Option 1 – San Joaquin Valley Unified APCD Rule 9510

Applicability

- 2010 SIP Emission Reduction Targets

NOx   4.1 tons/day

PM10 5.2 tons/day

- Emission Thresholds (TPY)

- Projects seeking discretionary approval
- Development projects including:

Project Type	SJVUAPCD*	SCAQMD (2010)**
Residential units	50	80
Commercial space (sq ft)	2,000	70,000
Light industrial space (sq ft)	25,000	100,000
Heavy industrial space (sq ft)	100,000	410,000
Medical office or recreational space (sq ft)	20,000	25,000
General office space (sq ft)	39,000	45,000
Educational space (sq ft)	9,000	35,000
Government space (sq ft)	10,000	15,000

    *URBEMIS version 7.8.0   ** URBEMIS version 9.4.2

- Transportation/transit projects:
  Construction or exhaust emissions ≥ two(2) tons of NOx or two (2) tons of PM10.

- Exemptions

- Projects with a mitigated baseline below 2 ton/year NOx and 2 ton/year of PM10

- Requirements

- Submit Air Impact Assessment application concurrently with application for final discretionary approval
- Mitigation Requirements:
  ⇒ 33% of baseline NOx emissions
     For example, if the 2008 operational baseline is 100 tons per year of NOx, the project proponent would be required to reduce 33 tons of NOx, which represents

33% of the operational baseline. Reduction of the 33 tons would fulfill the NOx reduction requirement.

⇒ 50% of baseline operational PM10 emissions
For example, if the 2008 operational baseline is 10 tons per year of PM10, the project proponent would be required to reduce 5 tons of NOx, which represents 50% of the operational baseline. Reduction of the 5 tons of PM10 would fulfill the PM10 reduction requirement.

⇒ 20% of construction NOx emissions
Applicant uses SMAQMD fleet calculator and pays mitigation fees for residual emissions.

⇒ 45% of construction PM emissions
Applicant uses SMAQMD fleet calculator and pays mitigation fees for residual emissions.

- Mitigation fees required if not meeting the % reductions
- Project approval or disapproval

- Review Fees

- Application Fee
  - ⇒ $432 Residential
  - ⇒ $648 Non-Residential
  - ⇒ Additional time & materials costs
  - ⇒ Current average fee paid is approximately $800 Residential

- Analysis Methodology

- Rule specified methodology (i.e., URBEMIS)

  SJVUAPCD looks at the construction exhaust emissions using URBEMIS if the project does not provide detailed fleet information. URBEMIS is used to determine the unmitigated baseline emissions to determine the total emissions. Then mitigation measures are input by the applicant which will determine the mitigation baseline. The difference between the two would be the residual emissions. The residual emissions would be subject to a mitigation fee. If the applicant provides detailed fleet information, they use the SMAQMD fleet calculator. Note that CARB fleet rules are not included in the fleet calculator. CARB's Fleet Rules must be calculated separately from URBEMIS.

  URBEMIS project reductions are based on the year of operation. If the project occurs in 2009, SJVUAPCD uses URBEMIS operational emissions based on 2009 and then emission reductions are projected over 10 years and adjusted for fleet turnover.

- Optional Mitigation Fee (i.e. Compliance Flexibility)

- Costs of reductions are specified in Fee Schedules (e.g., cost of 2008 NOx reduction is $9,350/ton.)
- Offsite mitigation not restricted to the same community