

AQRP Monthly Technical Report

PROJECT TITLE	Improved Land Cover and Emission Factor Inputs for Estimating Biogenic Isoprene and Monoterpene Emissions for Texas Air Quality Simulations	PROJECT #	14-016
PROJECT PARTICIPANTS	Alex Guenther (Battelle/PNNL) Joost de Gouw (NOAA) Greg Yarwood, Sue Kemball-Cook (ENVIRON)	DATE SUBMITTED	5/8/2015
REPORTING PERIOD	From: April 1, 2015 To: April 30, 2015	REPORT #	12

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

Task 1: Estimation of Terpenoid Emission Fluxes from Aircraft Data

No work was done on Task 1 during April 2015.

Task 2: Development of High Resolution Land Cover Data for MEGAN Modeling in Texas and the Southeastern U.S.

No work was done on Task 2 during April 2015.

Task 3: Emission Factor Database Development

PNNL continued work on improving the updated land cover and emission factor dataset.

Task 4: Development of MEGAN Biogenic Emission Inventories and Inventory Evaluation using Regional Photochemical Modeling

No work was done on Task 4 during April 2015.

Task 5: NOAA, PNNL and ENVIRON worked on the draft final report.

Data Collected

None

Identify Problems or Issues Encountered and Proposed Solutions or Adjustments

None to date

Goals and Anticipated Issues for the Succeeding Reporting Period

Task 3: Continue developing high resolution emission factor database by incorporating aircraft observations.

Task 4: ENVIRON will carry out a new sensitivity test using MEGAN emissions developed with another set of updated MEGAN inputs currently being developed by PNNL under Task 3.

Task 5: NOAA, PNNL and ENVIRON will complete the draft final report.

Detailed Analysis of the Progress of the Task Order to Date

The project remains on schedule and budget for completion and delivery of the final AQRP-reviewed report by the AQRP contract end date of June 30, 2015.

Submitted to AQRP by: Joost de Gouw, Haofei Yu and Sue Kemball-Cook
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