

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-T042

Grantee: Octel Starreon

Date Submitted: 4/17/06

Report for the **Monthly** period: February 2006

Starting Date 2/01/2006

Ending Date 2/28/2006

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

- Information from the first 2 test runs caused concern. A 3rd test run was made on the untreated candidate fuel and the same fuel treated with emissions reducing additive. The outcome indicated that the additive was giving very good emissions reductions when tested against the base fuel.
- Analysis of the reference fuel was completed and the reference fuel was found to be out of specification.
- Analysis of the EPA No. 2 certification fuel reference fuel was completed and the fuel was found to be in specification.

The table gives the difference in emissions between the base EPA certification fuel and the same fuel treated with additive.

Positive results indicate higher emissions

BSHC(cell) g/hp-hr	BSCO g/hp-hr	BSNOx(cell) g/hp-hr	BSPM g/hp-hr	BSCO2 g/hp-hr
-4.11%	-7.35%	-4.65%	0.15%	0.25%

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

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>The TxLED reference fuel was found to be out of specification. The aromatics content was out of specification. Manufacturer had supplied incorrect data on the C of A.</p>
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<p>New reference fuel is being sought.</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><i>Acquiring several reference fuels. 1 fuel is from a California rack. Preliminary data indicates it meets TCEQ requirements in all aspects. A second potential reference fuel is being supplied by ChevronPhillips.</i></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)*

Goal 1 Acquire and analyze new reference fuels.



3/09/06

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.*