

Comparison of Port LaBelle to New York City Drinking Water

PLUS compared to NYC	Physical and Chemical Parameters	Units	New York (NYC) <sup>1</sup>	Port LaBelle (PLUS) <sup>2</sup>	EPA Limit	Sources in Drinking Water
better	Barium	mg/L	0.02	0.002	2	Erosion of natural deposits
better	Color	color units	8	1		Presence of iron, manganese, and organics in water
better	Fluoride	mg/L	1.0	0.05	2.2	Erosion of natural deposits; additive which promotes strong teeth
better	Iron	mg/L	0.15	0.016	0.3	Naturally occurring
better	Magnesium	mg/L	7.0	2.6		Erosion of natural deposits
better	Manganese	mg/L	0.061	0.001	0.3	Naturally occurring
better	Nitrate	mg/L NO3-N	1.11	0.08	10	Runoff from fertilizer use; erosion of natural deposits
better	Phosphate	mg/L	3.7	0.01		Water additive for corrosion control
better	Strontium	mg/L	0.06	0.01		Erosion of natural deposits
better	Sulfate	mg/L	17.9	1.3	250	Naturally occurring
similar	Chloride	mg/L	36	37	250	Naturally occurring; road salt
similar	Hardness	mg/L CaCO3	76	91		Erosion of natural deposits
similar	Nitrite	mg/L NO2-N	0.002	0.01	1	Runoff from fertilizer use; erosion of natural deposits
similar	Potassium	mg/L	1.4	2.2		Erosion of natural deposits
similar	Sodium	mg/L	21	32		Naturally occurring; road salt
similar	Dissolved Solids	mg/L	156	188	500	Metals and salts naturally occurring in the soil; organic matter
similar	Organic Carbon	mg/L carbon	1.7	1.0		Organic matter naturally present in the environment
worse	Turbidity	NTU	0.9	1.5	5	Soil runoff
worse	Alkalinity	mg/L CaCO3	45	114		Erosion of natural deposits
worse	Silica	mg/L	6.0	15.4		Erosion of natural deposits

<sup>1</sup> Average of three NYC system sources (Catskills, Croton & groundwater) as measured in 2003 (<http://nyc.gov/html/dep/pdf/wsstat03.pdf>)

<sup>2</sup> As sampled by PLUS on January 23, 2008 and analyzed by Short Environmental Labs, Inc.