

# AQRP Monthly Technical Report

<b>PROJECT TITLE</b>	Ozone Measurements and Platform Emission Factors in the Gulf of Mexico	<b>PROJECT #</b>	20-009
<b>PROJECT PARTICIPANTS</b>	Aerodyne Research, Inc.	<b>DATE SUBMITTED</b>	09/10/2020
<b>REPORTING PERIOD</b>	<b>From:</b> August 1, 2020 <b>To:</b> August 31, 2020	<b>REPORT #</b>	3

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

The ozone instrument that will be used for this project has been installed on the Aerodyne Mobile Laboratory for an unrelated project. NO<sub>x</sub> measurements are also available on the mobile lab, which will provide additional diagnostic information during ozone titration events.

The ozone monitor is responding to additions of zero-air gas and is functioning normally. It is logging to a data analysis and display computer, as it will be on the ship. Calibration of the monitor will be done prior to its deployment on the vessel, in several months.

We continue to be in close contact with campaign management, but have no new updates on industry partners.

## Preliminary Analysis

There is no preliminary analysis to report.

## Data Collected

There is no data collected.

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

There are no new problems or issues. Finding a willing industry partner to provide access to an offshore platform remains the central issue in campaign planning. Campaign leadership continues to explore contacts in the offshore industry.

## Goals and Anticipated Issues for the Succeeding Reporting Period

In the next reporting period, we plan to continue conversations with campaign leadership and vessel operators about campaign timing and details.

Data from the ozone instrument currently installed in the mobile laboratory will be analyzed as part of an unrelated project. However, this will help us understand the instrument's performance for future measurements.

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

The progress in the first several months of this project will be limited due to the timing of the proposed campaign, and to preserve funds for the campaign itself and follow-on analysis. Thus, progress is as expected.

**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.**

**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  
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