

## **NTRD Program Disclaimers**

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

Contract Number: 582-5-655-91-0007

Grantee: Converter Technology Inc

Date Submitted: April 10, 2006

Report for the **Monthly** period:

Starting Date March 1, 2006      Ending Date March 31, 2006

Section I. Accomplishments *(Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.)*

- Three data acquisition systems were constructed, are tested.
- Continued in-house testing on the new converters to ensure satisfactory performance.
- Received first response from RTI with regard to the statement of work – Testing Plan.

**Indicate which part of the Grant Activities as defined in the grant agreement, the above accomplishments are related to:**

1. Task #4 - Construction of converter, EGR, and data acquisition system.
2. Task #7 – In-house emission and acoustical testing.
3. Task #10 - Verification through EPA and or CARB.

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>• Problem was encountered in EGR valve operability, round construction for housing and valve experienced minor warpage resulting in occasional jam in valve operability.</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>• Design was changed to heavy – gage steel walls for the housing to minimize warpage.</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>• New housing appears to resolve warpage problem. Corrections have been made.</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)*

1. Ship all hardware to Houston including the data acquisition system for installation.

Most challenges in the upcoming periods are suppliers related delays, assembly and check for quality, debugging, and pre-testing in the field.



Date: 04/10/2006

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*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.*



Photo Showing three Mobile Data Acquisition Systems.



Photo showing complete Mobile Data Acquisition System of one unit with software display on the laptop computer.