

## **NTRD Program Disclaimers**

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

Contract Number: \_\_\_\_\_ 582-5-65591-0009 \_\_\_\_\_

Grantee: \_\_\_ General Electric Transportation Rail , Erie, PA \_\_\_

Date Submitted: \_\_\_\_\_ 10/10/05 \_\_\_\_\_

Report for the **Monthly** period:

Starting Date \_\_\_\_\_ 8/18/05 \_\_\_\_\_ Ending Date \_\_\_\_\_ 9/30/05 \_\_\_\_\_

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

1. Replace test engine to Test Cell 28 engine due to excessive smoke\*
2. Test results were good but still need to modify injector one more time to meet emission certification requirement\*

Note: The project activities for the month of September were reduced due to the budget constraint as reimbursement was not received in time to meet the immediate expenses of this project.

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

\* Indicated Southwest Research Institute contractual development and test activities

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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>Test engine smokes too much</i></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>	<ol style="list-style-type: none"> <li><i>1. Causes/Effects analysis showed problem areas</i></li> <li><i>2. Low oil pressure – replace oil pump</i></li> <li><i>3. Smoke – Roots blowers leaking oil Governor hunting and leaking oil</i></li> <li><i>4. Replace test engine</i></li> </ol>
<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>	<ol style="list-style-type: none"> <li><i>1. Replace test engine with Test Cell #28 engine</i></li> </ol>

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**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)*

- Run FTP with the newly modified injectors
- Analyze test data to make sure it meets EPA requirements
- Submit EPA cert application
- Repair Test Engine and ship engine to a customer for revenue field test



Date: \_\_\_\_\_ 10/10/05 \_\_\_\_\_

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.*