

8 Overview of Current Research Efforts

8.6 Collection and Analysis of Weekend/Weekday Activity Data in the South Coast Air Basin - Sonoma Technology, Inc. for CARB

8.6.1 Summary of workplan

A primary objective of this macro-scale activity project is to collect data on emission sources and the associated day of week activity for the four county region of the South Coast Air Basin. These data will be used later to generate gridded, day-of-week emission inventories.

Task 1 - *Collect On-Road Motor Vehicle Activity Data.* The STI team will collect data using phone and mail surveys, CalTrans Weigh-in-Motion (WIM) data in-vehicle GPS technology, and automated traffic counters.

Task 2 - *Collect and Reduce Off-Road Motor Vehicle Activity Data.* The STI team will use phone and mail surveys to collect this data, and combine the results with findings from other ongoing WE/WD studies.

Task 3 - *Collect and Analyze Stationary and Area Source Activity Data.* The STI team will use phone and mail surveys to collect this data, and combine the results with findings from other ongoing WE/WD studies.

Task 4 - *Compile and Reduce Data Sets.* STI will compile and reduce the data and assemble all emissions activity data and digital site maps into ArcInfo GIS format with links to Microsoft Access databases containing the tabular emissions activity data.

Task 5 - *Prepare a Final Report.* STI will prepare a Final Report that describes the data collection, data validation, and data analysis efforts.

8.6.2 Final report(report for CARB “Macro-Scale” activity contract (00-313) will be prepared as a combined final report with the “Micro-Scale” activity contract (00-305)).

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