

**CEFS/CCOS\_WEB**  
**Version Documentation and Update Chronology**  
**(Version 2.x)**

With the publishing of the San Joaquin Valley "Draft" PM10 SIP completed, this became a step-off point for the development of Version 2.0. The general inventory product description described in version 1.0 documentation (section 4.a) still applies. The Version 1.0 Update Chronology describes the updates made in the course of developing and using Version 1.0. The most recent updates to the forecast inputs comprising version 2.0 are documented below.

**Notes:**

1) Beginning with Version 2.0, each and every significant update to the CCOS web site will be indicated by a change to the Version ID along with a memo entry in this page that describes the update(s). For example, the April 15, 2003 update entry below led to the development of Version 2.01.

2) The version control for updates to the planning and modeling inventory projections are principally kept in sync. If inputs to the forecast model have changed, both planning and modeling projections are re-run to ensure that the planning and modeling inventory outputs reflect the same set of inputs. There is typically a lag time of a couple days between the dates posted for planning and modeling EI projections (either in their original posting or when updates occur) due to the CEFS longer run-time required for the modeling projections.

**Planning Projections**

[EIB Chain of Custody Reference Form#883PEI](#)

**April 4, 2002:**

Original Web Release of Version 2.0 Planning Projections.

These projections are based on the 1999 emission inventory as of March 26, 2003.

Currently, this web report link only includes comprehensive emissions data for San Joaquin Valley Air Basin for the years (1999,2002\_to\_2010, 2015, 2020) to support the District's PM10 SIP workshop materials. The other years posted in Version 1.0 (1990,1993,1995,1997, 2000, and 2001) are not fully represented in Version 2.0 report generator yet, therefore, these years should not be queried from the web. These remaining years will be added following the workshop comment period, and other regions of the state will be populated as critical regional planning deadlines approach.

**Key Inventory Updates Included in Version 2.0 Planning Projections for SJV**

1. Updated base year PM emissions for fugitive dust categories.

2. Updated growth data for road dust categories based [on February TPA data submittal](#).
3. Updated base year emissions for [Agricultural Irrigation Pumps](#).
4. [Revised growth for agricultural stationary source](#) categories per Agricultural Advisory committee recommendations.
5. [Updated pesticide emissions based on revised forecast and temporal methodology](#).
6. Revised growth surrogate assignment for Oil/Gas Production.
7. Revised growth surrogate assignment for Petroleum Refining.
8. Revised growth activity for Agricultural Burning.
9. Revised growth for off-road farm equipment per Agricultural Advisory committee recommendations

### **April 8, 2003**

Update of OFFROAD SO<sub>x</sub> emissions for Offroad Equipment and Farm Equipment for 2007-2009 to correct error in low-sulfur fuel emission reductions.

**(Version 2.01)**

### **April 15, 2003**

Update 1999 TOG emissions for livestock waste to reflect updated livestock population estimates. This results in a decrease in TOG emissions of 164 TPD (and a decrease in ROG emissions of 12 TPD). This update was not reflected in the emission estimates used for the SJVAPCD PM<sub>10</sub> SIP workshop.

**(Version 2.02)**

### **April 17, 2003**

Evaporative emissions for off-road recreational vehicles were removed from the projections. This results in a decrease in ROG emissions of 0.4 TPD. These emissions were "preliminary" and not ready for release yet.

**(Version 2.03)**

### **April 28, 2003**

Emissions for Sacramento Nonattainment Area Posted. This posting includes updates to the inventory submitted by SMAQMD as follows:

Base-year Emission Changes Received by ARB: March 4, 2003 and April 11, 2003

Growth Data Received by ARB: March 4, 2003 and April 11, 2003

Control Data Received by ARB: March 4, 2003 and April 11, 2003

**(Version 2.04)**

**May 1, 2003**

Re-run of Sacramento Nonattainment Area projections—new growth data were not incorporated in Version 2.03 run.

2001 Pesticides added to the site.

**(Version 2.05)**

**May 6, 2003**

Re-run of Sacramento Nonattainment Area projections—error in growth data corrected in Version 2.04 run.

**(Version 2.06)**

**May 7, 2003**

Correction for 2007 – 2009 Off-Road SO<sub>x</sub> emissions.

