Information for Persons with Compromised **Immune Systems**

Some people are more vulnerable to contaminants in drinking water than the general population. Imunocompromised 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 about drinking water from their health care providers. EPA/CDC (Center for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800) 426-4791 or www.epa. gov/safewater/hotline.

Source Water Assessment and Protection

The Massachusetts DEP has prepared a Source Water Assessment Program (SWAP) Report for the Hyannis Water System. The report assesses the susceptibility of public water supplies to contamination and makes recommendations. This report is available from the Hyannis Water System located at 47 Old Yarmouth Road in Hyannis, the local Board of Health and also at the DEP website: http://www.mass.gov/dep/water/drinking/ sourcewa.htm#reports.

A susceptibility ranking of HIGH was assigned to all wells in our system by the DEP due to the absence of hydrogeologic barriers, i.e., clay, in the Cape Cod Aquifer. There are activities and land uses within the Zone I, a 400 ft. radius around each well head, and the Zone II, the aquifer recharge area, that can contribute to drinking water contamination. Examples include local roads and power line easements in the Zone I, transportation corridors, residential septic systems, heating oil storage, household hazardous materials usage and storage, and stormwater from roads and lawns within the Zone II.

The Hyannis Water System was commended by the Massachusetts DEP for posting water protection signs, acquiring and protecting land within Zone I areas, and working with the Town of Yarmouth to protect Zone II areas.

In conjunction with its certified operator, Veolia, the Hyannis Water System is addressing the concerns stated in the SWAP Report and welcomes your input to our planning. If you have questions, please contact Kevin Sampson at (508) 775-0063

.esiqos innoitibha vot £800-277 (80*E*) report are available upon request; please contact Hyannis Water System. Additional copies of this This veport was prepared by Veolia for the

£900-\$LL-80\$ Hans Keijser, Supervisor, Water Supply Division Please contact:

Questions about this report

Department of Public Works, Water Supply Division. with oversight provided by the Town of Barnstable maintained by a private company, Veolia, The Hyannis Water System is operated and

Hyannis Water System

established by the American Water Works Association. Chemicals also must meet the performance standards by the American National Standards Institute (ANSI). International) or Underwriters Laboratory, both accredited Organizations: National Sanitation Foundation (NSF for water treatment by one or more of the following All chemicals used for the corrosion control are approved

of the Hyannis Water System wells to remove PFAS Activated carbon filtration systems are installed on all

it enters the distribution system. process and then adding a disinfectant to the water before chemicals are removed from the water using an aeration Compounds (VOCs) in the Maher well field. These have contributed to the detection of Volatile Organic Past commercial activities near the Hyannis Airport

that this is an effective and safe treatment process. throughout the Hyannis Water System has demonstrated to raise the pH to neutral or slightly alkaline. Testing reduce this leaching, your water is chemically treated active leaching of lead and copper into your water. To naturally corrosive (pH of less than 7.0). This can cause Many drinking water sources in New England are

maintained.

quantities to ensure that your water quality is consistently the Hyannis communities, chemicals are added in safe In our effort to supply safe, clean and healthy water to Water Treatment 2023 Hyannis Water System improvements

In 2023 the Hyannis Water System's capital improvements included finalizing the replacement of water mains at the intersection of Route 28 and Yarmouth Road as part of the Mass DOT intersection improvements and the installation of new water mains on Route 28 to connect dead ends in the water system to improve fire flows and water quality.



Carbon filtration vessels, maintenance and cleaning efforts

How Many Times a Day Do You Turn on the Faucet?

The average American home uses about 100 to 130 gallons of water a day. Did you know that only 1% of our in-home water use is for drinking? The majority of our daily water consumption, about 75%, is used in the bathroom. Did you know that 14% of in-home water use is wasted by leaking taps and toilets? Conserving water is as simple as repairing leaky faucets and toilets, taking shorter showers, not leaving water running while brushing teeth, washing hands, washing fruits and vegetables. Learn more about using water wisely at www.USEPA/ WaterSense.

Using water wisely benefits you and the environment.

