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NPWA water meets or exceeds all State and Federal Safe Drinking Water Act standards.

# 2022

## ANNUAL DRINKING WATER QUALITY REPORT

PWSID#1460034

### **SELLERSVILLE**

This report is being mailed to you as a requirement of the Federal Safe Drinking Water Act.

"A dedicated, professional workforce committed to providing the community with a safe, reliable, and economical water supply."

## EDUCATIONAL INFORMATION

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 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 activity.

#### Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage 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 stormwater 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 stormwater runoff, and residential uses.

- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the US EPA and PA DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) and PA DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the United States Environmental Protection Agency's Safe Drinking Water Hotline at **1-800-426-4791**.



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### INFORMATION ABOUT 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. North Penn Water Authority 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 at 1-800-426-4791 or go to US EPA's website at: http://www.epa.gov/safewater/lead.

### INFORMATION ABOUT ARSENIC

While your drinking water meets US EPA's standard for arsenic, it does contain low levels of arsenic. US EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water.

US EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

## CRYPTOSPORIDIUM AND GIARDIA

Cryptosporidium and Giardia are microbial pathogens found in surface water throughout the United States. In 2021, Forest Park Water monitored the North Branch Neshaminy Creek source water (before treatment) for Cryptosporidium and Giardia. Two rounds of sampling were conducted. Cryptosporidium was not detected in either sampling event. Giardia was detected in 1 out of 2 samples collected. Although Forest Park Water treatment process includes filtration to remove Cryptosporidium and Giardia, the most commonly-used filtration methods cannot guarantee 100 percent removal. Current test methods do not allow us to determine if the organisms are dead

or if they are capable of causing disease. Ingestion of *Cryptosporidium* may cause *cryptosporidiosis*, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at a greater risk of developing life-threatening illness. NPWA encourages immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

# FOREST PARK WATER

Forest Park is a state of the art water treatment facility that combines conventional treatment processes with advanced techniques, which include ozone disinfection and membrane filtration. Membrane filtration is a leading-edge technology capable of consistently producing very high quality water and ensures the plant can safely meet the more stringent federal and state water quality regulations that will be required in the near future. This combination of traditional and innovative water treatment allows Forest Park to produce the safest, highest quality water possible. In 2021, the American Water Works Association's Partnership for Safe Water Program awarded the Forest Park Water Treatment Plant (FPWTP) with the President's Award for the 9th straight year. The President's Award recognizes achieving very stringent individual filter performance turbidity goals, signifying the outstanding operations and maintenance practices at this high-performing water treatment plant. The FPWTP has been involved in the Partnership for Safe Water since 1995 and is a Directors Award recipient since 2002. In 2021, for the 14th consecutive year, Forest Park received the prestigious Area-Wide Optimization Award (AWOP) presented by the Pennsylvania Department of Environmental Protection (PA DEP). The award recognizes outstanding efforts toward optimizing water treatment performance. AWOP is a national optimization effort among 22 states, the US EPA, and the Association of State Drinking Water Administrators.

Notice of Violation: In 2021, the Forest Park Water Treatment Plant was issued a Notice of Violation from the Pennsylvania Department of Environmental Protection (PA DEP) due to a failure to submit mandatory operational reports by the due date. The violation does not pertain to water quality monitoring or the quality of the water that was delivered. This Public Notice is required under PA DEP regulations. The required routine monitoring was performed on time and all test results met or exceeded operational requirements. Clerical issues caused late reporting of the test results to PA DEP for the months of July, August, and September. Forest Park corrected the internal clerical issue so that future violations will not occur. There was no detrimental impact to the consistent delivery of high-quality water from Forest Park. There was no supplemental water source used. There was no potential health or safety concerns for any segment of the population served. There is no need for customer action. Distribution of this information to others is encouraged. If you require further information regarding this issue, please call (215) 855-3617.



