Table 8. Summary 2005 Summer Day Emission Inventories for Ohio Ozone Nonattainment Areas (tsd)

Pollutant	NON EGU	AREA	ERC	NON ROAD	MAR	EGU	MOBILE	TOTAL
CANTON								
NOX	3.61	3.55		9.90	1.45		23.74	42.25
VOC	2.29	21.68		13.14	0.08		17.21	54.39
CINCINNATI-HAMILTON								
NOX	21.58	10.57		35.95	8.24	62.07	123.45	261.86
VOC	7.07	63.62		34.79	0.44	0.80	120.36	227.07
CLEVELAND-AKRON								
NOX	16.60	29.14		66.95	29.74	70.86	190.17	403.45
VOC	11.23	117.18		110.93	1.93	0.23	79.96	321.46
COLUMBUS								
NOX	9.41	15.37		42.05	7.78		147.66	222.28
VOC	4.26	77.09		37.81	0.67		112.81	232.63
DAYTON-SPRINGFIELD								
NOX	10.26	8.96		20.36	4.29	12.55	66.36	122.77
VOC	4.00	45.33		19.65	0.38	0.06	47.17	116.59
LIMA								
NOX	7.99	1.05		2.98	0.88		10.67	23.56
VOC	3.25	6.21		2.63	0.05		9.91	22.05
PARKERSBURG-MARIETTA								
NOX	4.62	0.42		1.56	1.81	24.58	6.45	39.44
VOC	1.54	2.68		1.94	0.04	0.37	5.14	11.70
STEUBENVILLE-WEIRTON								
NOX	4.32	0.68		0.92	1.01	73.92	5.86	86.71
VOC	0.64	2.97		2.11	0.04	0.43	5.01	11.20
TOLEDO								
NOX	17.58	5.49		12.75	7.92	17.70	49.29	110.72
VOC	8.21	25.97		13.58	0.42		45.71	93.88
WHEELING								
NOX	0.06	0.77		0.84	0.93	11.02	8.49	22.11
VOC	0.21	4.65		1.94	0.02		6.20	13.03
YOUNGSTOWN-WARREN								
NOX	5.10	5.50		10.04	5.37	12.80	45.88	84.70
VOC	11.32	29.22		12.69	0.30	0.11	35.59	89.24

Data source: Lake Michigan Air Directors Consortium (MRPO/LADCO). Emission Modeling and Inventories

Table 9. Summary 2009 Summer Day Emission Inventories for Ohio Ozone Nonattainment Areas (tsd)

Pollutant	NON EGU	AREA	ERC	NON ROAD	MAR	EGU	MOBILE	TOTAL
CANTON								
NOX	3.28	3.60		7.62	1.40		17.37	33.27
VOC	2.34	18.50	3.63	10.28	0.07		12.77	47.59
CINCINNATI-HAMILTON								
NOX	22.02	10.76	4.71	28.30	7.00	58.62	86.91	218.32
VOC	7.09	52.54	4.43	27.53	0.41	0.88	44.05	136.93
CLEVELAND-AKRON								
NOX	12.25	29.55	7.81	53.59	25.93	51.70	135.34	316.17
VOC	11.85	97.52	6.58	91.65	1.78	0.73	59.16	269.28
COLUMBUS								
NOX	8.98	15.60	5.14	34.01	7.30		109.32	180.34
VOC	4.56	61.68	2.58	29.95	0.66		71.76	171.19
DAYTON-SPRINGFIELD								
NOX	10.82	9.08	4.01	16.03	4.01	15.32	47.08	106.36
VOC	3.98	39.19	1.02	15.74	0.37	0.10	23.37	83.76
LIMA								
NOX	8.61	1.07		2.42	0.82		8.14	21.07
VOC	3.10	5.36		2.18	0.05		6.11	16.79
PARKERSBURG-MARIETTA								
NOX	4.72	0.43	0.04	1.22	1.29	10.61	4.75	23.07
VOC	1.62	2.10	0.25	1.64	0.03	0.37	3.54	9.55
STEUBENVILLE-WEIRTON								
NOX	4.07	0.69	5.60	0.73	0.82	40.57	4.30	56.77
VOC	0.62	2.30	0.36	1.87	0.03	0.97	3.36	9.51
TOLEDO								
NOX	13.38	5.58		10.29	7.18	13.89	35.65	85.99
VOC	8.83	20.72		11.05	0.38	0.12	27.74	68.84
WHEELING								
NOX	0.05	0.78		0.72	0.68	11.89	6.67	20.78
VOC	0.22	3.99		1.74	0.02	0.08	4.06	10.10
YOUNGSTOWN-WARREN								
NOX	4.39	5.58		7.84	4.95	2.41	36.88	62.06
VOC	11.80	23.88		10.68	0.28	0.08	27.22	73.96

