

Appendix H

Emissions Inventories for the Illinois Portion of the St. Louis Nonattainment Area for 2002, 2008, 2015, 2020, and 2025

Appendix H-1 Illinois Emissions Inventory Summaries

Ozone Season Day emission inventory summaries for the Illinois portion of the St. Louis nonattainment area for the years 2002, 2008, 2015, 2020, and 2025 are displayed below in Tables H-1 through H-5, respectively. These emissions inventory summaries for the Illinois portion of the 1997 St. Louis ozone nonattainment area were obtained from Illinois EPA's *Maintenance Plan for the Metro-East St. Louis Ozone Nonattainment Area for the 1997 8-Hour Ozone National Ambient Air Quality Standard (Revised) (July 2011)*. The emission inventories for all five years for on-road mobile sources were developed using EPA's Motor Vehicle Emissions Simulator (MOVES).

Table H-1 2002 Emissions Inventory Summary for the Illinois Portion of the St. Louis Nonattainment Area (tons/ozone season day)

Source Category	NO _x	VOC
Point Sources	53.24	17.41
Area Sources	1.40	29.86
On-Road Mobile Sources	76.82	25.90
Off-Road Mobile Sources	36.79	12.04
NAA Total (Illinois Portion)	168.25	85.21

Table H-2 2008 Emissions Inventory Summary for the Illinois Portion of the St. Louis Nonattainment Area (tons/ozone season day)

Source Category	NO _x	VOC
Point Sources	39.86	11.92
Area Sources	1.50	23.21
On-Road Mobile Sources	52.57	17.27
Off-Road Mobile Sources	39.25	12.66
NAA Total (Illinois Portion)	133.18	65.06

Table H-3 2015 Emissions Inventory Summary for the Illinois Portion of the St. Louis Nonattainment Area (tons/ozone season day)

Source Category	NO _x	VOC
Point Sources	31.86	13.70
Area Sources	1.55	23.76
On-Road Mobile Sources	27.85	9.11
Off-Road Mobile Sources	36.41	9.27
NAA Total (Illinois Portion)	97.67	55.84

Table H-4 2020 Emissions Inventory Summary for the Illinois Portion of the St. Louis Nonattainment Area (tons/ozone season day)

Source Category	NO_x	VOC
Point Sources	30.71	14.73
Area Sources	1.56	25.04
On-Road Mobile Sources	16.32	4.99
Off-Road Mobile Sources	33.56	7.73
NAA Total (Illinois Portion)	82.15	52.49

Table H-5 2025 Emissions Inventory Summary for the Illinois Portion of the St. Louis Nonattainment Area (tons/ozone season day)

Source Category	NO_x	VOC
Point Sources	32.12	15.78
Area Sources	1.58	26.32
On-Road Mobile Sources	15.22	5.68
Off-Road Mobile Sources	32.33	7.31
NAA Total (Illinois Portion)	81.25	55.09