

## **NTRD Program Disclaimers**

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

Contract Number: 582-5-70807-0016

Grantee: Valparaiso University

Date Submitted: 2/7/06

Report for the **Monthly** period: January 2006

Starting Date 1/1/06

Ending Date 1/31/06

Section I. Accomplishments *(Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.)* **Indicate which part of the Grant Activities as defined in the grant agreement, the above accomplishments are related to:**

- We had one successful launch in January.
- Previously malfunctioning ozonesonde instruments have been repaired and returned for our use.
- We have drafted a schedule for launches in 2006 that is attached to this report.

Section II: Problems/Solutions

<p><b>Problem(s) Identified</b></p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<ul style="list-style-type: none"><li>• Our second launch at the end of January was postponed due to weather.</li></ul>
<p><b>Proposed Solution(s)</b></p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<ul style="list-style-type: none"><li>• Launch delayed until the first week of February.</li></ul>
<p><b>Action(s) Conducted and Results</b></p> <p><i>(Please describe the action(s) taken to resolve the problem(s) and its effect)</i></p>	<ul style="list-style-type: none"><li>• N/A</li></ul>

**Section III. Goals and Issues for Succeeding Period:** *(Please provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen)*

We are planning to launch 2 times during February from the Rice University campus.

Scott Hersey continues his senior honors project this fall analyzing the data gathered as part of this grant (Task 5).

We are coordinating with the faculty at U. of Houston in preparation for the NASA MIRAGE/MILAGRO mission of March 2006. We are also going to work with them in an attempt to track our instruments using their omni-directional antenna system deployed on the roof of their science building on the U. of Houston campus.

**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.*

\_\_\_\_\_ Date: \_\_\_\_\_  
*Authorized Project Representative's Signature*

**Tropospheric Ozone Pollution Project (TOPP):  
Investigating Air Quality Through Additional Ozone  
Launches in Houston, Beaumont, and East Texas  
Morris, Few and Fraser**

**Ozone Sonde Launch Plan for 2006**

**January & February:** 2 launches per month from Rice Univ. station

**March:** Daily launches from the Rice Univ. station as part of NASA's Milagro campaign.  
(Estimate 20 launches)

**April:** Weekly launches from the Rice Univ. station as part of NASA's INTEX-B campaign.  
(Estimate 4 launches)

**May:** Weekly launches from the Rice Univ. station as part of NASA's INTEX-B campaign.  
(Estimate 4 launches); and 2 launches from Lamar Univ. station in Beaumont.

**June:** Weekly launches from the Rice Univ. station. (Estimate 4 launches); 2 launches from  
Stephen F. Austin State University in Nacogdoches; and 1 launch from Texas A&M University in  
College Station.

**July:** Daily launches from the Rice Univ. station. (Estimate 20 launches); 2 launches from  
Lamar Univ. station in Beaumont; and 1 launch from Texas A&M University in College Station.

**August:** Daily launches from the Rice Univ. station through Aug. 15. (Estimate 10 launches);  
weekly launches from the Rice Univ. station after Aug. 15. (Estimate 2 launches); and 1 launch  
from Texas A&M University in College Station.

**September – December:** 2 launches per month from the Rice Univ. station.

**Estimated total number of launches planned for calendar 2006: 85**

**All launches are tentative and dependent upon weather conditions.**

**Data are posted on the web at [www.ruf.rice.edu/~ozone](http://www.ruf.rice.edu/~ozone) after each launch.**