

Mobile Emissions Inventories: EMFAC7g and EMFAC2000 comparisons by air basin, prepared for the California Department of Transportation, UC Davis-Caltrans AQ Project Report Series, Davis, CA

ABSTRACT

The purpose of this study is to conduct a more comprehensive analysis of the impact on emission inventories of the migration from EMFAC7G to EMFAC2000. The emission inventories by air basins were calculated using the two models and the results were compared. Generally, substantial increases in mobile emission inventories were estimated from EMFAC7G to EMFAC2000. To explain this marked increase in the mobile emission inventory a case study on San Joaquin Valley air basin was conducted and the changes in emission factors were found to be the major contributor to the increased estimation of the mobile emission inventories.