Table 3. 2005 $PM_{2.5}$ non-attainment areas annual emission inventory (in tpy).

| Area/County | Pollutant | NON EGU | AREA | NON ROAD | MAR | EGU | MOBILE | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CANTON** | | | | | | | | |
| **Starks** | NOX | 1129.41 | 1313.88 | 2801.96 | 537.27 | | 8663.37 | 14445.90 |
| | PM2.5 | 380.10 | 370.87 | 231.64 | 14.58 | | 152.03 | 1149.22 |
| | SO2 | 553.14 | 163.72 | 261.01 | 38.35 | | 175.97 | 1192.19 |
| **CINCINNATI-HAMILTON** | | | | | | | | |
| **Butler** | NOX | 4367.15 | 796.34 | 2348.42 | 919.91 | 743.27 | 7950.14 | 17125.22 |
| | PM2.5 | 944.29 | 173.24 | 185.28 | 31.19 | 15.27 | 138.42 | 1487.69 |
| | SO2 | 6185.26 | 224.54 | 260.36 | 80.84 | 1959.10 | 161.13 | 8871.22 |
| **Warren** | NOX | 1024.95 | 426.57 | 1789.97 | 96.07 | | 5944.54 | 9282.10 |
| | PM2.5 | 18.75 | 236.92 | 143.72 | 2.95 | | 107.73 | 510.08 |
| | SO2 | 3.39 | 140.25 | 208.73 | 8.13 | | 125.69 | 486.18 |
| **Hamilton** | NOX | 2756.21 | 1923.27 | 4845.98 | 1463.80 | 15236.04 | 23801.04 | 50026.33 |
| | PM2.5 | 161.88 | 303.61 | 355.97 | 42.04 | 648.64 | 400.37 | 1912.51 |
| | SO2 | 7819.40 | 163.45 | 474.85 | 117.60 | 77381.13 | 466.06 | 86422.49 |
| **Clermont** | NOX | 67.50 | 612.97 | 1218.23 | 259.07 | 28063.56 | 5126.14 | 35347.47 |
| | PM2.5 | 7.93 | 193.70 | 104.54 | 6.11 | 648.21 | 94.64 | 1055.12 |
| | SO2 | 162.19 | 164.72 | 138.93 | 22.74 | 88876.65 | 110.33 | 89475.55 |
| **CLEVELAND-AKRON** | | | | | | | | |
| **Lake** | NOX | 471.65 | 848.09 | 1873.78 | 1065.83 | 12969.08 | 5494.35 | 22722.78 |
| | PM2.5 | 30.67 | 132.09 | 136.94 | 36.49 | 215.93 | 94.15 | 646.27 |
| | SO2 | 736.41 | 94.92 | 162.20 | 159.67 | 80187.84 | 110.60 | 81451.63 |
| **Cuyahoga** | NOX | 3081.22 | 5103.40 | 8152.55 | 3672.47 | 1848.36 | 26782.90 | 48640.90 |
| | PM2.5 | 807.55 | 558.62 | 630.80 | 111.89 | 81.43 | 484.72 | 2675.01 |
| | SO2 | 5156.40 | 291.45 | 736.73 | 423.44 | 2991.78 | 569.88 | 10169.68 |
| **Lorain** | NOX | 926.84 | 981.14 | 2507.76 | 1711.08 | 6959.73 | 5919.51 | 19006.05 |
| | PM2.5 | 428.05 | 401.71 | 206.78 | 57.49 | 97.82 | 112.28 | 1304.13 |
| | SO2 | 547.68 | 50.97 | 249.83 | 252.94 | 42437.09 | 131.92 | 43670.42 |
| **Medina** | NOX | 72.84 | 577.42 | 1295.08 | 331.57 | | 5292.14 | 7569.05 |
| | PM2.5 | 96.33 | 267.67 | 118.08 | 11.00 | | 92.76 | 585.84 |
| | SO2 | 142.11 | 88.82 | 143.41 | 29.01 | | 108.87 | 512.22 |
| **Summit** | NOX | 1456.66 | 2034.66 | 2953.59 | 762.05 | | 15288.00 | 22494.97 |
| | PM2.5 | 35.45 | 264.95 | 233.20 | 27.19 | | 283.33 | 844.12 |
| | SO2 | 10866.52 | 174.88 | 287.66 | 66.17 | | 331.12 | 11726.36 |
| **Portage** | NOX | 83.19 | 559.86 | 1184.58 | 908.80 | | 5233.63 | 7970.05 |
| | PM2.5 | 23.59 | 253.00 | 116.90 | 28.11 | | 95.91 | 517.51 |
| | SO2 | 10.24 | 143.62 | 122.16 | 78.55 | | 112.12 | 466.70 |
| **Ashtabula** | NOX | 237.55 | 314.70 | 1057.58 | 1809.20 | 1592.35 | 3415.03 | 8426.42 |
| | PM2.5 | 62.50 | 501.57 | 109.41 | 64.20 | 36.28 | 60.79 | 834.75 |
| | SO2 | 20.07 | 109.14 | 104.56 | 337.39 | 4159.96 | 70.43 | 4801.54 |
| **COLUMBUS** | | | | | | | | |
| **Delaware** | NOX | 13.89 | 457.79 | 1875.66 | 815.93 | | 5317.43 | 8480.69 |
| | PM2.5 | | 156.94 | 167.23 | 25.55 | | 88.58 | 438.31 |
| | SO2 | 0.13 | 73.14 | 233.51 | 70.99 | | 102.56 | 480.33 |
| **Fairfield** | NOX | 1318.66 | 329.99 | 1192.44 | 91.25 | | 3361.25 | 6293.59 |
| | PM2.5 | 66.92 | 305.67 | 99.27 | 2.57 | | 58.01 | 532.43 |
| | SO2 | 212.97 | 73.56 | 145.86 | 7.14 | | 66.86 | 506.39 |
| **Franklin** | NOX | 842.40 | 3945.51 | 7321.50 | 1751.39 | | 35774.51 | 49635.31 |
| | PM2.5 | 93.93 | 428.69 | 590.43 | 52.56 | | 574.95 | 1740.57 |
| | SO2 | 867.35 | 302.03 | 841.63 | 141.84 | | 664.29 | 2817.14 |
| **Licking** | NOX | 969.15 | 584.99 | 1106.27 | 34.77 | | 5618.84 | 8314.02 |
| | PM2.5 | 566.61 | 513.17 | 96.74 | 0.79 | | 90.97 | 1268.28 |
| | SO2 | 422.83 | 87.75 | 124.74 | 2.19 | | 105.32 | 742.83 |
| **Coshocton** | NOX | 578.94 | 148.92 | 262.02 | 158.46 | 21465.83 | 1134.87 | 23749.04 |
| | PM2.5 | 93.96 | 147.96 | 23.39 | 3.72 | 657.22 | 20.47 | 946.72 |
| | SO2 | 12.45 | 30.47 | 25.31 | 9.97 | 109750.80 | 23.64 | 109852.63 |

