repair hydrants and valves and water main breaks as soon as possible. New mains, hydrants and valves are planned for the future. The Village water system has an emergency line connection with the City of Cohoes. Approximately 21,703,895 gallons were purchased during 2019 and used for plant shut downs, water breaks, businesses in the north end of Green Island and supplemental supply. All services are metered. In 2019, residential water customers were charged \$70.25 per 1,000 cubic feet of water or \$93.43/1000 gallons of water. Industrial customers are billed according to the meter size.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

In accordance with State regulations, the Village of Green Island routinely monitors your drinking water for numerous contaminants. We test your drinking water for inorganic contaminants, lead and copper, nitrate, volatile organic contaminants, and synthetic organic contaminants and disinfection byproducts. In addition, we test four samples for coliform bacteria each month. The table presented below depicts which contaminants were detected in your drinking water. The state allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old and is noted. For a listing of the parameters we analyzed that were not

detected along with the frequency of testing for compliance with the NYS Sanitary Code, see Appendix A. Data for the purchased water from Cohoes is on pages 4 and 6.

Unregulated Contaminant Monitoring 4 was conducted during 2018. This is a requirement of the 1996 Safe Drinking Water Act amendments. This monitoring provides a basis for future regulatory action to protect the public health. The number in parentheses refers to the number of measured for a total of 30 analytes. The breakdown of analytes is as follows: semi volatile organic chemicals (3), pesticides and pesticide manufacturing byproduct (9), metals (2), alcohols (3), cyanotoxin chemical contaminants (10), brominated haloacetic acid groups (3) and indicator compounds (2). We have listed those compounds that were detected in the table of Detected Contaminants for Cohoes. There are no associated MCL's for these compounds at this time with the exception of Manganese.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily pose 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 Albany County Health Department at (518) 447-4620.

WHAT DOES THIS INFORMATION MEAN?

We have learned through our monitoring and testing that some contaminants have been detected; however, these compounds were detected below New York State requirements. MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2019, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

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 microbiological pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

INFORMATION ON LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Village of Green Island is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead

WHAT IS THE SOURCE WATER ASSESSMENT PROGRAM (SWAP)?

To emphasize the protection of surface and ground water sources used for public drinking water, Congress amended the Safe Drinking Water Act (SDWA) in 1996. The amendments require that New York State Department of Health's Bureau of Public Water Supply Protection is responsible for ensuring that source water assessments are completed for all of New York's public water systems.

A source water assessment provides information on the potential contaminant threats to public drinking water sources:

- each source water assessment will: determine where water used for public drinking water comes from (delineate the source areas)
- ♦ Inventory potential sources of contamination that may impact public drinking water sources
- Assess the likelihood of a source water area becoming potential contaminated

A SWAP summary for our water supply is attached to this report.

WATER CONSERVATION TIPS

The Village of Green Island encourages water conservation. There are a lot of things you can do to conserve water in your own home. Conservation tips include:

- Use water saving showerheads
- Repair all leaks in your plumbing system
- Water your lawn sparingly in the early morning or in the late evening
- Do only full loads of wash and dishes
- Wash your car with a bucket and hose with a nozzle
- Don't cut the lawn too short; longer grass saves water

CAPITAL IMPROVEMENTS

There were no major capital improvements made to the system in 2019. The Village evaluated the water system's mains and valves for replacement or repair as part of the Albany Avenue Reconstruction Project and the upcoming Lower Hudson/Hudson Avenue Project. It was determined that total replacement was not necessary and some necessary repairs were made as part of those projects.

CLOSING

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit our customers. You will be informed of system improvements in future Annual Water Quality Reports. We ask that all our customers help us protect our water sources. Please call our office if you have questions.