Hyannis Water System Operated by Veolia 47 Old Yarmouth Road Hyannis, MA 02601-0326 (508) 775-0063



ANNUAL

WATER REPORT

Water testing performed in calendar year 2023 Hyannis Water System PWS ID: #4020004



The exposure effort of a paved-over curb stop valve in Hyannis

Hyannis Water Board

Samuel Wilson, Chair • Louise O'Neil, Vice-chair Jonathan Jaxtimer, Member • Amy Wrightson, Member Timothy Stump, Member

Este relatório contém informações importantes sobre a água potável. Ter alguém que traduzi-lo para você, ou falar com alguém que entende-lo.

water supply. skstem to have the ability to draw water as a backup Town of Yarmouth water system and the COMM. water Water system interconnections are established with the

gallons and Straightway - 400,000 gallons. Mary Dunn Tank # 2 - 1 million gallons, Maher - 800,000Mary Dunn Road: Mary Dunn Tank # 1 - 370,000 gallons, There are also four water storage tanks. Two located on

Simmons Pond Well (4020004-06g). (4020004-01g), Straightway Well (4020004-12g), and the Mary Dunn Well # 3 (4020004-08g), Straightway Well # 1 # 1 (4020004-04g), Mary Dunn Well # 2 (4020004-05g), 02g), Maher Well # 3 (4020004-11g), Mary Dunn Well Well # 1 (4020004-07g), Maher Well # 2 (4020004-(4020004-10g), Hyannisport Well (4020004-03g), Maher part of the Cape Cod Aquifer. The wells are: Airport # 1 of Barnstable and draw water from the Sagamore Lens, from 11 groundwater wells that are located in the Town approximately 9 square miles. The water is obtained Hyannisport, and West Hyannisport comprising populated residential and commercial areas of Hyannis, The Hyannis Water System supplies the most densely

Where Does My Water Come From?

Water Supply Division at 508 775-0063 Call Hans Keijser, Supervisor, Should you ever have questions, we are available to assist you. WaterBoard/?brd=Hyannis+Water+Board. Attp://www.town.barnstable.ma.us/Hyannis. on the Town of Barnstable website: A schedule of these meetings is posted Our meetings are open public meetings on the information contained in this report. We encourage you to share your thoughts with us Opportunities for Public Participation

in meeting the challenges of source water protection. best quality drinking water possible. We remain vigilant our high standards in an effort to continue delivering the delivered to your home or business. We have maintained water and the process by which safe drinking water is hope you will find it helpful to know the sources of your on testing done throughout 2023 as well as prior years. We water quality report. The statistics in this report are based The Hyannis Water Board is proud to present its annual

Report on Water Quality

Department of Environmental Protection. Environmental Protection Agency and Massachusetts Quality Standards set forth by the United States The Hyannis Water System meets all primary Water

brovide the same protection for public health. establish the limits for contaminants in bottled water to Massachusetts Department of Public Health regulations The Food and Drug Administration (FDA) and the in water provided by all public drinking water systems. regulations that limit the amount of certain contaminants U.S. Environmental Protection Agency (EPA) prescribe Department of Environmental Protection (DEP) and To ensure tap water is safe to drink, the Massachusetts

Act in 1974 and amended in 1986 and 1996. enacted by the U. S. Congress as the Safe Drinking Water very closely. The standards that we operate under were monitor all our water sources and distribution system water quality standards for safe drinking water. We broduce the highest quality water that meets or surpasses The Hyannis Water System continuously strives to

Maintaining Water Quality

Staff is available 24/7 £900-*\$LL* (80*\$*) In the event of any emergency call:

Saturday 8 AM to 12 PM Mq c of MA 8 yearly figured yearly MA Office Hours

Supply Division.

by the Barnstable Department of Public Works Water distribution system. Oversight of the contract is provided day operations of the public water supply treatment and service, billing and all other duties required for the day to painting, meter installation and maintenance, customer rehabilitation of four system wells per year, hydrant system, fire hydrants and gate valves, the complete services, inspection and maintenance of the distribution system's pumping stations, cross connection control and maintenance of the water treatment plants and the now Veolia. The operations contract includes operations 16, 2015 United Water was consolidated under Suez and Hyannis Water System on July 1, 2009. As of November United Water Environmental Services began operating the

Hyannis Water System Operations

DISTRIBUTION SYSTEM WATER QUALITY

	Highest %							
	Positive in a	Range						
Microbial Results	Month	Detected	MCL	MCLG	Violation	Possible Source of Contamination		
			>5% Monthly					
Total Coliform Bacteria **	0.0%	0%	Samples Positive	0	No	Naturally present in the environment		
E.coli (in ground water source) **	0%	0%	TT	N/A	No	Human and animal fecal waste		
*Compliance with the Focal Coliform / F. coli MCI, is determined upon additional repeat testing								

ealth Effects: Fecal coliform and E. coli are bacteria whose presence indicates that the water maybe contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps usea, headaches, or other symptoms. They may pose a health risk for infants, young children, some elderly, and people with severely compromised immune systems.

