

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: August 10, 2006

Report for the **Monthly** period:

Starting Date July 1, 2006 Ending Date July 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 of the incinerator on the road.
- Continue exploring host truck companies in Jackson, Michigan for installation of hardware. These are the city of Jackson, Jackson County, and omni trucks.

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.

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>	<ol style="list-style-type: none">1. Identifying a good match for a truck host company that has at least one preferably two trucks available for the demonstration retrofit and durability requirements.2. Encountered problems with incineration on the road.
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<ol style="list-style-type: none">1. Still in contact with 2 to 3 entities in Jackson, Mich.2. Replacing the "silica mat" on the incinerator with "perforated mica". This will enhance the 12 volt current consumption which soared to 15 amp. during one test on the road.
<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>	<ol style="list-style-type: none">1. Contacts based on leads are in progress in Jackson, Michigan and Houston, Texas.2. Perforated mica samples were ordered from two suppliers, and will be tested in the upcoming period on the road.

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 host truck company in Jackson, Michigan to be followed by Houston including the data acquisition system for installation. Negotiations and discussions are still taking place and once problems are resolved, installation will proceed immediately.

Most challenges in the upcoming periods are related to truck host companies. An adjustment in engine type to 3406e instead of 3406b is being considered due to popularity of the "e" engine in truck applications. We are looking at CAT 3116 engines as alternative due to its popularity in urban applications. Fine tune of EGR calibration will be performed on the road, as our plan calls for.



Date: 08/10/2006

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.*