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### Below is a list of parameters which NPWA monitored for in 2021 but DID NOT DETECT:

Coliform Bacteria

E. Coli

Inorganic Chemicals (IOCs)

Antimony Beryllium

Cadmium

Chromium Cyanide Mercury Nickel Nitrite

Selenium

Thallium

Synthetic Organic Chemicals (SOCs)

Atrazine

Asbestos

Pentachlorophenol

#### Volatile Organic Chemicals (VOCs)

1,1,1-Trichloroethane

1,1,2-Trichloroethane

1,1-Dichloroethylene

1,2,4-Trichlorobenzene

p-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

o-Dichlorobenzene

Benzene

Carbon tetrachloride

Chlorobenzene

Dichloromethane

Ethylbenzene

Styrene

Toluene

trans-1,2-Dichloroethylene

Trichloroethylene

Vinyl Chloride

Xylenes, total

# HOW NPWA IS PROTECTING THE WATER YOU DRINK

Lead in drinking water typically comes from the corrosion of drinking water service lines and household plumbing materials. Lead is typically not present in drinking water sources like rivers and groundwater. NPWA and FPWTP add orthophosphate to the water during the treatment process. Orthophosphate acts as a corrosion inhibitor by forming a protective film on the interior of pipes.

This film protects the pipe material from the corrosive effects of water, which reduces/ eliminates the potential for lead leaching into the water. The typical phosphate levels found in a liter of drinking water are about one hundred times lower than the phosphate levels found in the average American diet. For example, a person would have to drink ten to fifteen liters of water to equal the amount of phosphates in just one can of soda. People concerned about their health and phosphates added as a corrosion inhibitor to the drinking water, should contact their medical care provider.

To enhance water quality, NPWA performs an annual hydrant flushing program which takes place in the spring of each year. This flushing program helps improve water quality by removing any possible build-up of mineral deposits from the inside of water distribution pipes. NPWA also has an aggressive water main replacement program to improve the quality of water that we deliver to our customers. Old unlined cast iron

mains, that can affect water quality and restrict flow, are replaced on a regular basis. These projects are scheduled when the Pennsylvania Department of Transportation (Penn DOT) or our member municipalities are doing work on the roads to reduce inconvenience to the community.

Since 2011, NPWA has voluntarily participated in the American Water Works Association's (AWWA) Distribution System Optimization Program (DSOP). This program is part of AWWA's Partnership for Safe Water whose objective is to implement preventative programs that focus on optimizing treatment performance and distribution system operations. On an annual basis, NPWA submits assessment reports that evaluate distribution system operations and performance, including factors such as chlorine residuals, pressure levels and frequency of water main breaks. NPWA continually exceeds performance benchmarks set by the program, and has received the Directors Award for its efforts with the DSOP. NPWA's participation in this voluntary program demonstrates our commitment to providing increased public health protection and high quality safe drinking water to our customers.



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Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda.

This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.

Owners of multiple family dwellings, commercial businesses, public housing, or similar situations, are encouraged to post and/or distribute this report. Additional copies are available and can be obtained at North Penn Water Authority's operations center or by calling (215) 855-3617.

This report is also available online at npwa.org.

NPWA water meets or exceeds all State and Federal Safe Drinking Water Act standards.

#### Water System Information

North Penn Water Authority (NPWA) is pleased to present to you this year's Annual Drinking Water Quality Report. This report summarizes the quality of water NPWA provided in 2021. Included are details about where your water comes from, what it contains, and how it compares to United States Environmental Protection Agency (US EPA) and Pennsylvania Department of Environmental Protection (PA DEP) state standards. We are committed to providing you with information because informed customers are our best allies. The Authority's staff of professionals is dedicated to ensuring that our customers receive a safe, economical, and continuous supply of water.

It is important for our valued customers to be informed about their water quality. If you have any questions about this report or regarding your water utility, please contact Shana Constanzer, Public Relations Coordinator, at (215) 855-3617 or visit our website at npwa.org. If you want to learn more about NPWA, please attend any of our regularly scheduled Board of Directors meetings. Meetings are held on the fourth Tuesday of every month at the Authority's operations center located at 300 Forty Foot Road, near the intersection of Forty Foot and Allentown Roads in Towamencin Township. Meetings begin at 7:30 p.m.

