

## **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: February 10, 2005

Report for the **Monthly** period:

Starting Date Jan 1, 2005      Ending Date Jan 31, 2005

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

- Verification Test Protocol was prepared and sent to CARB.
- On-the-road durability testing and performance evaluation on the particulate converter, 700 miles in durability testing, good results.
- CTI's proprietary EGR valve design is in progress, main features are in place, started procurement of components.
- Testing set-up for EGR mapping is under construction for the CAT 3406 series 14.6L engine.
- Procurement of test analyzer, on-board data acquisition system is in progress – software logic for EGR and data acquisition on-the-road is in progress.

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

1. Task #1, Second round of market study for market assessment in Texas is accomplished.
2. Task #3, Design of retrofit system for two engine families. EGR System design in progress.
3. Task #4, Construction of converter, done: EGR and data acquisition system, in progress.
4. Task #5, EGR mapping, in progress.
5. Task #8, On-the-road emission testing and durabilities, in progress.
6. Task #11, Verification program, EPA and CARB, in progress.

Implementation Grants Section

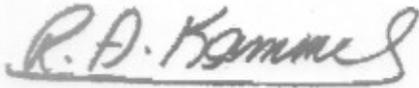
Texas Commission on Environmental Quality

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>	<p><i>None during this period</i></p> <p>Project is progressing smooth.</p>
<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>	<p><i>n/a</i></p>
<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>	<p><i>n/a</i></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)*

1. Conduct independent emission tests at Lotus Testing Lab in Ann Arbor, Michigan.
2. Complete setting up the EGR testing rig for the CAT 3406 series 14.6L engine.
3. Construct two EGR valves and began EGR mapping.
4. Ship converters to Dallas and Houston.
5. Conduct emission testing for PM verification.



Date: 2/10/2005

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.*