

Errata Sheet

New Mexico On-road Emissions for San Juan, Sandoval, and San Miguel Counties

After the WRAP on-road mobile source emissions were generated and compiled, an error was discovered for three counties in New Mexico: San Juan, Sandoval, and San Miguel Counties. For these three counties, for both the 2002 and 2018 on-road emissions, the vehicle miles traveled (VMT) data were applied incorrectly in generating the emissions. Specifically, Sandoval County VMT was applied to generate San Miguel County emissions, San Juan County VMT was applied to generate Sandoval County emissions, and San Miguel County VMT was applied to generate San Juan County emissions. The MOBILE6 emission factor modeling inputs are similar for these three counties; therefore, the errors in estimated emissions are similar to the errors in the VMT used.

The correct and incorrect VMT used in the emissions calculations are shown in Table 1, along with the percent error in VMT. Table 2 shows the estimated emissions in 2002 and 2018 as reported in the detailed on-road emissions spreadsheets and used in the regional air quality modeling. Because the MOBILE6 inputs are very similar, and therefore the gram per mile emission factors are very similar, the errors in reported emissions for each county will follow the errors in the VMT used as shown in Table 1.

Table 1. San Juan, San Miguel, and San Juan VMT.

| Year | County | VMT (million miles/year) | Incorrect County VMT used | | % Error in VMT |
|------|------------|--------------------------|---------------------------|------|----------------|
| | | | County | VMT | |
| 2002 | San Juan | 1,206 | Sandoval | 982 | -19% |
| | San Miguel | 394 | San Juan | 1206 | +206% |
| | Sandoval | 982 | San Miguel | 394 | -60% |
| 2018 | San Juan | 1,601 | Sandoval | 1304 | -19% |
| | San Miguel | 537 | San Juan | 1601 | +206% |
| | Sandoval | 1,304 | San Miguel | 537 | -60% |

Table 2. Reported San Juan, San Miguel, and San Juan on-road emissions.

| Year | County | Emissions (tons/year) | | | | | |
|------|------------|-----------------------|--------|-------|------|------|-----|
| | | VOC | CO | NOX | PM10 | PM25 | SO2 |
| 2002 | Sandoval | 2,228 | 32,169 | 3,805 | 110 | 87 | 105 |
| | San Juan | 684 | 11,029 | 1,286 | 36 | 29 | 39 |
| | San Miguel | 1,760 | 27,966 | 3,242 | 91 | 72 | 98 |
| 2018 | Sandoval | 893 | 18,304 | 1,163 | 80 | 53 | 16 |
| | San Juan | 281 | 6,069 | 386 | 27 | 18 | 5 |
| | San Miguel | 704 | 15,091 | 952 | 65 | 43 | 13 |