#### Sources of Water

In 2021, the sources of water that NPWA delivered to its customers in Sellersville Borough came from Well 6, the well located in West Rockhill Township and treated surface water from the Forest Park Water Treatment Plant (FPWTP) located in Chalfont. As the water leaves FPWTP and travels through the distribution system, a small percentage of groundwater from wells located within Hilltown Township and Telford Borough at times can also contribute to the source of water that serves Sellersville. Water from all groundwater supplies is chlorinated before it is delivered to our customers' homes.

The source of water that is treated at Forest Park Water is the North Branch Neshaminy Creek. The North Branch Neshaminy Creek originates as a small stream near Route 413 in Central Bucks County. The creek flows into Lake Galena, which is the reservoir for Forest Park Water. Water released from Lake Galena continues to flow down the Neshaminy Creek to the FPWTP, in Chalfont, Pennsylvania. Due to the high demand of water from Forest Park, water is pumped from the Delaware River at Point Pleasant and diverted into the North Branch Neshaminy Creek near Gardenville, Pennsylvania. This diversion controls the level of Lake Galena for recreational purposes, ensures a sufficient drinking water supply, and maintains base flow in the stream.

# PEOPLE WITH SPECIAL HEALTH CONCERNS

Some people may be more vulnerable to contaminants 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 about drinking

water from their health care providers. United States Environmental Protection Agency (US EPA) / Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the *Safe Drinking Water Hotline* at 1-800-426-4791.

# MONITORING YOUR WATER

NPWA routinely monitors for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of **January 1 to December 31, 2021**. As you review these tables, you will notice that NPWA water meets or exceeds all primary state and federal Drinking Water

Act standards. The US EPA and PA DEP allow us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.



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### SOURCE WATER ASSESSMENT

A Source Water Assessment of the North Branch Neshaminy Creek Intake, which supplies water to the Forest Park Water Treatment Plant, was completed and prepared by Spotts, Steven & McCoy, Inc. for the PA DEP. The Assessment found that the North Branch Neshaminy Creek Intake is potentially most susceptible to point sources of pollution from auto repair shops, wastewater treatment plants, boating, quarries, on-lot septic systems and gas stations. Non-point sources of potential contamination include major transportation corridors and runoff from areas of urban development, livestock farming, and industrial parks. The most serious potential sources are related to accidental release of a variety of materials along transportation corridors and high nutrients from Lake Galena.

FPWTP has the capability to treat a wide array of contaminants and minimize any negative impacts from such sources. Regular and frequent monitoring of the water supply allows us to identify any concerns and remediate any problems in a timely manner. Contingency plans and emergency response plans are in place to deal with any release of contaminants or accidental occurrences that could compromise the integrity of your drinking water quality.

A Source Water Assessment of Sellersville's groundwater source was completed by the PA DEP. The area around the well is primarily forested and agricultural/undeveloped land with moderate development. The Assessment found that the well was most susceptible to contamination from transportation corridors, agricultural activities, and abandoned landfills. Potential pollutants used or found in residential areas, auto repair shops, cemeteries, and an electroplater also pose a high threat to the well.

Telford Borough Authority (TBA) operates six groundwater wells that draw from the Brunswick Formation aquifer. These wells are located throughout their service territory, which includes Telford Borough and portions of the townships of Franconia, Hilltown, and West Rockhill. A Source Water Assessment of Telford's groundwater sources was completed by the PA DEP. The Assessment found that the water sources are most susceptible to contamination from transportation corridors, auto repair shops, a cemetery, a bus/truck terminal and from residential activities.

Summary reports of the Assessments are available on the Source Water Assessment Summary Reports eLibrary web page: http://www.depgreenport.state.pa.us/elibrary/GetFolder?Folder1D=4490. Complete reports were distributed to municipalities, water suppliers, local planning agencies and PA DEP offices. Copies of the complete reports are available for review at the PA DEP Southeast Regional Office, Records Management Unit at (484)250-5910.

