

**Assistance Agreement Quarterly Report
for the period of July 1, 2001, to September 30, 2001**

October 1, 2001

Fresno, California, Particulate Matter (PM) Supersite Monitoring Program
EPA Assistance Agreement No. R-82805701-01

WORK PROGRESS AND STATUS

Third quarter 2001 activities are summarized based on applicable tasks stated in the Fresno Supersite QAPP.

Task 1 – Equipment Procurement and Installation.

- No new equipment has been procured or installed during the third quarter of 2001.

Task 2 – Network Operations and Data Processing.

- Network operations and data processing have continued through this period.

Task 3 – Laboratory Measurements.

- PM_{2.5} mass and chemistry analyses of filter samples from FRM and chemical speciation samplers collected every sixth day through 08/31/01 are in progress. Anticipated completion data is 12/31/01.

Task 4 – Quality Assurance.

- CARB field audit was conducted on 07/10/01 and 07/11/01.
- Continued to assemble standard operating procedures for the field measurements.
- Fresno Supersite Quality Assurance Project Plan (QAPP) was approved by the USEPA on 07/09/01.

Task 5 – Data Validation and Data Analysis. Level 0 data validation was completed for continuous gas, particle mass and chemistry, light scattering, light absorption, particle size, and meteorology measurements through 07/31/01.

Task 6 – Management and Reporting.

- The principal investigators visited the Fresno Supersite from 08/01/01 to 08/03/01.

PERSONNEL

There have been no changes of key personnel related this study.

EXPENDITURES

Budget expenditures to date are on target, and no revisions to the approved budget are expected to be necessary at this time.

QUALITY ASSURANCE

Standard operating procedures continue to be assembled for the field measurements. The Quality Assurance Project Plan (QAPP) was approved by EPA on 07/09/01.

RESULTS

There are no results to report for this period.

PLANNED ACTIVITIES FOR THE FORTHCOMING QUARTER:

During the fourth quarter of 2001, the principal investigators plan to: 1) continue assembling standard operating procedures, and 2) finalize data validation criteria and database structure.

PUBLICATIONS AND PRESENTATIONS:

No manuscript were submitted or accepted during this quarter. Three presentations were given:

- Chow, J.C., and J.G. Watson (2001). Overview of the Fresno and St. Louis Supersites. Presented at the Air Quality Monitoring Technology Exchange Workshop, Taipei, Taiwan, 6 September 2001.
- Watson, J.G., and J.C. Chow (2001). Zones of Representation for the Fresno, CA, Supersite. Presented at the International Union of Air Pollution Prevention and Environmental Protection Association's 12th World Clean Air & Environment Congress and Exhibition, Seoul, Korea, 29 August 2001.
- Watson, J.G., and J.C. Chow (2001). Supersite Database Management and Validation. Presented at Air Quality Monitoring Technology Exchange Workshop, Taipei, Taiwan, 7 September 2001.

QUARTERLY REPORT SUMMARY:

See attached.