

**SECTION 4. AMBIENT AIR QUALITY STANDARDS.**

The ambient air quality standards for Lancaster County, Nebraska are:

- (A) Particulate Matter (PM).
- (1) PM<sub>10</sub> – Primary and Secondary Standards:
- (a) Level: One hundred fifty (150) micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ );  
Averaging Time: Twenty-four (24) hours;  
Form: Not to be exceeded more than once per year on average over three (3) years.
- (b) Attainment of these standards is determined in accordance with Appendix K of 40 CFR Part 50 (version July 1, 2013), which is adopted and incorporated herein.
- (2) PM<sub>2.5</sub>:
- (a) Primary Standard:  
Level: Twelve (12.0)  $\mu\text{g}/\text{m}^3$ ;  
Averaging Time: Annual;  
Form: Annual mean averaged over three (3) years.
- (b) Secondary Standard:  
Level: Fifteen (15.0)  $\mu\text{g}/\text{m}^3$ ;  
Averaging Time: Annual;  
Form: Annual mean averaged over three (3) years.
- (c) Primary and Secondary Standard:  
Level: Thirty-five (35.0)  $\mu\text{g}/\text{m}^3$ ;  
Averaging Time: Twenty-four (24) hours;  
Form: Ninety-eighth (98<sup>th</sup>) percentile averaged over three (3) years.
- (d) Attainment of these standards is determined in accordance with Appendix N of 40 CFR Part 50 (version July 1, 2013), which is adopted and incorporated herein.
- (B) Sulfur Dioxide (SO<sub>2</sub>).
- (1) Primary Standard:
- (a) Level: Seventy-five (75) parts per billion;  
Averaging Time: One (1) hour;  
Form: Ninety-ninth (99<sup>th</sup>) percentile of one-hour (1-hr) daily maximum concentrations averaged over three (3) years.
- (2) Secondary Standard:
- (a) Level: Five-tenths of a part per million (0.5 ppm);  
Averaging Time: Three (3) hours;  
Form: Not more than one (1) exceedance per year.
- (b) Attainment of this standard is determined in accordance with Appendix T of 40 CFR Part 50 (version July 1, 2013), which is adopted and incorporated herein.
- (C) Nitrogen Dioxide (NO<sub>2</sub>).
- (1) Primary Standard:
- (a) Level: One hundred (100) parts per billion;  
Averaging Time: One (1) hour;  
Form: Ninety-eighth (98<sup>th</sup>) percentile averaged over three (3) years.
- (2) Primary and Secondary Standards:
- (a) Level: Fifty-three (53) parts per billion;  
Averaging Time: Annual;  
Form: Annual mean.
- (b) Attainment of this standard is determined in accordance with Appendix S of 40 CFR Part 50 (version July 1, 2013), which is adopted and incorporated herein.
- (D) Carbon Monoxide (CO).
- (1) Primary Standards:
- (a) Level: Nine (9.0) parts per million;  
Averaging Time: Eight (8) hours;  
Form: Not more than one (1) exceedance per year.

- (b) Level: Thirty-five (35.0) parts per million;  
Averaging Time: One (1) hour;  
Form: Not more than one (1) exceedance per year.
  - (c) Attainment of this standard is determined in accordance with 40 CFR Part 50 §50.8 (version July 1, 2013), which is adopted and incorporated herein.
  
- (E) Ozone.
  - (1) Primary and Secondary Standards:
    - (a) Level: Seventy thousandths (0.070) of a part per million;  
Averaging Time: Eight (8) hours;  
Form: Annual fourth-highest daily maximum eight-hour (8-hr) concentration averaged over three (3) years.  
(Attainment of this standard is determined in accordance with Appendix U of 40 CFR Part 50 (version July 1, 2016), which is adopted and incorporated herein).
  
- (F) Lead.
  - (1) Primary and Secondary Standard:
    - (a) Level: Fifteen-hundredths (0.15) of a microgram per cubic meter;  
Averaging Time: Rolling three (3) month average;  
Form: Not to be exceeded.
    - (b) Attainment of this standard is determined in accordance with Appendix R of 40 CFR Part 50 (version July 1, 2013), which is adopted and incorporated herein.