

# APPENDIX B-6

## Potable Water (Drinking Water) Data

**TABLE B-6A**  
2010 Radioactivity and Water Quality Results in Potable Water at the WVDP

Analyte	Units	N	WNDNKMP	WNDNKEL	Standard <sup>a</sup>
Gross Alpha	μCi/mL	1	-0.90±3.32E-10	NA	1.5E-08
Gross Beta	μCi/mL	1	9.53±7.06E-10	NA	5E-08
Tritium	μCi/mL	1	0.55±4.67E-08	NA	2E-05
Haloacetic Acids-Five (5)	mg/L	1	NA	0.015	0.06
Total Trihalomethanes	mg/L	1	NA	0.053	0.08

N - Number of samples

NA - Not applicable, constituent not analyzed

<sup>a</sup> New York State Department of Health MCLs for drinking water used as a comparative reference.

**TABLE B-6B**  
2010 Water Quality Results in Utility Room Potable Water (Entry Point 002)

Analyte	Units	N	Utility Room Concentrations		Standard or Guideline <sup>a</sup>
			Minimum	Maximum	
Antimony, Total	mg/L	1	NA	<0.0004	0.006
Arsenic, Total	mg/L	1	NA	<0.001	0.05
Barium, Total	mg/L	1	NA	<0.20	2.00
Beryllium, Total	mg/L	1	NA	<0.0003	0.004
Cadmium, Total	mg/L	1	NA	<0.001	0.005
Chromium, Total	mg/L	1	NA	<0.007	0.10
Cyanide, Total	mg/L	1	NA	<0.010	0.2
Fluoride	mg/L	1	NA	<0.20	2.2
Free Residual Chlorine	mg/L	1,094	0.10	1.97	0.2–4.0
Iron, Total	mg/L	1	NA	<0.050	0.3
Manganese, Total	mg/L	1	NA	<0.010	--
Mercury, Total	mg/L	1	NA	<0.0002	0.002
Nickel, Total	mg/L	1	NA	<0.005	--
TOC	mg/L	4	1.1	2.8	--
Selenium, Total	mg/L	1	NA	<0.002	0.05
Thallium, Total	mg/L	1	NA	<0.0003	0.0005
Turbidity	NTU	2,190	0.1	0.9	1.0 <sup>b</sup>
Zinc, Total	mg/L	1	NA	<0.010	--

Note: Chemical constituent sampling is required by, and reported to, the Cattaraugus County Department of Health.

N - Number of samples

NA - Not applicable, constituents sampled annually

NTU - Nephelometric Turbidity Unit

TOC - Total organic carbon

-- No guideline or standard available for these analytes

<sup>a</sup> New York State Department of Health MCLs for drinking water or EPA MCLGs, whichever is more stringent.

<sup>b</sup> A treatment standard of 0.3 NTU applies to the 95th percentile on a monthly basis.

**TABLE B-6C**  
**2010 Water Quality Results in Utility Room Raw (Untreated) Water**

<i>Analyte</i>	<i>Units</i>	<i>N</i>	<i>Untreated Raw Water Concentrations</i>		
			<i>Minimum</i>	<i>Average</i>	<i>Maximum</i>
<b>Alkalinity</b>	mg/L	4	53.2	70.8	92.9
<b>Iron, Total</b>	mg/L	53	0.16	2.5	21.2
<b>Solids, Total Dissolved</b>	mg/L	18	58	134	195
<b>TOC</b>	mg/L	4	1.9	2.5	3.5

Note: Chemical constituent sampling is required by, and reported to, the Cattaraugus County Department of Health.  
 N - Number of samples  
 TOC - Total organic carbon

**TABLE B-6D**  
**2010 Biological and Chlorine Results From Various Site Tap Water Locations**  
**(Analyzed by Cattaraugus County Health Department)**

<i>Analyte</i>	<i>Units</i>	<i>N</i>	<i>Various Site Tap Water Locations Results</i>	<i>Standard<sup>a</sup></i>
<b>E. coli</b>	NA	12	Negative	one positive sample
<b>Free Residual Chlorine</b>	mg/L	12	Range: 0.03–1.26	4.0 (max)
<b>Total Coliform</b>	NA	12	Negative	two or more positive samples

N - Number of samples  
 NA - Not applicable  
<sup>a</sup> New York State Department of Health MCLs for drinking water or EPA MCLGs, whichever is more stringent

**TABLE B-6E**  
**2010 Nitrate Results From the Utility Room Raw Tap Water**  
**(Analyzed by Cattaraugus County Health Department)**

<i>Analyte</i>	<i>Units</i>	<i>N</i>	<i>Date Collected</i>	<i>Annual Concentration</i>	<i>Standard<sup>a</sup></i>
<b>Nitrate-N</b>	mg/L	1	3/2/2010	<1.0	10

N - Number of samples  
<sup>a</sup> New York State Department of Health MCLs for drinking water or EPA MCLGs, whichever is more stringent