			0041-			# -5 0'4	# of Sites Above		
	Lead & Copper	Dates Collected	90th Percentile	Action Level	MCLG	# of Sites samples	Action Level	Violation	Possible Source of Contamination
ſ	Lead (ppm)	8/1/2023	0	0.015	0	30	0	No	Corrosion of household plumbing systems: Erosion of natural deposits
ŀ	W1 /	, , ,		0.010	_				
L	Copper (ppm)	8/1/2023	0.11	1.3	1.3	30	0	No	Corrosion of household plumbing systems: Erosion of natural deposits

TESTING FOR 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. Hyannis Water System 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 se nours, 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 ested. 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.

SUMMARY OF FINISHED WATER CHARACTERISTICS										
		Highest Detect								
Regulated Contaminants	Date(s) Collected	Value	Range Detected	MCL	MCLG	Violation	Possible Source of Contamination			
Inorganic Contamin										
1,4-Dioxane (ppb)	Quarterly(2023)	0.14	ND - 0.14	0.300	0.3 ppb	Solvent or stab	ilizer used in processing of paper, cosmetics, shampoos, coolant			
Barium (ppm)	10/3/2023	0.018	N/A	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits			
Cadmium (ppm)	10/3/2023	ND	N/A	0.004	0.005	No	Corrosion of galvanized pipes;erosion of natural deposits;discharge from metal refineries;runoff from waste batteries and paints			
Sodium** (ppm)	10/3/2023	57	N/A		20	Yes	Road salting; erosion of natural deposits			
Arsenic (ppm)	10/3/2023	ND	ND	0.01	0.1	No	Run off from orchards; and from glass& electronics production wastes. Erosion of natural deposits.			
Fluoride (ppm)	10/3/2023	ND	N/A	4	4	No	Discharge from fertilizer and aluminum factories; erosion of natural deposits.			
Selenium (ppm)	10/3/2023	ND	ND	0.05	0.05	No	Discharge from petroleum and metal refineries;Erosion of natural deposits; Discharge from mines			
Nitrate* (ppm)	10/3/2023	4.2	ND-4.2	10	10	No	Runoff from fertilizer use: leaching from septic tanks; sewage; erosion of natural deposits			
Perchlorate*** (ppb)	7/11/2023	0.26	ND26	2	-	No	Rocket propellants, fireworks, munitions, flares, blasting agents *(see No note below)*			

king water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby e quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health

odium is a naturally-occurring common element found in soil and water. It is necessary for the normal functioning of regulating fluids in human systems. Some people, however, ave difficulty regulating fluid volume as a result of several diseases, including congestive heart failure and hypertension. The guideline of 20mg/L for sodium represents a level in ater that physicians and sodium sensitive individuals should be aware of in cases where sodium exposures are being carefully controlled. For additional information, contact your balt care provider, your local board of health or the Massachusetts Department of Public Health, Bureau of Environmental Health Assessment at 617-624-5757. erchlorate interferes with the normal function of the thyroid gland and thus has the potential to affect growth and development, causing brain damage and other adverse effects, articularly in fetuses and infants. Pregnant women, the fetus, infants, children up to the age of 12, and people with a hypothyroid condition are particularly susceptible to

(Various Chemical Abstract Service Registry Numbers (CASRN) for different che values are required when the results are above the MDL(0.012) and below the MRL(0.05)

Organic Containing							
Tetrachloroethylene (PCE) (ppb)	1/25/2023	0.63	ND - 0.63	5	-	No	Discharge from factories and dry cleaners
Bromodichloromethane (ppb)	7/18/2023	ND	ND	NA	NA	No	By-product of drinking water chlorination
Chlorodibromomethane ppb)	7/18/2023	ND	ND	NA	NA	No	By-product of drinking water chlorination
Dibromochloromethane	7/18/2023	ND	ND	NA	NA	No	By-product of drinking water chlorination
Bromoform (ppb)	7/18/2023	ND	ND	NA	NA	No	By-product of drinking water chlorination
				ORSG			
Chloroform (ppb)	7/18/2023	ND	ND	70	NA	No	By-product of drinking water chlorination
Stage 2 Disinfectants and Disinfe	ection Byproducts						
Chlorine (ppm)	4th Quarter	0.87	0.81-0.87	4	4	No	Water additive used to control microbes
TTHMs (Stage 2)							
[Total Trihalomethanes] (ppb)	Quarterly	2.2	ND-2.2	80	-	No	By-product of drinking water chlorination
HAA5s (Stage 2) Haloacetic Acids							
(HAA5) (ppb)	Quarterly	1.1	ND - 1.1	60	-	No	By-product of drinking water chlorination (TT)
	•			•		•	•

