

NTRD Program Disclaimers

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

Contract Number: 582-5-65591-0011

Grantee: Cummins West, Inc. dba Cleaire Advanced Emission Controls, LLC

Date Submitted: March 10, 2005

Report for the **Monthly** period:

Starting Date February 1, 2005

Ending Date February 28, 2005

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

- Discussed with TCEQ the January 10, 2005 request for reimbursement for the test engines and the documentation required to process the request.
- With TCEQ, also discussed verification test plan approval from CARB and how that will impact the NTRD project schedule.
- Submitted a Travel Approval Form to TCEQ for Cleaire's first round of testing at SwRI.
- Continued receiving parts from suppliers to fabricate Lonestars to be used in the preliminary testing and for the in-field durability demonstration.

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

Article 1.1.3. and Article 2, Task 1: Construction of Lonestar systems.

Article 2, Task 2: Verification Test Plan Approval

Article 2, Task 3: Emission Verification of Lonestar Systems

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>Claire management is concerned about the discrepancy between the TCEQ and Claire on the specifics of what are approved budget items, especially the preliminary testing.</p> <p>Claire believes that preliminary testing is critical to ensure the best chance of having a positive outcome from the in-field durability demonstration and subsequent verification testing, and is therefore an integral part of achieving positive verification test data (the goal of the NTRD project).</p> <p>Claire did not anticipate that TCEQ would require CARB approval for the formal verification testing before TCEQ would approve Claire performing preliminary testing. This position has created an entirely different critical path for the project than Claire had planned and will add many more months for the overall schedule. Tasks that were anticipated to be done in parallel, now must wait until CARB approval is received and then the subsequent formal approval from TCEQ.</p> <p>Claire is unable to give revised firm dates to project deliverables at this time since considerable time for approvals is outside of Claire's control.</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>Claire and the TCEQ need to continue discussions to reach a common understanding on the terms of the contract as they relate to the specific task details, costs and schedule for the Lonestar verification program.</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>Claire had discussions with the TCEQ in February on the topics of the engine reimbursement and CARB approval for the verification test plan.</p> <p>Claire and the TCEQ agreed on the documentation required to process the request for reimbursement for the engines.</p> <p>Claire understands that the TCEQ wants to wait until CARB approval of the verification test plan before the TCEQ will approve any of Claire's subcontracts with the testing laboratories.</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 for March 2005:

- Continue discussions with the TCEQ to reach a common understanding of all the project and contract issues raised in the January 28, 2005 email by Randy Baylor and responded to in the January 31, 2005 letter by Bill Binder.
- Receive approval from the TCEQ on all of Cleaire's subcontracts and the first Travel Approval form.
- Receive reimbursement from the TCEQ for Cleaire's reimbursement requests.
- Fabricate Lonestar units for durability aging and initial testing at CaTTS and SwRI.
- Finalize the pre-data verification application and submit to CARB.

The following goals are ongoing:

- Identify host vehicles and contact owners' in preparation for installing test units for durability mileage accumulation.
- Continue Cleaire's formal product development processes for the Lonestar.

William D. Binder, P.E.
Authorized Project Representative's Signature

Date: 3/10/05

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.*