

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-T041

Grantee: O2Diesel, Inc.

Date Submitted: August 10, 2005

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

Starting Date June 17, 2005 (authorized-to-spend date) Ending Date July 31, 2005

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

- Scoping of candidate fuel in order to finalize testing protocol.
- Preparing the test engine for full testing, upon acceptance of the proposed test protocol by TCEQ.

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

“Develop a test protocol in accordance with the procedures specified in Title 30, Texas Administrative Code... to perform emissions testing for the approval of O₂Diesel™ as an alternative diesel fuel formulation for TxLED...”

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>Just prior to our submission of the required test protocol to TCEQ for review, CE-CERT informed us that there had been a calibration problem with their NOx analyzer. Different emissions results were obtained when the baseline fuel was retested, making it necessary to restart the fuel scoping process.</p>
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<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<p>Further fuel scoping and engine profiling is being conducted, now on a 1991 Detroit Diesel Series 60 engine. Additional candidate fuel formulations are being examined in order to determine the most likely ethanol-diesel blended fuel(s) that can achieve TxLED equivalency.</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>The NOx analyzer has been fixed and fuels are being retested. As a result, submission of our test protocols, planned for the week of August 1, has been delayed until later in the month.</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)*

1. Complete successful scoping of candidate fuel on DDC Series 60 engine by 8/19.
2. Submit test protocol to TCEQ by 8/22.
3. Upon TCEQ approval, begin 7-day testing.
4. Submit results as early as Labor Day.

_____ 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.*