

## **NTRD Program Disclaimers**

### **1. Disclaimer of Endorsement:**

The posting herein of progress reports and final reports provided to TCEQ by its NTRD Grant Agreement recipients does not necessarily constitute or imply an endorsement, recommendation, or favoring by TCEQ or the State of Texas. The views and opinions expressed in said reports do not necessarily state or reflect those of TCEQ or the State of Texas, and shall not be used for advertising or product endorsement purposes.

### **2. Disclaimer of Liability:**

The posting herein of progress reports and final reports provided to TCEQ by its NTRD Grant Agreement recipients does not constitute by TCEQ or the State of Texas the making of any warranty, express or implied, including the warranties of merchantability and fitness for a particular purpose, and such entities do not assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represent that its use would not infringe privately owned rights.

**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: November 16, 2006

Report for the **Monthly** period:

Starting Date – October 10, 2006

Ending Date – November 16, 2006

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

- World Energy had a third party analysis completed for the new biodiesel fuel to be used in 2<sup>nd</sup> round of testing.
- WVU sent a revised test plan to TCEQ for approval.
- WVU worked with TCEQ observer for 2<sup>nd</sup> round of testing.

**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

<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>A revised test plan was sent to TCEQ for approval. The following issues were identified in the revised test plan for resolution before testing could commence.</p> <ol style="list-style-type: none"> <li>1. The revised test plan did not contain instructions for preparing and mixing the test fuel.</li> <li>2. The analysis for the reference fuel was the same as the original test plan and there was concern that an analysis over 5 months old may not be representative of current fuel characteristics.</li> <li>3. The analysis of the biodiesel to be added to the candidate fuel did not contain all parameters to comply with ASTM 6751-06e1.</li> </ol>
<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>	<p>WVU updated the revised test plan to include instructions for preparing and mixing the test fuel. WVU communicated with TCEQ on the reference fuel analysis, stating that the reference fuel is the same as the original test plan and that there has been no characteristic change in the fuel since the original analysis was completed. World Energy sent a sample of the biodiesel to be added to the candidate fuel to a third party laboratory for a full ASTM 6751-06e1 analysis.</p>
<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>	<p>The instructions provided by WVU for preparing and mixing the test fuel were added to the revised test plan, which was then sent to TCEQ and approved for testing. Morris Brown communicated that the original reference fuel analysis would be acceptable for the revised test plan and 2<sup>nd</sup> round of testing. World Energy will be receiving a full ASTM certification for the biodiesel used for testing on November 16, 2006.</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)*

The goal for the coming period is to commence testing and complete report on the testing results.

\_\_\_\_\_ 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.*