

NTRD Program Disclaimers

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

Contract Number: 582-5-70807-M031

Grantee: Extengine Transport Systems, LLC

Date Submitted: March 13, 2006

Report for the **Monthly** period:

Starting Date 02/01/06 Ending Date 2/28/06

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

Task 1: (all technical work is included in this task)

- Alternative SCR and DPF test hardware has been installed and tested.
- Vanadia based system has been selected.
- SCR Control system uses forward control rather than map.
- Tests indicate 70%+ NOx and 90%+ PM efficiency with no increase in other pollutants.
- Continuing negotiations with EPA and RTI regarding test requirements:
 - Introduction of alternative hardware/software approaches
 - Aging cycle and equipment for aging test hardware
 - Field tests of the SCR and DPF components.
- ARB letter with additional questions received – response in preparation.
- Revised EPA application submitted – meeting with Cliff Dean to be scheduled in March.
- Contract extension requested and approved by TCEQ.

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

These accomplishments relate to preparation of test hardware and the initiation of testing. Work to date is required prior to start of testing. These charges are not reimbursable by the grant. A no-charge FSR is submitted with this report.

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>EPA/ARB review and program approval is taking longer than expected.</p> <p>System backpressure is higher than expected</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>Additional testing may be required to resolve some questions, including system backpressure.</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>E-mail and telephone negotiation with EPA, RTI, and ARB regarding program scope and approach – no resolution at this time.</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)*

Goals:

- Complete program test protocol between RTI, SwRI, EPA and ARB.
- Issue PO to RTI

Issues:

- Resolution of ARB/EPA questions
- System backpressure is significantly higher than OE specified
- Verification of SCR and DPF performance.



March 13, 2006

Date: _____

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.*