

NTRD Program Disclaimers

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5/10/06

**Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Monthly Project Status Report**

Contract Number: 582-5-70807-M025Grantee: CleanAir Associates Inc.Date Submitted: 5-09-06Report for the **Monthly** period:Starting Date 4-01-06 Ending Date 4-30-06

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

We have traveled to the University of West Virginia the week of May 2nd, and performed the proof of Concept Testing as per the EPA FTP procedures (FR Volume 40, Part 86) for Heavy Duty Diesel Engines, and are awaiting the results of the testing.

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

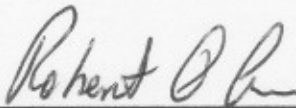
Proof of Concept Testing.

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>	<p>The unanticipated problem we have possibly encountered is the fact the test was performed in a laboratory utilizing a relatively large electric dynamometer system to load and test the engine through the transient cycle. We have a concern that our fuel line catalyst may be adversely affected by the relatively powerful magnetic or electrical fields present in the test cell environment.</p>
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<p>If the problem with the test cell exists to lessen or cancel the milivolt charge that is emitted by our catalytic fuel converter in the test cell, then we will need to retest the Catalyst in a non high electrical or magnetic environment, such as a water brake type of dyno, or a wheel driven dyno that will simulate the real world environment. We wont know until we receive our test results.</p>
<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>	<p>CleanAir Associates Inc. has paid for the Proof of Concept Testing, and is awaiting the results as compiled by the University of West Virginia utilizing the test cell with their large electric dynamometer system, with the catalyst in a grounded and ungrounded configuration, in regards to the test engine and the dynamometer, and the effects of the catalyst in a high electrical and magnetic field.</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)*

The next step in the process is to determine if there are adverse affects to the catalytic fuel converter when tested in a high electrical and magnetic field. If so, then we need to test the catalyst in an environment that is void of these high fields to procure a non influenced test result, that mimics the real world situation, such as is found in the normal on road and non-road environment. After proving our Proof of Concept, we are going to continue to follow the course to procuring our certification for reducing emissions for the on road and non-road vehicles and equipment.



Date: 5-09-06

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.*