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POLICY, ANALYSIS & ASSESSMENT

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: November 10, 2004

Report for the **Monthly** period:

Starting Date October 1, 2004 Ending Date October 31, 2004

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

- Contract signed by Cleaire (10/8) and TCEQ (10/19)
  Cleaire also included a signed notice naming William Binder, P.E. as the designated representative and project manager for Cleaire.
- Notice-to-Proceed issued by TCEQ (10/20)
- Budget revision request submitted by Cleaire to TCEQ (10/27)
  The budget revision request reallocates a portion of the grant funds from the Contractual category to the Travel, Equipment and Other categories. There is also a reallocation within the Contractual category to the various subcontractors.

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

The budget revision request is so that Cleaire can achieve the objectives of the NTRD contract, specifically Article 1.1.3. of the Grant Activities.

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 at this time*
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)*	

- Perform preliminary evaluation of system components, product goals and refine the design for Lonestar.

  This goal may include preliminary performance testing at CaTTS and evaluation of more than one configuration for the Lonestar system.

  The main challenge to this goal is the fact that the final evaluation of the emission components and system configuration cannot be definitively determined until after the durability mileage has been accumulated (typically 6+ months) and formal verification testing has been performed.

- Initiate Cleaire's formal product development processes.
- Determine most promising design(s) and begin material acquisition to fabricate the verification test units.
- Identify host vehicles and contact owners' in preparation of installing test units for durability mileage accumulation.
- Perform detailed project planning and determine critical path items.
- Begin drafting pre-data verification application.
- Purchase engines to be used for the verification testing.

William D. Binder Date: 11/10/04

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.*