Hilltown Township Water and Sewer Authority (HTWSA) operates 3 groundwater supply wells. HTWSA's wells are located in the East Branch Perkiomen watershed. Well No. 1 is located off Thistle Lane, Well No. 2 is located on South Perkasie Road, and Well No. 5 is located on Route 152. Arsenic treatment and disinfection are conducted at each well facility prior to distribution. A copy of the Source Water Assessment for HTWSA is available for viewing at their office located at 316 Highland Park Road, Hilltown Township.

# North Penn Water Authority serves more than 35,000 customers in the following municipalities:

Hatfield Borough
Lansdale Borough
Sellersville Borough
Souderton Borough
Franconia Township
Hatfield Township
Lower Salford Township
Skippack Township
Towamencin Township

and portions of:
Hilltown Township
Montgomery Township
New Britain Borough
New Britain Township
Salford Township
Upper Gwynedd Township
Upper Salford Township
West Rockhill Township
Worcester Township

## **DETECTED SAMPLE RESULTS**

North Penn Water Authority - Sellersville - PWSID # 1460034

Table includes results for Forest Park Water Treatment Plant (FPWTP), Sellersville Well 6, Hilltown Township Wells (H) and Telford Borough Wells (T)

CHEMICAL CONT	IAIYIIN	MAIN I S						
Contaminant	MCL	MCLG	Highest Level Detected	Range of Detections	Units	Sample Date	Violation Yes/No	Sources of Contamination
Bromate	10	0	2.5	1.6 – 2.5	ppb	2021	No	By-product of drinking water chlorination
Arsenic	10	0	4.0 4.1 (H) 6.0 (T)	0 – 4.0 0 – 4.1 (H) 3.0 – 6.0 (T)	ppb	2021	No	Erosion of natural deposits; Runoff from orchards; Runof from glass and electronics production wastes
Barium	2	2	0.065 0.21 (H) 0.333 (T)	0.017 - 0.065 0.06 - 0.21 (H) 0.074 - 0.333 (T)	ppm	2021	No	Discharge of drilling wastes Discharge from metal refineries; Erosion of natural deposits
Fluoride	2	2	0.119 0.174 (T)	0 – 0.119 0 – 0.174 (T)	ppm	2021	No	Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Nitrate	10	10	0.812 1.42 (H) 3.2 (T)	0 – 0.812 0 – 1.42 (H) 1.2 – 3.2 (T)	ppm	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
cis-1,2- Dichloroethylene	70	70	3.45	0 – 3.45	ppb	2021	No	Discharge from industrial chemical factories
Tetrachloroethylene	5	0	0.676	0 – 0.676	ppb	2021	No	Discharge from factories and dry cleaners
Trichloroethylene	5	0	0.724	0 – 0.724	ppb	2021	No	Discharge from metal degreasing sites and other factories
Xylenes	10	10	0.0025 (T)	0 – 0.0025 (T)	ppm	2021	No	Discharge from petroleum factories; Discharge from chemical factories
Alpha Emitters	15	0	1.05 7.71 (H) 9.66 (T)	1.05 5.01 – 7.71 (H) 6.15 – 9.66 (T)	pCi/L	2017, 2018, & 2020	No	Erosion of natural deposits
Combined Radium (Radium 226 and 228)	5	0	0.491	0.491	pCi/L	2017	No	Erosion of natural deposits
Uranium	30	0	1.17 10.9 (H) 8.40 (T)	1.17 7.85 – 10.9 (H) 4.31 – 8.40 (T)	µg/L	2017, 2018, 2019, & 2020	No	Erosion of natural deposits
Haloacetic Acids (HAAs) <sup>b</sup>	60	N/A	15.7°	0 – 30.7	ppb	2021	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHMs)°	80	N/A	31.1°	0.55 – 73.6	ppb	2021	No	By-product of drinking water chlorination

<sup>&</sup>lt;sup>a</sup> Compliance is based on a running annual average of quarterly results. This value represents the highest running annual average result, not a single sample result.