VII			AND TABLE OF D		CONTAMINANTS	
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants						
Total Coliform	N	1 positive sample	N/A	0	Any positive sample	Naturally present in the environment
Turbidity ¹ (Highest level at various time over the year)	N	0.01	NTU	N/A	TT=1.0 NTU TT= 95% samples < 0.3	Soil runoff
Inorganic Contaminants (samples from 1/29/19 un	less otherwise	noted)				
Barium	N	154	ppb	2000	2000	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chloride	N	98.9	ppm	N/A	250	Geology; Naturally occurring
Color	N	2	units	N/A	15	Presence of metals such as copper, iron and manganese
Copper (sample data from 8/15/18-8/19/18) Range of copper concentration	N	118 ² 0.20-1.38	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride	N	0.918	ppm	N/A	2.2	Erosion of natural deposits;
Lead (sample data from 8/15/18-8/19/18) Range of lead concentration	N	1 ³ ND-10	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Manganese	N	29.5	ppb	N/A	300	Geology; Naturally occurring
Nickel	N	1.2	ppb	N/A	N/A	Naturally occurring
Nitrate	N	1.92	ppm	10	10	Erosion of natural deposits
Odor	N	1	unit	N/A	3	Naturally occurring
pH	N	7.11	units		6.5-8.5	
Sodium ⁴	N	59	ppm	N/A	N/A	Naturally occurring, Road salt
Zinc	N	22.2	ppb	N/A	5000	Naturally occurring
Radiological Contaminants						
Uranium (sample from 3/6/17)	N	0.302	ppb	0	30	Erosion of natural deposits
Disinfection Byproducts (sample from 8/6/18)						
Chlorine Residual (range) (based on daily samples)	N	0.22 0.02-0.55	ppm	MRDLG N/A	MRDL 4	Used in the treatment and disinfection of drinking water

FOOTNOTES-

- Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. Level detected represents the
- The level presented represents the 90th percentile of 10 test sites. The action level for copper was exceeded at 1 of the 10 sites tested.
- The level presented represents the 90th percentile of 10 test sites. The action level for lead was not exceeded at any of the 10 sites tested
- Water containing more than 20 ppm should not be consumed by persons 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

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

Non-Detects (ND) - Bandonday analysis indicates and are constituents into present parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000. Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000. Parts per trillion (ppt) or Nanograms per liter (nanograms/l) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000. Picocuries per liter (pCi/L) - Picocuries per liter is a measure of the radioactivity in water.

Procuraces per liter [p(UL) - Procuraces per liter is a measure of the radioactivity in water. Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

90th Per entille Value
The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90th of the lead and copper values detected at your water system

Action Level - the concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, which a water system must follow.

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

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available excessions.

