

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-T036

Grantee: World Energy Alternatives, LLC

Date Submitted: September 9, 2005

Report for the **Monthly** period:

Starting Date August 11, 2005

Ending Date September 9, 2005

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

1. World Energy Alternatives, LLC established contract with West Virginia University (WVU). WVU sent invoice to World Energy for 40% reimbursement of testing contract established by the two parties. This initial 40% is the total due upon signing the contract.
2. WVU has prepared a test protocol in accordance with the procedures specified in Title 30, Texas Administrative Code, Chapter 114, Subchapter H, Division 2, § 114.315 (c) to perform emissions testing for the approval of Envirodiesel as an alternative diesel fuel formulation for TxLED.
3. A test plan that indicates which test sequences will be used to conduct emissions testing was prepared for inclusion in the test protocol.
4. World Energy is currently working on an analysis of the biodiesel blend stock for testing by WVU. This fuel analysis shows that the candidate fuel meets the specifications in the active version of ASTM D975.
5. Chevron-Phillips sent WVU full specifications on candidate EPA #2 fuel for testing. These specifications were incorporated into the test protocol that will be sent to TCEQ for approval.

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

The above accomplishments are related to Task 2 of the Grant Activities as defined in the grant agreement.

Section II: Problems/Solutions

Problem(s) Identified

(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)

In August, World Energy sent WVU a biodiesel fuel blendstock sample for testing. The sample showed high sulfur content, which was uncharacteristic of the fuel actually sent. It was determined that the sample was contaminated via the petroleum infrastructure used to transport the fuel sample.

Proposed Solution(s)

(Please report any possible solution(s) to the problem(s) that were considered/encountered)

1. To disregard the first biodiesel fuel blendstock sample for testing.
2. To send new sample of biodiesel fuel blendstock to WVU for testing.
3. To test new sample to ensure it meets fuel specifications outlined in the testing protocol.

Action(s) Conducted and Results

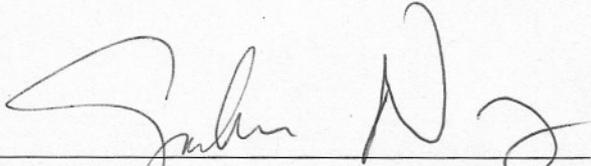
(Please describe the action(s) taken to resolve the problem(s) and its effect)

A new biodiesel fuel blendstock sample has been sent to WVU.

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 goals for the coming period include the following:

1. Provide TCEQ test plan that includes specifications for fuels selected for testing.
2. Receive approval by TCEQ on the test protocol and plan for emissions testing of Envirodiesel as an alternative diesel fuel formulation for TxLED.
3. Begin emissions testing of Envirodiesel in accordance to the approved testing protocol and plan.



Authorized Project Representative's Signature

Date: 9/9/05

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.*