<sup>&</sup>lt;sup>c</sup> TTHMs = sum of - bromoform, bromodichloromethane, chlorodibromomethane, and chloroform

DISTRIBUTION DISINFECTANT RESIDUAL									
Contaminant	MRDL	MRDLG	Highest Monthly Average Result	Range of Monthly Average Results	Units	Sample Date	Violation Yes/No	Sources of Contamination	
Chlorine	4	4	1.10	0.95 - 1.10	ppm	2021	No	Water additive used to control microbes	

As a member of the Partnership for Safe Water's Distribution System Optimization Program (DSOP), our goal is to achieve distribution chlorine residual levels  $\geq 0.20$  mg/L and  $\leq 4.0$  mg/L. In 2021, we accomplished this. 100% of all samples met this goal.

b HAAs = sum of - dibromoacetic acid, dichloroacetic acid, monobromoacetic acid, monochloroacetic acid, and trichloroacetic acid

# DETECTED SAMPLE RESULTS (CONTINUED)

### North Penn Water Authority — Sellersville — PWSID # 1460034

Table includes results for Forest Park Water Treatment Plant (FPWTP), Sellersville Well 6, Hilltown Township Wells (H) and Telford Borough Wells (T)

ENTRY POINT DISINFECTANT RESIDUAL

Contami	nant	Minimum Disinfectant Residual Required	L	owest evel tected		nge of		Units	Sample Date		Violatior Yes/No		Source		es of Contamination		
Chlorine –	nlorine – Wells 0.40		0.4	).53 46 (H) .5 (T)	H) 0.46 –		(H)	ppm	2021	l	No	Wa	Water addit		ive used to control microbes		
Chlorine –	FPWTP	0.20	C	).95	0.95	5 – 1.7	79	ppm	2021	1	No W		Water additive used to control mic			ntrol microbes	
TURBIDI	TY AT	FOREST PAR	K W	ATER 1	rea1	MEN	NT PI	LANT	(FPW	VTP	)						
Contaminan	t	MC	L		1			hest Levetected	el [	Rang Detec	ge of ctions	Samp Date					
	TT	=1 NTU for a sin	gle m	e measuremen		N/A		0.06	0.	.03 – 0.06		202	1 N	o			
Turbidity	TT	= at least 95% of less than or equ				N/A	100%			N,	V/A 202		1 N	o	Soil runoff		
Turbidity is a mea achieve <0.1 NTL	sure of the J. In 2021,	cloudiness of water. We mo	nitor it be % of all s	ecause it is c samples wer	a good indi e <0.1 NTI	cator of th J.	ie effectiv	eness of o	ur filtratior	n syste	m. As a me	mber of th	ne Partnership	for Safe	Drinking Wate	er, our goal is to	
LEAD AN	ND CC	DPPER – Tested	at C	Custom	ers' Ta	aps											
Contamina				MCLG Per		th ntile ue	Units	of	lumber Sample bove Al	S	Sample Date		Violation Yes/No	1 Sc	Sources of Contamination		
Lead		90% of homes must test less than 15 ppb		0	2.0		ppb	0 0	ut of 6	5	1/1/21 to 6/30/21		No		orrosion of household umbing systems		
Copper	te	90% of homes m est less than 1.3 p	ust ppm	1.3	0.278		ppm	0 0	ut of 6	5	1/1/21 to 6/30/21		No		Corrosion of househo		
LEAD AN	ND CC	DPPER – Tested	at C	Custom	ers' Ta	aps											
Contaminant	Act	tion Level (AL)	MCLC		Percent Value	ile U	nits 1	Numbei Ab	of San	nples	Sampl	e Date	Violatio Yes/No		ources of	Contamination	
Lead		of homes must ess than 15 ppb	0 20			p	opb 0 out a			of 63 7/1/3			No		Corrosion of household plumbing systems		
Copper		20% of homes must st less than 1.3 ppm			.3 0.188			0 out o		3 7/1/21 1 12/31/2		21 to 1/21	No		Corrosion of househo		
UNREGL	JLATE	D CONTAMIN	IAN	TS - PI	ER- A	ND P	OLYI	FLUO	ROAI	LKY	/L SUE	STA	NCES (P	FAS)			
PFAS chemicals are among a family of man-made compounds that have been used for decades as ingredients to make products that resist heat, oil, stains, grease and water, and are used in foam products for firefighting. These unregulated compounds are not included on either the US EPA's or PA DEP's Safe Drinking Water Act Primary or Secondary listing of contaminants. There is, however, a US EPA Health Advisory Level (HAL) for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). Currently, PFOA and PFOS have a combined health advisory level of 70 ppt. Due to recent concerns in the region regarding PFAS chemicals, NPWA and Forest Park Water proactively conducted PFAS sampling in 2021.																	
PFAS at Forest Park Water Treatment Plant (FPWTP)																	
	Contaminant			Average Level Detec				d		Range of Dete					Inits	Sample Date	
Perfluorood	Perfluorooctanoic acid (PFOA)			1.9					$\perp$	0 – 2		2.5		ı	ppt	2021	
Perfluorood	Perfluorooctanesulfonic acid (PFOS) (a			Not detect (all samples less than						N/A		A		ı	ppt	2021	
PFOA + PFOS*						1.9					0 – 2	2.5			ppt	2021	
*PFOA + PF	*PFOA + PFOS have a combined health advisory (HA) level of 70 ppt  Per- and polyfluoroalkyl Substances (PFAS) NOT DETECTED at Forest Park Water																
D (I ) .	ır		,				_			TEC						IC	
	Perfluorobutanesulfonic acid Perfluorohe (PFBS) (PF					Perfluor	ohexar (PFF	nesulfonio 1xS)	acid						anesulfonic acid PFOS)		

