

Summary of changes to the New Mexico Modeling Guidelines:

NO₂ and SO₂ 1-hour modeling is now required.
(Additional guidance is provided).

In-stack NO₂/NO_x ratio justification is now required to use OLM or PVMRM.
(EPA has discarded the default ratio of 0.1, and manufacturer data supports removing the default.)

PM_{2.5} now uses high-first-high.
(To account for secondary formation in the atmosphere – see new EPA PM_{2.5} memo from March)

Air quality standards section has been expanded to clarify the form of each standard.
(There were two pages of notes on the old Table 6 (table of standards) and that still wasn't comprehensive. Each pollutant now has its own section discussing how to demonstrate compliance with its form of standard. Table 6 has been simplified for quick reference.)

Background concentrations for most pollutants are added. Refinement methods are included.
(EPA guidelines suggest use of background concentrations for each averaging period. Our monitors indicate that there really are background concentrations throughout the state.)

Surrounding source retention requirements have been relaxed.
(EPA guidance indicates that nearby sources are not expected to be numerous. Distant sources should be already accounted for in the background now being added.)

Receptor grid definitions are relaxed.
(EPA guidance emphasizes quality, not quantity for receptors.)

New modeling waiver form
(On the web page)

Additional information about met data selection has been included.

GCP co-location section identifies the policy to allow GCP 2,3,5 modeling to be used to demonstrate compliance for the times when the GCP is operating.

Clarifies that initial locations for portable sources need setback distances for initial site.