2005 $PM_{2.5}$ non-attainment areas annual emission inventory (in tpy).

| Area/County | Pollutant | NON EGU | AREA | NON ROAD | MAR | EGU | MOBILE | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **DAYTON-SPRINGFIELD** | | | | | | | | |
| **Clark** | NOX | 52.22 | 554.05 | 806.83 | 277.53 | | 4392.95 | 6083.58 |
| | PM2.5 | 3.16 | 132.50 | 66.40 | 9.96 | | 82.04 | 294.06 |
| | SO2 | 12.94 | 79.06 | 80.70 | 22.45 | | 95.24 | 290.39 |
| **Greene** | NOX | 2530.80 | 504.30 | 1016.05 | 67.80 | | 3797.26 | 7916.22 |
| | PM2.5 | 96.44 | 133.39 | 92.72 | 2.12 | | 71.73 | 396.40 |
| | SO2 | 2046.74 | 87.71 | 122.29 | 5.76 | | 83.91 | 2346.41 |
| **Montgomery** | NOX | 1481.03 | 1886.52 | 3141.22 | 931.14 | 2835.31 | 12769.52 | 23044.74 |
| | PM2.5 | 110.86 | 435.20 | 232.23 | 25.91 | 173.19 | 234.62 | 1212.02 |
| | SO2 | 1883.72 | 206.17 | 307.32 | 83.13 | 5914.75 | 273.84 | 8668.94 |
| **HUNTINGTON-ASHLAND** | | | | | | | | |
| **Scioto** | NOX | 570.12 | 240.86 | 324.89 | 1337.52 | | 2245.78 | 4719.17 |
| | PM2.5 | 84.20 | 199.12 | 37.43 | 37.29 | | 39.27 | 397.30 |
| | SO2 | 977.12 | 36.63 | 36.15 | 116.50 | | 45.37 | 1211.78 |
| **Lawrence** | NOX | 68.51 | 232.73 | 165.50 | 785.48 | | 1667.34 | 2919.56 |
| | PM2.5 | 1.21 | 134.89 | 13.78 | 20.16 | | 28.78 | 198.83 |
| | SO2 | 0.24 | 30.33 | 18.98 | 68.18 | | 33.27 | 150.99 |
| **Gallia** | NOX | | 122.81 | 110.23 | 316.92 | 57523.60 | 1228.42 | 59301.98 |
| | PM2.5 | | 132.22 | 11.87 | 7.50 | 1011.49 | 21.57 | 1184.65 |
| | SO2 | | 16.36 | 10.76 | 27.78 | 100102.91 | 24.94 | 100182.75 |
| **Adams** | NOX | 665.42 | 127.85 | 142.28 | 325.30 | 30205.82 | 913.41 | 32380.08 |
| | PM2.5 | 6.90 | 247.97 | 15.62 | 7.39 | 3344.63 | 16.56 | 3639.06 |
| | SO2 | 4.37 | 33.56 | 15.33 | 28.54 | 125070.34 | 19.16 | 125171.30 |
| **PARKERSBURG-MARIETTA** | | | | | | | | |
| **Washington** | NOX | 1748.86 | 168.44 | 425.97 | 500.78 | 16137.09 | 2354.04 | 21335.17 |
| | PM2.5 | 472.37 | 148.43 | 35.53 | 11.76 | 384.81 | 39.73 | 1092.63 |
| | SO2 | 5200.90 | 9.78 | 41.04 | 44.48 | 140957.01 | 45.89 | 146299.11 |
| **STEUBENVILLE-WEIRTON** | | | | | | | | |
| **Jefferson** | NOX | 1991.85 | 251.38 | 253.59 | 317.30 | 41046.61 | 2137.84 | 45998.56 |
| | PM2.5 | 461.57 | 110.12 | 24.83 | 8.07 | 1307.90 | 37.19 | 1949.68 |
| | SO2 | 849.92 | 110.89 | 21.75 | 26.16 | 225594.94 | 42.97 | 226646.63 |
| **WHEELING** | | | | | | | | |
| **Belmont** | NOX | 22.76 | 284.66 | 222.46 | 261.85 | 4149.93 | 3098.41 | 8040.07 |
| | PM2.5 | 3.39 | 307.93 | 27.39 | 6.21 | 93.85 | 51.31 | 490.07 |
| | SO2 | 0.13 | 93.50 | 21.98 | 22.84 | 37329.95 | 59.23 | 37527.62 |

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