# **DETECTED SAMPLE RESULTS (CONTINUED)**

#### North Penn Water Authority — Sellersville — PWSID # 1460034

Table includes results for Forest Park Water Treatment Plant (FPWTP), Sellersville Well 6, Hilltown Township Wells (H) and Telford Borough Wells (T)

PFAS at Sellersville Well 6+									
Contaminant	Level Detected	Units	Sample Date						
Perfluorohexanesulfonic Acid (PFHxS)	2.6	ppt	2021						
Perfluorononanoic Acid (PFNA)	3.3	ppt	2021						
Perfluoroheptanoic Acid (PFHpA)	23.5	ppt	2021						
Perfluorobutanesulfonic Acid (PFBS)	10.5	ppt	2021						
Perfluorohexanoic Acid (PFHxA)	54.3	ppt	2021						
Perfluorooctanoic acid (PFOA)	13.5	ppt	2021						
Perfluorooctanesulfonic acid (PFOS)	13.8	ppt	2021						
PFOA + PFOS*	27.3	ppt	2021						

\*PFOA + PFOS have a combined health advisory (HA) level of 70 ppt

+ Well currently not in service.

#### Per- and polyfluoroalkyl Substances (PFAS) NOT DETECTED at Sellersville Well 6

Perfluorodecanoic acid (PFDA)
Perfluorododecanoic acid (PFToA)
Perfluorotridecanoic acid (PFTrDA)
Perfluoroundecanoic acid (PFUnA)
Perfluorotetradecanoic acid (PFTA)

N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)

N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)
Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX)
9-Chlorohexadecafluoro-3-oxanonane-a-sulfonic acid (9Cl-PF3ONS)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)

### DEFINITIONS

In the following tables you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms, we've provided the following definitions:

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

- Minimum Residual Disinfectant Level (MinRDL): The minimum level of residual disinfectant required at the entry point to the distribution system.
- Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- NTU: Nephelometric turbidity unit is a measure of the clarity of water.
- N/A: Not Applicable
- pCi/L: picocuries per liter (a measure of radioactivity)
- $\bullet$  ppm: parts per million, or milligrams per liter (mg/L) 1 ppm corresponds to 1 second in 11.5 days
- ppb: parts per billion, or micrograms per liter ( $\mu$ g/L) 1 ppb corresponds to 1 second in 32 years
- ppt: parts per trillion, or nanograms per liter (ng/L) 1 ppt corresponds to 1 second in 32,000 years