

NTRD Program Disclaimers

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**Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Monthly Project Status Report**

Contract Number: 582-5-65591-0003

Grantee: *The University of Texas at Austin*

Date Submitted: *October 24, 2006*

Report for the **Monthly** period:

Starting Date *September 1, 2006*

Ending Date *September 30, 2006*

Section I. Accomplishments

Summary of progress during reporting period:

Activity during the reporting period included air quality monitoring at sites along the Texas-Louisiana border (**Task 1**).

Five (5) measurement sites for this project were initially deployed. A sixth site became operational during the last reporting period. During this reporting period all six (6) sites collected data and provided it to the TCEQ's data management system. Data from all of the sites are available online. The sites became operational on the following dates:

Wamba NTRD C645 (near Texarkana) became operational 7/22/05

Newton NTRD C639 became operational 7/25/05

Clarksville NTRD C648 became operational 7/22/05

San Augustine Airport NTRD C646 became operational 7/29/05

Smith Point, an existing site, had ozone measurements become operational on 8/10/05

Mauriceville (CAMS 665), became operational in early August 2006.

Data analysis (**Task 2**) involved interpolations of ground monitoring data for selected episodes from the summer, 2006 monitoring period. Ozone flux calculations continued for days that resulted in high ozone concentrations in the Dallas-Fort Worth region.

A number of high ozone concentration events occurred during this period (especially September 7, 14 and 20 in Houston) and data analysis during October and November will focus on these events. These analyses are being incorporated into the TCEQ's Rapid Science Synthesis activity.

Section II: Problems/Solutions

<p>Problem(s) Identified</p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<p>None</p>
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	
<p>Action(s) Conducted and Results</p> <p><i>(Please describe the action(s) taken to resolve the problem(s) and its effect)</i></p>	

Section III. Goals and Issues for Succeeding Period:

During the next reporting period, the project goals are:

- Continue data collection through part of October, then begin to decommission sites
- Continue data analysis activities, specifically focusing on modeling the sensitivity of night-time ozone concentrations to changes in night-time meteorology, and analyzing the data from August and September 2006.



Date 10/24/06

Authorized Project Representative's Signature

NOTE: Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.