

# AQRP Monthly Technical Report

|                             |                                                                    |                       |               |
|-----------------------------|--------------------------------------------------------------------|-----------------------|---------------|
| <b>PROJECT TITLE</b>        | Longterm trends in dust sources in West Texas                      | <b>PROJECT #</b>      | 26-001        |
| <b>PROJECT PARTICIPANTS</b> | Rebecca Sheesley, Gannet Hallar, Elisabeth Andrews, Erin Boedicker | <b>DATE SUBMITTED</b> | Sept 10, 2026 |
| <b>REPORTING PERIOD</b>     | <b>From:</b> Aug 1, 2026<br><b>To:</b> Aug 31, 2026                | <b>REPORT #</b>       | 1             |

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 15<sup>th</sup> of the month following the reporting period shown above.

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## Detailed Accomplishments by Task for reporting period

- Worked to complete contracting and grant setup at the three institutions.
- Met with graduate students and planned effort for the first quarter.
- Started data acquisition for the first task.
- Identified a conference which aligned with the scope of this project and submitted an abstract.
- Kickoff meeting planned for Sept 3.

## Preliminary Analysis

NA

## Data Collected

- Data collection on this project only refers to acquiring secondary datasets
- Started to gather the TCEQ PM datasets for El Paso, including PM2.5, PM10, and speciated PM.
- Started to gather the high resolution MODIS data and to define the spatial coverage.

## Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

Delays in contracting finalization at University of Colorado meant no funding and thus no work performed by University of Colorado team during reporting period #1.

## Goals and Anticipated Issues for the Succeeding Reporting Period

- Kickoff meeting
- Continued effort on data acquisition from existing TCEQ, MODIS and the National Weather Service.
- Resolution of contracting issues for University of Colorado

### **Detailed Analysis of the Progress of the Task Order to Date**

- We are working on the first task - conducting dust identification using three different methods. We are also working on the fourth task - PMF of speciated PM.

**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

Title: Source Apportionment of PM<sub>2.5</sub> in El Paso, Texas: A Long-Term Study from 2000 to 2025  
Conference: A Symposium on Dust Impacts on Climate, the Environment and Human Health, UC Davis, Nov 16-17, 2026.

The abstract was submitted and accepted. We will be presenting a poster in Nov in Davis during poster session 2 <https://ucdustsymposium.sf.ucdavis.edu/poster-session-2> . Future submissions will be emailed to the full group of TCEQ liasons.

**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

Delays in contracting finalization at University of Colorado meant no funding and thus no work performed by University of Colorado team during reporting period #1. We are anticipating that this will be resolved for Sept and will not have a long-term impact on progress.

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

NA

**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

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Submitted to AQRP by      Rebecca J Sheesley  
[Principal Investigator Name]