NTRD Program Disclaimers

1. Disclaimer of Endorsement:

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Received

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Implementation Grants Section

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: May 6, 2005

Report for the **Monthly** period:

Starting Date April 1, 2005 Ending Date April 30, 2005

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

- Performed emission testing on the Traverse City particulate converter, prepped the unit for emission testing at Lotus Lab in Ann Arbor, Michigan upon receiving a release from CARB
- Performed testing on EGR valves for operability and electronic controls
- Constructed all piping systems and instrumentation and the first TESTO analyzer
- Software development for the EGR is in progress. EGR control logic diagram is complete.
- First marketing report relating to Texas trucks with CAT engine 3406 is complete. Over 5,000 trucks have that engine. Work is in progress relating to emission inventory and reductions.

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

1. Task #1, Fifth 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 #5, EGR software development
4. Task #8, On-the-road emission testing and durabilities, in progress.
5. Task #11, Verification with CARB is in progress.

Section II: Problems/Solutions

Problem(s) Identified *(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)*	*None during this period*
Proposed Solution(s) *(Please report any possible solution(s) to the problem(s) that were considered/encountered)*	
Action(s) Conducted and Results *(Please describe the action(s) taken to resolve the problem(s) and its effect)*	

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 for PM only at Lotus Testing Lab in Ann Arbor, Michigan (still awaiting permission from CARB)
2. Conduct the total test plan for EGR mapping, CAT 3046 engine, 70% NOx reduction target.
3. Begin EGR mapping.
4. Develop specific emission reduction plan based on the CAT 3046 engine, and another one to two engine families based on inventory, age and localities, which can be accomplished through the outcome of this project.

R. D. Kamme

Date: 5/6/2005

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.*