Maximum Contaminant Level Goal The "Goal" (MCLG) is 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 (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 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.

N/A: Not Applica

Appendix A
New York State Sanitary Code Compliance Monitoring Requirements- Compounds Analyzed that were Below Limits of Detection

New York State Sam	VILLA	Requirements- Compounds Analyze GE OF GREEN ISLAND TEST RI	ESULTS	On
CONTAMINANT MONITORING FREQUENCY		ter Supply Identification Number N CONTAMINANT	CONTAMINANT	MONITORING FREQUENCY
Asbestos	Every 9 years	POC's	(Volatile Organic Compounds)	TREQUERCT
	Waiver from monitoring No asbestos pipe	Benzene	Trans-1,3-Dichloropropene	M. is is
Antimony Monitoring requirement is		Bromobenzene	Ethylbenzene	Monitoring requirement is
Arsenic	one sample every year.	Bromochloromethane	Hexachlorobutadiene	one sample
Beryllium	1	Bromomethane	Isopropylbenzene	annually.
Cadmium	Sample results from	N-Butylbenzene	p-Isopropyltoluene	Sample from 1/29/19
Chromium	1/29/19	sec-Butylbenzene	Methylene Chloride	
Mercury	- I	Tert-Butylbenzene	n-Propylbenzene	
Selenium	NON-DETECT	Carbon Tetrachloride	Styrene	
Thallium	- I	Chlorobenzene	1,1,1,2-Tetrachloroethane	_
	- I	2-Chlorotoluene	1,1,2,2-Tetrachloroethane	_
Cyanide	-	4-Chlorotoluene	Tetrachloroethene	
- Juniac	- L	Dibromethane	Toluene	-
	-	1.2-Dichlorobenzene	1.2.3-Trichlorobenzene	
	- I	1,3-Dichlorobenzene	1.2.4-Trichlorobenzene	NON-DETECT
		,-	, ,	
		1,4-Dichlorobenzene	1,1,1-Trichloroethane	
		Dichlordifluoromethane	1,1,2-Trichloroethane	
		1,1-Dichloroethane	Trichloroethene	
	_	1,2-Dichloroethane	Trichlorofluoromethane	
	Monitoring requirement is	1,1 Dichloroethene	1,2,3-Trichloropropane	
Silver	at State discretion	cis-1,2 Dichloroethene	1,2,4-Trimethylbenzene	
	Sample results from	Trans-1,2-Dichloroethene	1,3,5-Trimethylbenzene	
	1/29/19	1,2 Dichloropropane	m-Xylene	
Iron	1	1,3 Dichloropropane	o- Xylene	
	7	2,2 Dichloropropane	p-Xylene	
	1	1,1 Dichloropropene	Vinyl Chloride	
	NON-DETECT	Cis-1,3-Dichloropropene		
Microbiological Contaminants		Radiological Parameters	C1- f 2/c/17	Manitanina
E. coli	4 samples monthly	Gross Alpa particle activity Radium 226	Sample from 3/6/17	Monitoring requirement is
		Radium 228		one sample every 6-9 years. NON-DETECT
	Regulated	l & Unregulated Synthetic Organic	Chemicals	HON-DETECT
Synthetic Organic Che		Synthetic Organic Chemicals (G		
Alachlor	Aldicarb	Aldrin	Benzo(a)pyrene	Monitoring
Aldicarb Sulfoxide	Aldicarb Sulfone	Butachlor	Carbaryl	requirement is
Atrazine	Carbofuran	Dalapon	Di(2-ethylhexyl) adipate	every 36 months NON-DETECT
Chlordane	Dibromochloropropane	Di(2-ethylhexyl) pthalate	Dicamba	Sample results
2,4-D	Endrin	Dieldrin Dieust*	Dinoseb	from 4/12/19
Ethylene Dibromide Lindane	Heptachlor Methoxyhlor	Diquat* Glyphosate*	Endothall* Hexachlorobenzene	*State waiver
PCB's	Toxaphene	Hexachlorocyclopentadiene	3-Hydroxycarbofuran	does not require
2,4,5-TP (Silvex)	Толарнене	Methomyl	Metolachlor	monitoring
2,7,J-11 (SHVCA)		Metribuzin	Oxamyl vydate	these compounds
	 	Pichloram	Propachlor	_
		Simazine	2,3,7,8-TCDD (Dioxin)*	

