

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: ***November 21, 2005***

Report for the **Monthly** period:

Starting Date ***October 1, 2005***

Ending Date ***October 31, 2005***

Section I. Accomplishments

Summary of progress during reporting period:

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

As noted in the previous progress reports, five measurement (5) sites for this project have been deployed. In the reporting period all of these 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 7/20/05

Newton NTRD C639 became operational 7/22/05

Clarksville NTRD C648 became operational 7/26/05

San Augustine Airport NTRD C646 became operational 7/27/05

Smith Point, an existing site, had ozone measurements become operational on 8/3/05

Some of the sites were temporarily shut down due to Hurricane Rita. Most of the sites resumed operation immediately after the passage of the hurricane. The Newton site, however, was without power for several weeks. In October, power was restored to the Newton site. The site is now operational and has been reporting data since the end of October, 2005.

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
- Continue data analysis activities

During the next reporting period, air pollutant transport analyses will begin on several of the air pollution episodes that were observed by the network in the summer of 2005. Specifically, the ozone monitoring data generated by the network will be used to predict spatial distributions of ground level ozone concentrations along the eastern border of Texas. These interpolated ozone concentrations will be combined with wind fields, estimated using the NOAA HYSPLIT model, to generate estimates of ozone fluxes across the Texas border during photochemical events.

Date 11/21/05

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.*