

VILLAGE OF PLEASANTVILLE WATER SYSTEM - Table 1
2014 Water Analysis

Contaminants (units)	Violation Yes or No	Date of Sample	MCL	Village Results 2014 - Average	MCLG	Major Sources in Drinking Water
Turbidity (in distribution system)	No	1 per Day	5.0 NTU	0.07 NTU	n/a	Soil runoff, Turbidity is a measurement of the cloudiness of the water.
Disinfection Byproducts - Two Testing Sites						
29 Cornell Street Site TTHMs [Total - Trihalomethanes] (ppb)	No	Quarterly	80 ug/L	10.83 ug/L	n/a	By-product of drinking water chlorination.
29 Cornell Street Site Haloacetic acids	No	Quarterly	60 ug/L	3.53 ug/L	n/a	By-product of drinking water chlorination.
Ridgeview Tanks Site TTHMs [Total - Trihalomethanes] (ppb)	No	Quarterly	80 ug/L	13.46 ug/L	n/a	By-product of drinking water chlorination.
Ridgeview Tanks Site Haloacetic acids	No	Quarterly	60 ug/L	6.08 ug/L	n/a	By-product of drinking water chlorination.
Chlorine Residual (distribution system)	No	1 x per Day	4 mg/L	0.2-1.0 mg/L	n/a	By-product of drinking water chlorination.
Contaminant	Violation Yes or No	Date of Sample	Level Detected (Maximum) (Range)	Unit Measurement	Action Level	Likely Sources of Contamination
Lead	No	6/1 - 9/1/2014	0.0 ¹ - 2.2 - 6.3 ug/L	ug/L	15.0 ug/L	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	No	6/1 - 9/1/2014	80.4 ² 12.0-175 ug/L	ug/L	1300 ug/L	Corrosion of household plumbing systems; Erosion of natural deposits.
Inorganic Contaminants						
New Castle Results						
Turbidity (at treatment plant)	No	Every 4 hrs.	0.3 NTU	0.034 NTU	n/a	Soil runoff, Turbidity is a measurement of the cloudiness of the water.
Fluoride (mg/L)	No	Every 4 hours	2.2	0.87mg/L	n/a	Erosion of natural deposits; Water additive which promotes good teeth; Discharge from fertilizer and aluminum factories
Nitrate (mg/L)	No	10/7/13	10	0.13 mg/L	10	Runoff from fertilizer use. Leaching from septic tanks; Erosion of natural deposits
Barium (ug/L)	No	10/7/13	2000 ug/L	7.6 ug/L	2000	Erosion of natural deposits.
Chloride (mg/L)	No	10/7/13	250 mg/L	9.76 mg/L	n/a	Erosion of natural deposits; Road salt
Sodium (mg/L)		10/7/13	N/A Levels are within HD Guidelines.	8.77 mg/L	n/a	Road Salt. Water containing more than 20 mg/L of sodium should not be used for drinking by people who are on severely restricted diets. L/T 270 mg/L for moderate diets.
Sulfate (ppm)	No	10/7/13	250 mg/L	3.73 mg/L	n/a	Erosion of natural deposits.
Zinc (ug/L)	No	10/7/13	5000 ug/L	9.9 ug/L	n/a	Erosion of natural deposits.
Gross Alpha (pCi/L)	No	10/15/13	15	0.43 pCi/L	0	Decay of natural deposits, or man-made emissions.
Gross Beta (pCi/L)	No	10/15/13	50	0.16 pCi/L	0	Decay of natural deposits, or man-made emissions.
Unregulated Contaminants						
Chromium (mg/L) Annual Average	No	Quarterly	n/a	0.22 ug/L	n/a	Erosion of natural deposits.
Strontium (mg/L) Annual Average	No	Quarterly	n/a	17 ug/L	n/a	Erosion of natural deposits.
Hexavalent Chromium (mg/L) Annual Average	No	Quarterly	n/a	0.05 ug/L	n/a	Erosion of natural deposits.
Miscellaneous Analytes						
Hardness (mg/L)	No	10/7/13		15.0 mg/L	n/a	A combination of mineral constituents such as calcium and magnesium salts. 0-45 = soft water, 46-90 = soft to moderately hard, 91-130 = moderately hard to hard.
Alkalinity (mg/L)	No	10/7/13	n/a	16.1 mg/L	n/a	A measure of the alkaline constituents of water, mostly bicarbonates.
Calcium	No	10/7/13	n/a	6.03 mg/L	n/a	A measure of the alkaline constituents of water.
pH (units)	No	10/7/13	n/a	7.26 units	n/a	A measure of the intensity of the basic or acidic condition of a liquid. Neutral water is a pH of 7.
Total Dissolved Solids	No	10/7/13	n/a	42.0 mg/L	n/a	A measure of dissolved solids in water.
Lead and Copper -1&2- Levels presented represent the 90th percentile of 20 lead and copper sites tested annually. A percentile is a value on a scale of 100 that indicates the percent of the distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead or copper values detected in our water system. In this case, 20 samples were collected in our water system and the 90th percentile values annually for lead was 0.0 ug/L and for copper 80.4 ug/L. The action level for lead (15 ug/L) was not exceeded and the action level (1300 ug/L) for copper was not exceeded in 2014.						

LOQ = Limits Of Quantitation

pCi/L = picocuries per liter (a measure of radioactivity)

NTU = nephelometric turbidity units

MCLG = maximum contaminant goal

PPM = parts per million

AL = action level

PPB = parts per billion or micrograms per liter (ug/L)

L/T = Less Than

MCL = maximum contaminant level

TT = treatment techniques

MCL= The highest level of a contaminant that is allowed in drinking water, and are set as close to the MCLGs as feasible.

MCLG= The level of a contaminant in drinking water below which there is no known or expected risk to health.