

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: June 9, 2006

Report for the **Monthly** period:

Starting Date May 1, 2006 Ending Date May 31, 2006

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

- Continued testing of the data acquisition systems and debug the software.
- Continued in-house testing on the new converters with emphasis on the incinerator to ensure satisfactory performance.
- Performed testing of the data acquisition system on a CAT truck in Jackson, Michigan.
- Explored host truck company in Houston for installation of hardware.

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 #8 – On-the-road emission & durability testing.
4. Task #10 - Verification through EPA and or CARB.

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">• Encountered problems with the oxygen sensor software (not adequate for the required range). (Impact: delays and costs overruns)• Exploring with the city of Houston trucks available for demo, all their CAT 3406 trucks are model year 2001 or newer which is not our target retrofit range. Our retrofit target is 1992 thru 1998 model year (5 gm/bhp.hr NOx).
<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">• Upgrade the O₂ software calibration through cooperation between CTI and the supplier.• CTI to explore other options with host truck owners in Houston.
<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>	<ul style="list-style-type: none">• CTI and supplier developed an updated version of the software but could not be finished yet.• Contacts based on leads are in progress in Houston and Jackson, Michigan.

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 and install hardware to Houston, Texas and Jackson, Michigan including the data acquisition system for installation. Negotiations and discussions are still taking place and once done, installation will proceed immediately.

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



Date: 06/09/2006

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.*