*For ERC assumes TSD emissions = TPY/365

Data source: Lake Michigan Air Directors Consortium (MRPO/LADCO). Emission Modeling and Inventories

Table 10. Summary of Change in Summer Day Emission Inventories from 2005 to 2009 for Ohio Ozone Nonattainment Areas (tsd)

Pollutant	NON EGU	AREA	ERC	NON ROAD	MAR	EGU	MOBILE	Expected Reduction	Expected Reduction Excluding ERCs
CANTON									
NOx	0.33	-0.05	-	2.28	0.05	-	6.36	8.98	8.98
VOC	-0.05	3.19	-3.63	2.85		-	4.43	6.80	10.43
CINCINNATI-HAMILTON									
NOx	-0.44	-0.20	-4.71	7.65	1.24	3.45	36.54	43.53	48.24
VOC	-0.02	11.07	-4.43	7.26	0.03	-0.08	76.31	90.14	94.58
CLEVELAND-AKRON									
NOx	4.34	-0.41	-7.81	13.36	3.81	19.15	54.83	87.28	95.09
VOC	-0.61	19.65	-6.58	19.28	0.15	-0.50	20.79	52.18	58.77
COLUMBUS									
NOx	0.44	-0.23	-5.14	8.04	0.48	-	38.35	41.94	47.08
VOC	-0.31	15.41	-2.58	7.86	0.01	-	41.05	61.45	64.03
DAYTON-SPRINGFIELD									
NOx	-0.56	-0.12	-4.01	4.33	0.28	-2.77	19.27	16.41	20.43
VOC	0.02	6.14	-1.02	3.91	0.01	-0.03	23.80	32.83	33.85
LIMA									
NOx	-0.62	-0.02	-	0.56	0.05	-	2.52	2.50	2.50
VOC	0.15	0.85	-	0.45		-	3.80	5.26	5.26
PARKERSBURG-MARIETTA									
NOx	-0.11	-0.01	-0.04	0.34	0.52	13.97	1.70	16.36	16.40
VOC	-0.08	0.58	-0.25	0.30	0.01		1.59	2.15	2.40
STEUBENVILLE-WEIRTON									
NOx	0.25	-0.01	-5.60	0.20	0.18	33.36	1.56	29.94	35.55
VOC	0.02	0.67	-0.36	0.24		-0.54	1.65	1.69	2.04
TOLEDO									
NOx	4.20	-0.09	-	2.45	0.73	3.80	13.64	24.73	24.73
VOC	-0.63	5.25	-	2.52	0.03	-0.12	17.98	25.04	25.04
WHEELING									
NOx	0.01	-0.01	-	0.13	0.26	-0.87	1.82	1.33	1.33
VOC	-0.01	0.66	-	0.20	0.01	-0.07	2.15	2.92	2.92
YOUNGSTOWN-WARREN									
NOx	0.71	-0.08	-	2.20	0.43	10.39	9.00	22.65	22.65
VOC	-0.48	5.34	-	2.00	0.02	0.03	8.37	15.28	15.28

*For ERC assumes TSD emissions = TPY/365

Data source: Lake Michigan Air Directors Consortium (MRPO/LADCO). Emission Modeling and Inventories