**(Version 2.07)**

**May 14, 2003**

Added Nonattainment area reporting parameter for Sacramento and San Joaquin Valley.

**(Version 2.08)**

**June 12, 2003**

Posted revised modeling projections for July/August 2000 and July 1999 O<sub>3</sub> episodes. These projections include the following updates (note: Other episodes also fall under Version 2.08 and planning projections will be brought in sync with this version in the next web update):

1. Revised projections for trains based on revised growth assumptions applied to the 1990 baseline inventory

2. Revised growth for agricultural categories all portions of the state except for San Joaquin Valley that was already updated prior to the SJV PM10 SIP;
3. [Updated pesticide emissions based on revised forecast and temporal methodology.](#) This update applies to all portions of the state except San Joaquin Valley where the new methodology was already accounted for in the PM10 SIP projections.
4. Updated emissions for agricultural IC engines for all regions except SJV (already updated).

[EIB Chain of Custody Form #907](#)

**June 23, 2003**

Planning Projections added to the web site (Table of Contents Item 1.a)

Includes updated on-road emissions based on EMFAC2002 Version 2.2 (April 23, 2003 Activity)

[EIB Chain of Custody Form #907PEI](#)

**July 2, 2003**

Train emissions were corrected after the original posting of version 2.08 to correct a forecasting/inventory linkage problem associated with the use of the 1990 inventory as the base year for the projection.

**July 11, 2003**

Bay Area vehicle refueling corrected for double-counting of gas can emissions. This correction was made to to Table of Contents Item 1.a and modeling inventories in Section 4. Version number remained 2.08.

**(Version 2.09)**

Update of Oil/Gas Production emissions for Yolo and Solano counties.

Note: This update has only been reflected in the planning projections (Table of Contents Item 1.a.) The modeling inventories in section 4 still denote version 2.08.

Note: The 1999 emission inventory was refreshed on the forecast system on July 11, 2003 to capture these updates following the March 26, 2003 freeze date.

**(Version 2.10)**

**August 1, 2003**

Corrected the 1990 train inventory and associated projections (grown from 1987 BAH report). The prior projections (version 2.08) were developed based on the 1990 CEIDARS inventory as it existed. The new inventory is consistent with the growth assumptions extending from 1987 forward. This update was only made to planning inventory projections (modeling inventory projections Version 2.08 do not include this correction yet).

### **(Version 2.11)**

#### **November 5, 2003**

Updated point and area source emissions for Sacramento Metro area.

Updated train emissions (switching) for Placer and Sacramento counties.

Updated TOG emissions from natural gas transmission losses in the Sacramento Valley counties.

Updated power plant emissions for Monterey Bay.

Updated livestock emissions (statewide) based on revised estimation methodology.

Updated non-agricultural stationary IC engine emissions (statewide) based on revised methodology consistent with ARB ATCM.

Updated control assumptions for agricultural IC engines to be consistent with the ARB ATCM.

Updated 1999 vehicle refueling emissions for SCAB to reflect non-compliance rates consistent with 2003 South Coast AQMP.

#### **November 20, 2003**

Updated Lawn and Garden (SORE) emissions statewide. These updates were made by scaling the regional emissions using statewide correction factors.

#### **December 14, 2003**

Updated farm equipment emissions based on revised growth activity per Agricultural Advisory committee recommendations.

#### **December 18, 2003**

Updated commercial aircraft emissions for the San Joaquin Valley. These are interim estimates until STI's contracted study is completed.

**(Version 2.12)**

**April 14, 2004**

Updated Can and Coil Coating Emissions for San Joaquin Valley APCD.

**April 14, 2004**

Updated population growth data for Monterey Bay APCD.

**(Version 2.13)**

**July 15, 2005**

Updated control rule data for San Joaquin Valley APCD.

**(Version 2.14)**

**November 9, 2005**

Updated growth activity data for paved road PM categories in the San Joaquin Valley APCD.

Note: Version 2.13 was deleted from the web site upon discovery of a data reporting anomaly. Version 2.14 replaces version 2.13 with the only change being the update of paved road dust emissions in the San Joaquin Valley.