

**VILLAGE OF PLEASANTVILLE WATER SYSTEM - Table 1
2015 WATER ANALYSIS**

Contaminants (units)	Violation Yes or No	Date of Sample	MCL	Village Results 2015	MCLG	Major Sources in Drinking Water
Turbidity (in distribution system)	No	1 per Day	5.0 NTU	0.09 NTU	n/a	Soil runoff, Turbidity is a measurement of the cloudiness of the water.
Chlorine Residual (in distribution system)	No	1 x per Day	4 mg/L	0.7 mg/L	n/a	By-product of drinking water chlorination.
Disinfection Byproducts - Two Locations						
157 Mountain Rd. Site TTHMs [Total - Trihalomethanes] (ppb)	No	Quarterly	80 ug/L	8.69 ug/L ³ 3.07-11.38ug/L ⁴	n/a	By-product of drinking water chlorination.
157 Mountain Rd. Site Haloacetic acids	No	Quarterly	60 ug/L	4.46 ug/L ³ 3.87-5.23 ug/L ⁴	n/a	By-product of drinking water chlorination.
Ridgeview Tanks Site TTHMs [Total - Trihalomethanes] (ppb)	No	Quarterly	80 ug/L	18.93 ug/L ³ 7.15-27.37 ug/L ⁴	n/a	By-product of drinking water chlorination.
Ridgeview Tanks Site Haloacetic acids	No	Quarterly	60 ug/L	7.795 ug/L ³ 5.47-10.69 ug/L ⁴	n/a	By-product of drinking water chlorination.
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	0.73mg/L	n/a	Erosion of natural deposits; Water additive which promotes good teeth; Discharge from fertilizer and aluminum factories
Nitrate (mg/L)	No	10/14/15	10	0.11 mg/L	10	Runoff from fertilizer use. Leaching from septic tanks; Erosion of natural deposits
Barium (ug/L)	No	10/16/15	2000 ug/L	7.6 ug/L	2000	Erosion of natural deposits.
Chloride (mg/L)	No	10/21/15	250 mg/L	12.80 mg/L	n/a	Erosion of natural deposits; Road salt
Sodium (mg/L)	No	10/13/15	N/A Levels are within HD Guidelines.	10.40 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	10/21/15	250 mg/L	4.02 mg/L	n/a	Erosion of natural deposits.
Zinc (ug/L)	No	10/16/15	5000 ug/L	<LOQ 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.
Miscellaneous Analytes						
Hardness (mg/L)	No	10/13/15	n/a	21.0 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	10/13/15	n/a	14.70 mg/L	n/a	A measure of the alkaline constituents of water, mostly bicarbonates.
Calcium	No	10/13/15	n/a	6.42 mg/L	n/a	A measure of the alkaline constituents of water.
pH (units)	No	10/6/15	n/a	7.23 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	10/8/15	n/a	48.0 mg/L	n/a	A measure of dissolved solids in water.
Contaminant	Violation Yes or No	Date of Sample	Level Detected (Maximum) (Range)	Unit Measurement	Action Level	Likely Sources of Contamination
Lead	No	7/1 - 9/2015	< LOQ ¹ < LOQ - 1.3 ug/L	ug/L	15.0 ug/L	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	No	7/1 - 9/2015	88.7 ² 11.2-163 ug/L	ug/L	1300 ug/L	Corrosion of household plumbing systems; Erosion of natural deposits.

1&2 Lead and Copper 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 <LOQ ug/L and for copper 88.7 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 2015. Reference 3 is the Locational Running Annual Average of the Quarterly results. Reference 4 is the Range of the lowest and highest 2015 Quarterly results.

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.