CITY OF COHOES TABLE OF DETECTED CONTAMINANTS Public Water Supply Identification Number NY01000192						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants				<u> </u>		
Turbidity (Highest turbidity sample from 12/10/19)		0.227^{1}			TT=1.0 NTU	
, , , , , , , , , , , , , , , , , , , ,	N		NTU	N/A		Soil runoff
Turbidity		100%			TT= 95% samples < 0.3	
Inorganic Contaminants (Sample data from 9/20/	19 unless otherwise	e noted)		<u> </u>	< 0.5	
Barium	N	23.0	ppb	2000	2000	Discharge of drilling wastes; discharge from
Burum	1,	23.0	PPO	2000	2000	metal refineries; erosion of natural deposits
Chloride	N	43.5	ppm	N/A	250	Geology; Naturally occurring
Color	N	15	units	N/A	15	Naturally occurring
Copper (sample data from 7/18/18-7/26/18)	N	0.13^{2}	ppm	1.3	AL=1.3	Corrosion of household plumbing systems;
Range of copper concentration	11	0.03-0.18	ppin	1.5	AL-1.5	erosion of natural deposits;
Iron	N	10.3	ppb	N/A	300	Erosion of natural deposits
			рро			1
Lead (sample data from 7/18/18-7/26/18)	N	ND^3	ppb	0	AL=15	Corrosion of household plumbing systems,
Range of lead concentration		ND- 12				erosion of natural deposits
Manganese	N	12.7	ppb	N/A	300	Erosion of natural deposits
Nickel	N	0.7	ppb	N/A	N/A	Naturally occurring
Nitrate (as Nitrogen)	N	0.273	ppm	10	10	Erosion of natural deposits
Odor	N	1	units	N/A	3	•
рН	N	7.68	units	N/A	6.5-8.5	
Sodium ⁴	N	27.3	ppm	N/A	N/A	Naturally occurring, Road salt
Sulfate	N	21	ppm	N/A	250	Naturally occurring
Radiological Contaminants (samples from 3/24/15		1 21	I ppin	14/21	230	Transfer occurring
Gross Alpha	N	2.79	pCi/L	0	15	Erosion of natural deposits
Radium 228	N	0.54	pCi/L	0	5	Erosion of natural deposits
Stage 2 Disinfection Byproducts (DBPs), (THM &						Liosion of natural deposits
Haloacetic Acids (HAA5)] (Average) ⁵	N Sample d	36	ppb	N/A	60	By-product of drinking water disinfection
Range of Values for HAA5	11	18-124.7	PPO	1071	00	by product of drinking water distinction
Total Trihalomethanes] TTHM (Average) ⁵	N	56.2	ppb	N/A	80	By-product of drinking water chlorination
Range of values for Total Trihalomethanes	11	15.8-86.1	ppo	14/21	00	by-product of drinking water emormation
Chlorine (average)	N	1.3	ppm	MRDLG	MRDL	Used in the treatment and disinfection of
Range of chlorine residual	11	0.41-2.19	ppin	N/A	4	drinking water
Total Organic Carbon Compliance Ratio	N	1.33-2.31	_	Compliance	TT ⁶	Organic material both natural and manmade;
Total Organic Carbon Compilance Ratio	14	1.33-2.31	-	ratio >=1	11	Organic pollutants, decaying vegetation
Synthetic Organic Chemicals				1		Organic ponutants, decaying vegetation
Di(2-ethylhexyl) pthalate	N	0.876	ppb	N/A	6	Used in plastic products such as polyvinyl
Di(2-ethylnexyl) pinarate	14	0.870	ppo	14/11	0	chloride, plastic toys, vinyl upholstery, adhesives
						and coatings.
Unregulated Contaminant Monitoring 4 (Quarte	rly samples collec	ted 1/14/18 4/	/2/18 7/15/18 10/1/1	8)		una comings.
Manganese	N Samples conce	3.25-791	ppb	N/A	300	Naturally occurring
HAA9	N/A	22.3-54.9	ppb	N/A	N/A	raturally occurring
HAA6	N/A	3.85-9.5	**	N/A	N/A N/A	
Bromide (Raw Water)	N/A N/A	3.85-9.5 ND-23.2	ppb ppb	N/A N/A	N/A N/A	
Total Organic Carbon (Raw Water)	N/A N/A	3.2-4.8	**	N/A N/A	N/A N/A	
FOOTNOTES-	IN/A	3.2-4.8	ppm	IN/A	IN/A	