** Note highest detected value is highest Running Annual Average (RAA). ***Local Running Annual Average

		Highest Detect				
Secondary Contaminants	Date(s) Collected	Value	Range Detected	SMCL	ORSG	Possible Source of Contamination
Magnesium (ppm)	10/18/2023	4.5	2.6-4.5	-	-	Natural Mineral and Organic Matter
Chloride (ppm)	10/18/2023	90	32-90	250	NA	Natural Mineral, Road Salt
Calcium (ppm)	10/18/2023	16	3.4-16	-	-	Natural Mineral and Organic Matter
Copper (ppm)	10/18/2023	0	ND	1	-	Naturally occurring element; corrosion of household plumbing
Iron (ppm)	10/18/2023	0.016	ND-0.016	0.3	NA	Erosion of Natural Deposits, and oxidation of iron components
Manganese (ppm)*	Quarterly	0.058	.022058	0.05	0.3	Erosion of Natural Deposits
Potassium (ppm)	10/18/2023	3.3	1.6-3.3		-	Natural Mineral and Organic Matter
Sulfate (ppm)	10/18/2023	17	6.8 - 17	250	250	Natural Sources
Alkalinity (ppm)	10/18/2023	65	52-65			Natural Sources
Odor (ton)	10/18/2023	0	0	3		Naturally occurring organic materials that form ions when in water; seawater influence
Hardness (ppm)	10/18/2023	58	19-58			Natural Sources
Total Dissolved solids (ppm)	10/18/2023	230	120-230	500		Runoff and leaching from natural deposits; seawater influence
PH	10/18/2023	7.72	6.76-7.72	6.5-8.5		Runoff and leaching from natural deposits; seawater influence
Turbidity (NTU)	10/18/2023	0.54	.2254	-		Soil runoff
Zinc (ppm)	10/18/2023	0.1	.05710	5	NA	Erosion of Natural Deposits, and Industrial Discharge
		<u> </u>				On 1/4/23 we received Manganese results of 0.43 in error from our lab.

Since the sample was taken on 1/4/23 and the follow up sampling happened in the same quarter as the original you can show an averag *EPA has established a lifetime health advisory (HA) for manganese at 0.3ppm and an acute at 1ppl | Highest | finished sample." Per M.A. D.E.P.

Detected

ORSG

Possible Source of Contamination

CMR5 EPA unregulated contaminants Date(s) Collected

ifth Unregulated Contaminant Monitoring Rule (UCMR5)
IPORTANT INFORMATION ABOUT YOUR DRINKING WATER - Availability of Monitoring Data for Unregulated Contaminants for Hyannis Water System s required by US Environmental Protection Agency (EPA), our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water andard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a public health protection standard. As our customers, you have a ght to know that this data is available. If you are interested in examining the results, please contact Hans Keijser at (508) 775-0063 or 47 Old Yarmouth Road Hyannis, MA 02601. his notice is being sent to you by the Hyannis Water System. State Water System ID#: 4020004.

more information visit the AWWA FAQ UCMR 5 link: https://www.epa.gov/system/files/documents/2023-05/CWS_NTNC%20PN%20Handbook_508_March%202023.pdf

CCR Regulated Chart for PFAS detects in 2023

Range Detected

Regulated Contaminant	Date(s) Collected	Range Detected ppt	Average Detected ppt	MCL ppt	Possible Source of Contamination	Health Effects
PFOS, PFOA, PFNA, PFHxS, PFHpA,PFDA	Quarterly	ND	0.0 *	20	Man-made chemicals. Used as surfactants to make products stain or water resistant, in fire-fighting foam, for industrial purposes, and as a pesticide. Used in fluoropolymers (such as teflon) cosmetics, greases and lubricants, paints, adhesives and photographic films. PFOS U.S. manufacturing phased out in 2002; PFOS may still be generated incidentally or in imported products.	Long-term exposure to PFOS and PFOA in drinking water may affect the liver, cholesterol and thyroid hormone levels. Some studies indicate that exposure to elevated levels of PFOS and PFOA could cause immunological effects, developmental effects and some types of cancer in laboratory animals. Scientists are working to better understand the degree of risk to people. Based on studies of laboratory animals and chemical similarity to PFOS and PFOA depending on the level and length of exposure, PFNA, PFHDA and PFDA in drinking water may affect the liver, cholesteral levels, thyroid and immune system and may cause developmental effects.
PerfluoroHexanoic (PFHxA)	Quarterly	ND-5.50	2.545	**		Based on studies of laboratory animals, people exposed to elevated levels of PFHxA for several years could experience effects on the liver. It is less toxic and is cleared from the body much faster than PFOS, PFOA and other longer-chain PFAS.

