



Appendix C
Revised Table III-8



ATTENTION!

Readers and Reviewers

Table III-8 is a revised version of the table presented in the SIU 1 Draft EA.

In the event that a copy of the Draft EA is needed, please contact us at 1-800-590-0066 to request a copy, or access the project web site at www.improvei70.org to view the document on-line.

Table III-8: Missouri and National Ambient Air Quality Standards

Pollutant	Averaging Time	Concentration
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean: Primary Twenty-Four Hour ⁽¹⁾ : Primary Three Hour ⁽¹⁾ : Secondary	80 µg/m ³ (0.03 ppm) 365 µg/m ³ (0.14 ppm) 1,300 µg/m ³ (0.50 ppm)
Particulate (PM-10)	Annual Arithmetic Mean: Primary and Secondary Twenty-Four Hour ⁽⁷⁾ : Primary and Secondary	50 µg/m ³ 150 µg/m ³
Particulate (PM-2.5)	Annual Arithmetic Mean: Primary and Secondary Twenty-Four Hour ⁽²⁾ : Primary and Secondary	15 µg/m ³ 65 µg/m ³
Carbon Monoxide (CO)	One Hour ⁽¹⁾ : Primary Eight Hour ⁽¹⁾ : Primary	40 mg/m ³ (35 ppm) 10 mg/m ³ (9 ppm)
Ozone	Eight Hour: Primary and Secondary	
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean: Primary and Secondary	100 µg/m ³ (0.053 ppm)
Lead (Pb)	Calendar Quarter Arithmetic Mean: Primary and Secondary	1.5 µg/m ³
Hydrogen Sulfide (H ₂ S)	One-half Hour ⁽³⁾ One-half Hour ⁽⁴⁾	70 µg/m ³ (0.05 ppm) ⁽⁸⁾ 42 µg/m ³ (0.03 ppm) ⁽⁸⁾
Sulfuric Acid (H ₂ SO ₄)	Twenty-Four Hour ⁽⁵⁾ One Hour ⁽⁶⁾	10 µg/m ³ ⁽⁸⁾ 30 µg/m ³ ⁽⁸⁾

Source: MDNR Division 10 – Air Conservation Commission.

- (1) - Not to be exceeded more than once per year.
 - (2) - Daily value for one year below which 98% of all values in one year fall.
 - (3) - Not to be exceeded more than twice per year.
 - (4) - Not to be exceeded more than twice in any five consecutive days.
 - (5) - Not to be exceeded more than once in any 90 consecutive days.
 - (6) - Not to be exceeded more than once in any two consecutive days.
 - (7) - Not more than one expected exceedance per year, on a 3-year average.
 - (8) - Missouri Air Quality Standards.
- ppm - Parts of pollutant per million parts of air (by volume) at 25°C.
 µg/m³ - Micrograms of pollutant per cubic meter of air.
 mg/m³ - Milligrams of pollutant per cubic meter of air.