FOOTNOTES-

- Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. Level detected represents the highest level detected. The regulations require 95% of the turbidity samples collected have measurements below 0.3 NTU. We met the standard 100% of the time. We also collect a distribution turbidity sample 5 times a week. Our average distribution turbidity for 2018 was 0.15 NTU.

 The level presented represents the 90th percentile of 30 test sites. The action level for copper was not exceeded at any of the 30 sites tested. The level presented represents the 90th percentile of 30 test sites. The action level for lead was not exceeded at any of the 30 sites tested.

- 4. Water containing more than 20 ppm should not be consumed by persons 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.
- 5. The average shown is based on a Locational Running Annual Average (LRAA). The LRAA shown is the highest of the 4 sample sites. The Highest THM LRAA was in the 4th quarter of 2019 and the highest HAA5 LRAA was in the 3rd quarter of 2019.
- The Interim Enhanced Surface Water Treatment Rule (IESWTR) requires monitoring of raw and finished water Total Organic Carbon (TOC). Depending on the raw water alkalinity value, proper water treatment should remove between 15% to 35% of the raw water TOC thus reducing the amount of disinfection byproducts produced. The removal or compliance ratio should be 1 or greater for each quarter.

		ter Supply Identification Number N		
CONTAMINANT	MONITORING FREQUENCY	CONTAMINANT CONTAMINANT		MONITORING FREQUENCY
Asbestos	Every 9 years	POC's	-	
	Sample from 5/3/11	Benzene	Trans-1,3-Dichloropropene	
				Manitanina
Antimony		Bromobenzene	Ethylbenzene	Monitoring requirement is
Arsenic	Sample results from	Bromochloromethane	Hexachlorobutadiene	one sample
	9/20/19	Bromomethane	Isopropylbenzene	annually.
Beryllium	3,20,13	N-Butylbenzene	p-Isopropyltoluene	Sample results
Cadmium	NON-DETECT	sec-Butylbenzene	Methylene Chloride	from 9/20/19
Chromium		Tert-Butylbenzene	n-Propylbenzene	110111 57 207 15
Mercury		Carbon Tetrachloride	Styrene	
Silver	1	Chlorobenzene	1,1,1,2-Tetrachloroethane	
Selenium	1	2-Chlorotoluene	1,1,2,2-Tetrachloroethane	
Thallium	1	4-Chlorotoluene	Tetrachloroethene	
Fluoride	1	Dibromethane	Toluene	
Cyanide	1	1,2-Dichlorobenzene	1,2,3-Trichlorobenzene	NON-DETECT
	1	1,3-Dichlorobenzene	1,2,4-Trichlorobenzene	
		1,4-Dichlorobenzene	1,1,1-Trichloroethane	
		Dichlordifluoromethane	1,1,2-Trichloroethane	
	1	1,1-Dichloroethane	Trichloroethene	
		1,2-Dichloroethane	Trichlorofluoromethane	
	1	1,1 Dichloroethene	1,2,3-Trichloropropane	
	Monitoring requirement is at State discretion	cis-1,2 Dichloroethene	1,2,4-Trimethylbenzene	
	Sample results from 9/20/19			
Zinc	NON-DETECT	Trans-1,2-Dichloroethene	1,3,5-Trimethylbenzene	
	NON-DETECT	1,2 Dichloropropane	o- Xylene	
	1	1,3 Dichloropropane	m- Xylene	
	1	2,2 Dichloropropane	p-Xylene	
	1	1,1 Dichloropropene	Vinyl Chloride	
	1	Cis-1,3-Dichloropropene	MTBE	
	1		-	<u> </u>
Propylene Glycol	Monthly samples			
Microbiological Conta				
Total Coliform/ E.	15 samples monthly	Radiological Parameters		
coli				Requirement is
		Beta particle activity		one sample every six-nine years.
		Radium 226		1 Samples from 3
		Uranium		NON-DETECT
Complete Complete	minute (Cons. P)	Synthetic Organic Chemicals	Samuel III)	
Synthetic Organic Cher Alachlor	Micals (Group I) Aldicarb	Synthetic Organic Chemicals (C Aldrin	Benzo(a)pyrene	Monitoring
Aldicarb Sulfoxide	Aldicarb Sulfone	Butachlor	Carbaryl	requirement is
Atrazine	Carbofuran	Dalapon	Di(2-ethylhexyl) adipate	every 18 months
Chlordane	Dibromochloropropane		Dicamba	NON-DETECT
2,4-D	Endrin	Dieldrin	Dinoseb	Sample results from 4/1/19
Ethylene Dibromide	Heptachlor	Diquat*	Endothall*	*State waiver
Lindane	Methoxyhlor	Glyphosate*	Hexachlorobenzene	does not require
PCB's	Toxaphene	Hexachlorocyclopentadiene	3-Hydroxycarbofuran	monitoring
2,4,5-TP (Silvex)		Methomyl Metribuzin	Metolachlor Oxomyl yydata	these
	1	IVICUTOUZIII	Oxamyl vydate	compounds
		Pichloram	Propachlor	_ ^

Village of Green Island-Hudson River NY01000195

Source Water Assessment Summary

The NYS DOH has completed a Source Water Assessment for the Hudson River in the region around Green Island's Infiltration Gallery. The assessment is summarized below. The assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how likely contaminants could enter the river. The susceptibility rating is 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. See section "Are there contaminants in our drinking water?" of this report, for information concerning low levels of contaminants in your water.

This assessment found the amount of pasture in the assessment area results in a potential for protozoa contamination. There is also a high density of sanitary wastewater discharges, which result in susceptibility to other contaminant categories. Non-sanitary wastewater discharges may also contribute to contamination.

Green Island's water treatment plant performs multi level treatment to insure you receive safe drinking water. Additionally, as this annual report shows your water is routinely monitored for a great number of potential contaminants.

A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.

City of Cohoes - Mohawk River NY01000192 Source Water Assessment Summary

The NYS DOH has completed a Source Water Assessment for the Mohawk River upstream of the Cohoes intake. The assessment is summarized below. The assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how likely contaminants could enter the Mohawk River. The susceptibility rating is 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. See section "Are there contaminants in our drinking water?" of this report, for information concerning low levels of contaminants in your water.

This assessment found the amount of pasture in the Mohawk River assessment area results in a potential for protozoa contamination. While there are many facilities present along the Mohawk that are permitted to discharge, they do not represent an important threat to source water quality. However, it appears that the total amount of wastewater discharged to surface water in this assessment area is high enough to raise the potential for contamination (particularly for protozoa). Finally, it should be noted that relatively high flow velocities make river drinking water supplies highly sensitive to existing and new sources of microbial contamination.

The Cohoes water treatment plant performs multi level treatment to insure you receive safe drinking water. Additionally, as this annual report shows your water is routinely monitored for a great number of potential contaminants.

A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.