

PM2.5 Plan Requirements (40 CFR Part 51)

51.1007 Attainment demonstration and modeling requirements.

51.1008 Emission inventory requirements for the PM2.5 NAAQS.

51.1009 Reasonable further progress (RFP) requirements.

51.1010 Requirements for reasonably available control technology (RACT) and reasonably available control measures (RACM).

51.1011 Requirements for mid-course review.

51.1012. Requirements for contingency measures.

Main Concern: Proposed PM2.5 Plan will not be approved due to its failure to fulfill federal Clean Air Act Requirements.

Main solution: Include all reasonable control measures for more emission reductions.

		2012	2013	2014
1	NOx Emissions Inventory with 2008 PM2.5 Plan controls (TPD)	415.8	384.3	291.2 (NOx Carrying Capacity)
2	NOx Shortfall (Tons per Day, TPD)	124.1	93.1	0
3	Bakersfield- Planz Road: Modeled PM2.5 Concentration (ug/m3)	?	?	14.70

Three-year average test to meet PM2.5 annual NAAQS:

$(2012 \text{ Concentration} + 2013 \text{ Concentration} + 2014 \text{ Concentration}) / 3 = \text{OR} < 15.0 \text{ ug/m}^3$