TABLE OF DETECTED CONTAMINANTS – VILLAGE OF PERRY

Contaminant	Unit of Measurement	Date of Sample	Level Detected low/high range Average mg/L	Regulatory Limit (MCL, TT or AL)	MCLG	Violation Yes/no	Likely Source of Contamination
Fluoride	Mg/l	Daily Average	0.29 mg/L - 1.27 mg/L 0.79 mg/L	2.2	N/A	No	Added to water to prevent tooth decay
Distribution System Turbidity	NTU	Daily Average	0.08 - 0.33 0.21	5.0	N/A	No	
Turbidity-Entry point	NTU	7/22/2019	0.045	TT = < 1.0 NTU	N/A	No	Soil runoff
(highest recorded event)							
Sodium	Mg/l	12/6/2018	22.3	See "What Does information mean"	No	No	Naturally occurring; Road salt; water softeners; Animal waste
Chloride	Mg/l	12/6/2018	35.8	250	No	No	Naturally occurring or indicative of road salt contamination
Sulfate	Mg/l	12/6/2018	13.0	250	No	No	Naturally occurring
TOC	Mg/l	Monthly	2.4 - 3.8 2.9	NA	N/A	NA	Naturally present in environment
Turbidity – Entry point	NTU		100% of < 0.3 NTU	TT = 95% of samples	N/A	No	Soil runoff
*Lead & Copper	90th percentile						
*Copper	Mg/l	8/27/2019	0.031	1.3	N/A	No	Home plumbing corrosion, natural erosion
Chlorine Residual-Entry Point	Mg/l	Continuous	0.75 mg/L - 2.70 mg/L Avg 1.61 mg/L	4	N/A	No	Water additive used to control microbes
Total Trihalomethanes (TTHM)	Ug/l	Quarterly	49.0 ug/L - 104 ug/L Highest avg. 72.2 ug/L	80 ug/l	N/A	No	By-product of water chlorination
Haloacetic Acids (HAA5)	Ug/l	Quarterly	25.9 ug/L – 46.2 ug/L Highest avg. 40.8 ug/L	60 ug/l	N/A	No	By-product of water chlorination
Nitrate	Mg/l	12/6/2018	0.673	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Barium	Mg/L	12/11/2019	0.0195	2	2	No	Erosion of natural deposits

* The level presented represents the 90th percentile of the 22 sites tested. 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 90% of the lead and copper values detected at your water system.

The range of values for lead are: ND and for copper is 0.0029 - 0.125 Mg/L. No samples were above the action levels.

*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. Our highest single turbidity measurement for the year occurred on 7/22/2019 (0.045 NTU). State regulations require that turbidity must always be less than or equal to 1.0 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 0.3 NTU. One hundred percent of samples taken in 2019 were below < 0.3 NTU.

TABLE OF DETECTED CONTAMINANTS – TOWN OF PERRY

Contaminant	Unit of Measurement	Date of Sample	Level Detected low/high range Average	Regulatory Limit (MCL, TT or AL)	MCLG	Violation Yes/no	Likely Source of Contamination
Trihalomethanes							
Haloacetic Acid	Ug/L	Quarterly	55.0 ug/L – 80.2 ug/L Highest Avg 70.3 ug/L	80 ug/L	N/A	No	By-product of water chlorination
Chlorine Residual	Ug/L	Quarterly	34.5 – 44.9 ug/L Highest Avg. 45.0 ug/L	60 ug/L	N/A	No	By-product of water chlorination
	Mg/L	Continuous	0.28 mg/L - 2.10 mg/L Avg. 1.02 mg/L	4	N/A	No	Water additive used to control microbes

The Town of Perry exceeded the MCL for THM on 1 test samples. The system is not currently in violation.