On October 2, 2020, the Massachusetts Department of Environ ntal Protection (MassDEP) published final regulations establishing a drinking water standard, or a Maximum Conta (MCL), for the sum of six per- and polyfluoroalkyl substances (PFAS). The MCL is 20 partial per trillion (ppt) for what the regulations call PFAS6, or the sum of six PFAS compounds: perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorohexane sulfonic acid (PFHxS), perfluorononanoic acid (PFNA), perfluorohexane sulfonic acid (PFHAS), perfluorohexane sulfonic acid (PFHAS), perfluorohexane sulfonic acid (PFNA), perfluorohexan perfluorodecanoic acid (PFDA). PFAS are a family of chemicals widely used since the 1950s to manufacture common consumer products. They have been linked to a variety of health risks, particularly in women who are pregnant or nursing, and in infants. In using the sum of six PFAS compounds, the new standard protects public health for sensitive subgroups including pregnant women, nursing mothers and infants. Please consult your health practitioner if you have any health related questions. For a consumer factsheet on PFAS see: https://www.mass.gov/doc/

Running Annual Average** There is no ORS Guidline or UCMR3 reference concentration health benchmark for this compound. However, the Minnesota Department of Health established a drinking water guidance value of 2,000 ppt for PFBS. See http://www.health.state.mn.us/divs/eh/risk/guidance/gw/pfbsinfo.pdf_EPA also has draft toxicity assessments for PFBS at

Water Source Characteristics

The sources of drinking water (for both tap and bottled water) include rivers, lakes, streams, ponds, springs, reservoirs 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 materials, and can pick up substances resulting from the presence of animals or human activity Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewer treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- · Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff and residential uses.
- · Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production. These contaminants can also come from gasoline storage, urban storm water runoff, and septic systems.
- · Radioactive contaminants, which can be naturally occurring or be the result of oil or gas production and mining activities.

For Your Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the 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 at (800) 426-4791.

Where to go for more information: The Massachusetts DEP at (617) 292-5885 or www.state.ma.us/dep or the Massachusetts Drinking Water Education Partnership at www.madwep.org.

SAFE DRINKING WATER ACT - WATER QUALITY STANDARD **DEFINITIONS**

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

HA: Health Advisory.

Massachusetts Maximum Contaminant Levels (MMCL): The Massachusetts maximum contaminants listed in the drinking water regulations consist of promulgated US EPA MCLs which have become effective, plus a few MCLs set specifically by Massachusetts.

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 using the best available treatment technology.

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.

Minimum Detection Limit (MDL): Is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte is greater than zero.

Secondary Maximum Contaminant Level (SMCL): These standards are developed to protect the aesthetic qualities of drinking water and are not health based.

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

Primary Standards: Federal drinking water regulations for substances that are healthrelated. Water suppliers must meet all primary drinking water standards.

Secondary Standards: Federal drinking water measurements for substances that do not have an impact on health. These reflect aesthetic qualities such as taste, odor and appearance. Secondary standards are recommendations, not mandates.

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

Massachusetts Office of Research and Standard Guideline (ORSG): This is the concentration of a chemical in drinking water, at or, below which, adverse, non-cancer health effects are unlikely to occur after chronic (lifetime): exposure. If exceeded, it serves as an indicator or the potential for further action.

Third Unregulated Contaminant Monitoring Rule (UCMR3): As required by US Environmental Protection Agency (EPA), our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a public health protection standard.

KEY

CU: Color unit.

NA: Not applicable.

ND: Not detected.

Ug/L: Micrograms per liter=ppb

ppb: Parts per billion. The equivalent of one second in 32 years.

ppm: Parts per million. The equivalent of one second in 12 days.

ppt: Parts per trillion.

pCi/L: Picocuries per liter. The Equivalent of one

second in 32 million years.

NTU: Nephelometric Turbidity Unit.

TON: Threshold Odor Number.

TI: Treatment Technique.