AQRP Monthly Technical Report

PROJECT TITLE	**Dallas Field Study (DFS); Ozone Precursors, Local Sources and Remote Transport Including Biomass Burning**	**PROJECT #**	22-010
PROJECT PARTICIPANTS	**Dr. Ed Fortner PI**	**DATE SUBMITTED**	04/10/2023
REPORTING PERIOD	**From:** 3/01/2023 **To:** 3/31/2023	**REPORT #**	8

A Financial Status Report (FSR) and Invoice will be submitted separately from each of the Project Participants reflecting charges for this Reporting Period. I understand that the FSR and Invoice are due to the AQRP by the 15th of the month following the reporting period shown above.

Detailed Accomplishments by Task for reporting period

Task 2: Base Site Selection:

The Texan RV Ranch in Mansfield TX has been chosen as the base site for the first week of the intensive campaign (Apr 2-9). The Aerodyne Mobile Laboratory (AML) will base out of this RV park for the first week of the campaign staying at that location overnight and making daily mobile measurements throughout the DFW metropolitan area. The Fort Worth Northwest Site owned by TCEQ at the Meachum field airport will be available for the AML to operate out of starting 10 April. An important development has been the approval of site access for the AML beginning at that time. The site access agreement for this location has been completed due to the diligent efforts of Vince Torres and RoseAnna Goewey (TX AQRP), Dakota Shaw at Fort Worth Meachum Field and TCEQ.

Task 3: Campaign Planning:

It was ultimately determined that it would be better to keep the schedule of this campaign within the April timeframe originally planned for rather than delaying with the hope of eventual Meachum Field approval. Certain personnel constraints contributed to the decision to not delay. Intensive measurements begin Apr 3.

Task 4: Instrument Integration

This task has been completed with all instruments installed and ready for measurements.

Preliminary Analysis
N/A

Data Collected

N/A

Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

As discussed above in tasks 2 and 3 the site for the first week of measurements has been changed to the Texan RV Ranch in Mansfield TX.

Goals and Anticipated Issues for the Succeeding Reporting Period

The intensive measurement campaign occurs entirely within the next reporting period (1 April – 30 April). The measurement campaign is on track with base locations and particular measurement points of emphasis determined.

Detailed Analysis of the Progress of the Task Order to Date

Taks 2 through 4 have all been completed on schedule. Task 5 will be executed in the forthcoming reporting period.

Do you have any publications related to this project currently under development? If so, please provide a working title, and the journals you plan to submit to.

☐**Yes** ☒ **No**

Do you have any publications related to this project currently under review by a journal? If so, what is the working title and the journal name? Have you sent a copy of the article to your AQRP Project Manager and your TCEQ Liaison?

☐ **Yes** ☒ **No**

Do you have any bibliographic publications (ie: publications that cite the project) related to this project that have been published? If so, please list the reference information. List all items for the lifetime of the project.

☐ **Yes** ☒ **No**

Do you have any presentations related to this project currently under development? If so, please provide working title, and the conference you plan to present it (this does not include presentations for the AQRP Workshop).

☐ **Yes** ☒ **No**

Do you have any presentations related to this project that have been published? If so, please list reference information. List all items for the lifetime of the project.

☐ **Yes** ☒ **No**

Have any personnel changes occurred that were not listed in the original proposal? If so, please include a detailed description of the personnel change(s) below.

☐ **Yes** ☒ **No**

Are any delays expected in the progress of the research? If so, please include a detailed description of the potential delay below.

☐ **Yes** ☒ **No**

Describe any possible concerns/issues (technical or non-technical) that AQRP should be made aware of.

No new concerns or issues.

Are you anticipating using all the available funds allocated to this project by the end date? If not, why and approximately what is the amount to be returned?

☒ **Yes** ☐ **No**

Submitted to AQRP by

Dr. Ed Fortner, PI