

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: 10/31/05

Report for the **Monthly** period: January – June 2005

Starting Date 8/1/05 Ending Date 8/31/05

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 launched 8 ozonesondes in August (2.2.1.1, 2.2.1.2)
- Of those 8 launches, 1 occurred from Beaumont (2.2.3.1, 2.2.3.2).
- Data from our launches is available on the project web site:
www.ruf.rice.edu/~ozone (2.2.6)
- On 3 August, we launched two ozonesondes, one at dawn, the other at 2 pm to examine the growth of ozone pollution in the mixed layer over Houston (2.5.2).

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>	<ul style="list-style-type: none">• School year starts this month.
<p>Proposed Solution(s)</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">• Revise launch schedule.
<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>	<p>Undergraduate students from Rice U. will plan to launch at least 2 times per month during the school year so that we can get an idea of the annual variability of ozone profiles over Houston (2.2.2.1 and 2.2.2.2).</p>

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 were able to launch 8 times during the first 11 days of August, providing an intense period of observations similar to those we had gathered last year under funding from the Shell Center for Sustainability.

Due to the start of the school year, the PI (Gary Morris) departed Houston on August 9. Frequent launches were suspended August 11. The undergraduate student workers at Rice will begin bi-monthly launches during the school year.

Senior Scott Hersey begins his senior honors project this fall analyzing the data gathered as part of this grant. He should make progress on Task 5 as part of his senior research.

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