

**APPENDIX D: AMBIENT AIR QUALITY STANDARDS**

**Table D-1. Ambient Air Quality Standards**

<b>Pollutant</b>	<b>NAAQS Primary Standard Level</b>	<b>NAAQS Standard Primary Standard Avg. Period</b>	<b>NAAQS Secondary Standard Level</b>	<b>NAAQS Secondary Standard Avg. Period</b>	<b>NYS Standard Level</b>	<b>NYS Standard Avg. Period</b>
Carbon Monoxide	9 ppm (10 mg/m <sup>3</sup> )	8-hour	None	None	9 ppm	8-hour (maximum)
Carbon Monoxide	35 ppm (40 mg/m <sup>3</sup> )	1-hour <sup>(1)</sup>	None	None	35 ppm	1-hour (maximum)
Lead	0.15µg/m <sup>3</sup> <sup>(2)</sup>	Rolling 3-month average	Same as primary	Same as primary	None	None
Nitrogen Dioxide	53 ppb	Annual (arithmetic mean)	Same as primary	Same as primary	0.05 ppm	Annual (arithmetic mean)
Nitrogen Dioxide	100 ppb	1-hour <sup>(3)</sup>	None	None	None	None
Particulate Matter (PM <sub>10</sub> )	150µg/m <sup>3</sup>	24-hour <sup>(4)</sup>	Same as primary	Same as primary	None	None
Particulate Matter (PM <sub>2.5</sub> )	12.0µg/m <sup>3</sup>	Annual <sup>(5)</sup> (arithmetic mean)	Same as primary	Same as primary	None	None
Particulate Matter (PM <sub>2.5</sub> )	35µg/m <sup>3</sup>	24-hour <sup>(6)</sup>	Same as primary	Same as primary	None	None
Ozone	0.075 ppm (2008 std)	8-hour <sup>(7)</sup>	Same as primary	Same as primary	None	None
Ozone	0.08 ppm (1997 std)	8-hour <sup>(8)</sup>	Same as primary	Same as primary	None	None
Ozone	0.12 ppm	1-hour <sup>(9)</sup> Not applicable in New York State	Same as primary	Same as primary	0.12 ppm	1-hour <sup>(9)</sup> (maximum)
Sulfur Dioxide	0.03 ppm	Annual	None	None	0.03 ppm	Annual
Sulfur Dioxide	0.14 ppm	24-hour	None	None	0.14 ppm	24-hour
Sulfur Dioxide	75 ppb	1-hour <sup>(10)</sup>	0.5 ppm (1300 µg/m <sup>3</sup> )	3-hour <sup>(1)</sup>	0.50 ppm	3-hour <sup>(1)</sup> (maximum)

Source: NYSDEC 2015c

Notes:

ppm = parts per million; ppb = parts per billion; mg/m<sup>3</sup> = milligrams per cubic meter; µg/m<sup>3</sup> = micrograms per cubic meter

<sup>(1)</sup> Not to be exceeded more than once per year.

*Environmental Assessment*

*Village of Patchogue Out-of-District Sewer Extension, Patchogue, NY*

- (2) Effective January 12, 2009, replaces the previous quarterly average value of  $1.5\mu\text{g}/\text{m}^3$ .
- (3) To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 100 ppb (effective January 22, 2010).
- (4) Not to be exceeded more than once per year on average over 3 years.
- (5) To attain this standard, the 3-year average of the weighted annual mean  $\text{PM}_{2.5}$  concentrations from single or multiple community-oriented monitors must not exceed  $12.0\mu\text{g}/\text{m}^3$ . Effective March 18, 2013.
- (6) To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed  $35\mu\text{g}/\text{m}^3$  (effective December 17, 2006).
- (7) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm (effective May 27, 2008).
- (8) (a) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm. (b) The 1997 standard-and the implementation rules for that standard-will remain in place for implementation purposes as EPA undertakes rulemaking to address the transition from the 1997 ozone standard to the 2008 ozone standard. (c) EPA is in the process of reconsidering these standards (set in March 2008).
- (9) (a) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is  $< 1$ . (b) As of June 15, 2005, EPA revoked the 1-hour ozone standard in all areas except the 8-hour ozone nonattainment Early Action Compact Areas.
- (10) Effective August 23, 2010. To attain this standard, the 3-year average of the 99th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 75 ppb.