

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

Contract Number: 582-11-13515-2019

Grantee: Nett Technologies Inc. (Nett)

Report for the **Date** December 10,
Monthly period: November 1, 2012 to November 3, 2012 **Submitted:** 2012

Section I. Accomplishments

Provide a bulleted list of project accomplishments as well as a description of their importance to the project.

- Sets of three systems has been designed, fabricated, and testing started to choose best performing for durability purposes
- United States Environmental Protection Agency (EPA) application discussion continues
- Environment Canada Testing confirmed and tentative testing date agreed

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

- Task 1

Section II: Problems/Solutions

Problem(s) Identified: Report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project

- a) EPA communicated they were not able to provide proper assessment of our application however they are fully aware of our timelines and promised to meet project deadline.
- b) Testing of three options for the best performing Verification Ageing system began. Two of the options provided lower than expected remission reductions. No negative effect on the progress of the project.

Proposed Solution(s): Report any possible solution(s) to the problem(s) that were considered/encountered

- a) Follow-up on the EPA approval progress needs to be intensified as the 1000hr durability testing should not be delayed beyond mid of January. Even though the date has been moved by one month – we believe the project still will be accomplished within its timeline. Environment Canada has been notified about possible delay and is willing to be flexible on their schedule.
- b) Testing of two selective catalytic reduction (SCR) units were below our emission reduction objective, however one system configuration showed promising results. Testing the best performing system with different diesel oxidation catalysts (DOC) and ammonia slip catalysts (ASC) is to continue.

Action(s) Conducted and Results: Describe the action(s) taken to resolve the problem(s) and its effect

- a) EPA is fully aware of the project urgency and is working on technical/resource related issues on their side.
- b) Taking into account EPA delays, the system optimization is being conducted to choose the best technology.

Section III. Goals and Issues for Succeeding Period:

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

- To obtain EPA Verification test approval
- To finalize durability technology
- To start durability testing

Date: 12/8/12

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.*