

# Annual Water Quality Report

## Detected Sample Results (Water Quality Table)

**PINE GROVE ESTATES**

**PWSID # 2640049**

**January 1, 2018 to December 31, 2018**

### Disinfection

Contaminant/ Unit of Measure	Annual Monthly Average	Highest Monthly Average	Lowest Monthly Average	Compliance Achieved	MRDL Allowed
Chlorine, mg/L	1.99	2.22	0.98	Yes	4.0

### Radioactive Contaminants

Contaminant/ Unit of Measure	Date Tested	Violation Yes/No	ENTRY POINTS 101/102/103/104 Level Detected		MCL	MCLG (Goal)	Source of Contamination
Gross Alpha, pCi/L	12/19/2016	No	21.6	3.37 / N/D / 7.47	15	<15	Erosion of natural deposits
Radium-226, pCi/L	12/19/2016	No	N/D	N/D / N/D / N/D	<5	<5	Erosion of natural deposits
Radium-228, pCi/L	12/19/2016	No	N/D	N/D / N/D / 1.18	<5	<5	Erosion of natural deposits
Uranium, pCi/L	12/19/2016	No	3.1	/ / 3.2/	30,000	<30,000	Erosion of natural deposits

### InOrganic Chemicals

Contaminant/ Unit of Measure	Date Tested	Violation Yes/No	Level Detected		MCL mg/L	MCLG (Goal)	Source of Contamination
			ENTRY POINTS 101, 102, 103, 104				
Barium, mg/L	11/14/2018	No	0.036	0.24 / 0.071 / 0.071	2	<2	Erosion of natural deposits. Discharge of drilling wastes and refineries.
Nickel, mg/L	11/14/2018	No	N/D	ND / ND / ND			
Nitrate, mg/L	6/27/2017	No	0.44	0.99 / 0.97 / 0.96	10	<10	Runoff from fertilizer; leaching from septic tanks; erosion of natural deposits.
Nitrite, mg/L	6/27/2017	No	ND	ND / ND / ND	1		
Arsenic (IOC), mg/L	11/14/2018	No	ND	0.0057 / 102	0.01	<.01	

\*\*Nitrate and Arsenic (IOC) Samples Taken at ENTRY POINT

### Lead and Copper Rule Compliance Monitoring

Contaminant/Unit of Measure	Date Tested	Action Level	MCLG	Level Detected	Number of Sites above A.L.	Violation	Likely Source of Contamination
Copper/ppm	8/17/2016	1	<1.0	0.035	0 out of 5	None	Corrosion of household plumbing systems, erosion of natural deposits
Lead/ppm	8/17/2016	1.3	<1.0	ND	0 out of 5	None	Corrosion of household plumbing systems, erosion of natural deposits

### Trihalomethanes/HaloAcetic Acids

Contaminant Unit of Measure	Date Tested	Level Detected		Violation Yes/No	MCL mg/L
		SITE'S 701, 702, 703, 704			
Trihalomethanes	12/18/2018	3.1	2.6 / 1.2 / <0.5	No	0.08
Haloacetic Acids	12/18/2018	<2.0	<2.0 / <2.0 / <2.0	No	0.06

**SAMPLES FOR 21 VOLATILE ORGANIC CONTAMINANTS (VOC'S) WERE NOT TAKEN IN 2018 - THEY WILL BE SAMPLED IN 2019**

**SAMPLES FOR INORGANIC CHEMICALS (IOC'S) WERE NOT DETECTED IN 2018**