NTRD Program Disclaimers

1. Disclaimer of Endorsement:

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

Contract Number: 582-5-70807-T046

Grantee: North Texas Bio-Energy, LLC

Date Submitted: 1/10/06

Report for the **Monthly** period: December 2005

Starting Date: 12/1/05 Ending Date: 12/31/05

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

- Product is being produced by Natural Resources Canada (the owner of the technology which North Texas Bio-Energy, LLC has licensed) for use in testing covered by the Grant.
- Have received drafts of contract documents with West Virginia University, Dept. of Mechanical & Aerospace Engineering and are finalizing these agreements.

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

- Testing to satisfy Texas Low Emissions Diesel Standards

Section II: Problems/Solutions

Problem(s) Identified *(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)*	N/A
Proposed Solution(s) *(Please report any possible solution(s) to the problem(s) that were considered/encountered)*	N/A
Action(s) Conducted and Results *(Please describe the action(s) taken to resolve the problem(s) and its effect)*	N/A

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)*

- We anticipate completion of the production of all product necessary to conduct the testing covered by the Grant by the end of January 2006.
- Execution of all required agreements with West Virginia University.
- Upon completion of this production, we will commence testing, most likely in early January 2006.

_____ Date: 1/10/06

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.*

Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Test Protocol

Contract Number: 582-5-70807-T046

Grantee: North Texas Bio-Energy, LLC

Date Submitted: 1/10/06

1. The emission testing will be conducted at West Virginia University Research Corporation.

2. As only hot start emission tests will be conducted, the testing protocol will be conducted in accordance with Alternative 3 described in Texas Administrative Code §114.315(c)(4)(C)(ii): "RRR CCC RRR CCC (continuing in the same order for a given calendar day; a minimum of 21 individual hot start exhaust emission tests must be completed with each fuel)", with 'R' being the reference fuel and 'C' being the candidate fuel. *Please see attached Proposal for detailed description of Testing Protocol.*

3. The diesel engine that will be used is a 1992 model year DDC S60 (model number 6067GU60, serial number 06R0105610) heavy-duty diesel engine installed into a DC dynamometer transient test cell equipped with a CVS dilution tunnel and analytical bench meeting the requirements of 40 CFR, Part 86, Subpart N.

4. The fuel analysis is in the process of being conducted and will be concluded no later than March 31, 2006.