NTRD Program Disclaimers

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AIR QUALITY PLANNING

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 8, 2005

Report for the **Monthly** period:

Starting Date March 1, 2005 Ending Date March 31, 2005

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

- Provide response to questions/issues raised by CARB. Verification testing protocol was amended.
- CTI received all hardware from Traverse City bus after accumulating in excess of 1400 hours durability for PM only. Verification testing will take place immediately once our amended verification protocol is approved.
- Software development for EGR mapping and data acquisition on-the-road is more than 50% complete.
- Procured and obtained most of the hardware for EGR mapping.
- Completed two EGR valve construction – debugging and initial testing is in progress.
- Performed durabilities close to 1000 miles on-the-road for the particulate converter version suitable to accommodate EGR function/operation, work is in progress.
- Engine families and marketing data for Dallas/Houston areas are being developed in progress.

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

1. Task #1, Fourth 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 two EGR for the CAT 4406.
4. Task #5, EGR software development
5. Task #8, On-the-road emission testing and durabilities, in progress.
6. 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.
2. Conduct the total test plan for EGR mapping, CAT 3046 engine, 70% NOx reduction target.
3. Begin EGR mapping.
4. Ship converters to LA, Houston, and Dallas.
5. 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. Kamm

Date: 4/6/2005

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.*