History of Updates to AQIA Modeling Guidelines:


2. Because this original document had become obsolete, the District created a completely new document, titled *Modeling Guidelines for Air Quality Impact Assessments* (AQIA Modeling Guidelines), which was posted in January 2018.

3. Updates to AQIA Modeling Guidelines in March 2018:
   a. Section 3.8: A link to the Paradise Road meteorological data was added to Table 3.8-1.
   b. Section 3.8: The latitude of the Santa Maria Airport site was corrected from 35.899 to 34.899 in Table 3.8-1.
   c. Appendix A, Section A.2: The reference to Table A.2-1 in the last paragraph of this section was corrected (it previously read Table A-1).
   d. Appendix B, Section B.1.1: The reference to Table B.1.1-1 in the first paragraph in this section was corrected (it previously read Table B.2.1-1).

4. Updates to AQIA Modeling Guidelines in April 2019:
   a. Section 2.1.1: Table 2.1.1-1 was edited to include all national and state ambient air quality standards, and language was updated accordingly.
   b. Section 2.1.2: The name of Table 2.1.2-1 was changed from “Air Quality Standards and Increments for Other Pollutants” to “Air Quality Standards for Other Pollutants” because there are no increment standards for these pollutants.
   c. Section 3: The current version of AERMOD was updated.
   d. Sections 3.2.1 and 3.2.1.2: The language in these sections was updated to reflect the current EPA guidance that ARM2, not ARM, be used to estimate NO2 concentrations. The default minimum NO2/NOX ratio was updated to 0.50.
   e. Sections 3.2.2 through 3.2.4: The language in these sections was updated to reflect the correct way to model 1-hour NO2, 1-hour SO2 and 24-hour PM2.5 for the NAAQS.
   f. Section 3.2.5: The language at the end of this section for reporting the results was removed.
   g. Section 3.6: Equation 3.6-1 was corrected.
   h. Section 3.8: Table 3.8-1 was updated to reflect the District’s approved meteorological data for use in AERMOD.
   i. Section 4: Information about the AAQS and increment analyses was split into two newly created sections 4.1 and 4.2.
   j. Section 4.1: Text was rearranged, and language was added to explain why 1-hour NO2 and 1-hour SO2 must be modeled for comparison to both the NAAQS and CAAQS. Table 4.1-1 was updated. Table 4.1-2 was added to show the appropriate methodology to determine the background concentration for each AAQS. Language was added explaining a situation where the modeler may report only the most conservative result to avoid the requirement of multiple runs for the same pollutant and averaging period.
k. Section 5.5.1: Table 5.5.1-1 was edited to show example results for 1-hour SO₂ and 1-hour NO₂ for both the CAAQS and NAAQS.

l. Section 6: The references were updated.

m. Appendix A: Language was edited to match Form -15i. Table A.2-1 was edited to show the correct emissions rate adjustment factors.