

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-T042

Grantee: Octel Starreon

Date Submitted: 2/06/06

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

Starting Date 1/01/2006

Ending Date 1/31/2006

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

- 1/24/06 Initial engine test data indicated that the candidate fuel, treated with emissions reducing additive, was very close in emissions to the reference fuel. Raw averaged data from SWRI below.
- Complete analysis of the reference and candidate fuels was delayed due to an equipment failure in the aromatics test unit at SWRI.
- Plans completed for the next test run.
- 1/30/06 Second potential candidate fuel, treated with emissions reducing additive, gave very poor results relative to candidate fuel 1. Raw averaged data from SWRI below.
- Next test run being planned.

The table gives the difference in emissions between potential candidate fuel and TxLED reference fuel.
Positive results indicate higher emissions

Candidate fuel 1

BSHC(cell)	BSCO	BSNOx(cell)	BSPM	BSCO2
-1.20%	-2.60%	1.20%	-1.00%	0.50%

Candidate fuel 2

BSHC(cell) g/hp-hr	BSCO g/hp-hr	BSNOx(cell) g/hp-hr	BSPM g/hp-hr	BSCO2 g/hp-hr
7.4%	-7.1%	5.7%	-5.0%	2.2%

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>Unable to perform a complete physical properties analysis based for the candidate fuels and reference fuel.</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>SWRI is having the equipment repaired.</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>No further actions required by Octel Starreon. SWRI is in the process of repairing the equipment.</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 Have analytical test data, test plan (unchanged), MSDS and other applicable information submitted to TCEQ for final approval. Goal is to submit by 2/24/06
- Goal 2 Provide TCEQ with adequate notice of the potential start.
- Goal 3 Initiate test program as soon as TCEQ indicates all pre test parameters have been meet.



2/06/06

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.*