

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

Contract Number: 582-11-13515-2019

Grantee: Nett Technologies

Report for the Monthly period: June 16, 2011 - June 30, 2011 **Date Submitted:** July 14, 2011

Section I. Accomplishments

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

- Grant review
- Project kick-off
- Review of EPA & ETV verification protocols for stationary engines
- Preparation of draft test verification plan

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) The United States Environmental Protection Agency (EPA) has two offices that deal with diesel emissions. Mobile applications fall under the responsibility of the Office of Air and Transportation Quality (OTAQ) and stationary engines that are non-transportation related fall under the responsibility of the Office of Air Quality & Planning Standards (OAQPS). As a result, different verification protocols for NO_x retrofit devices have to be followed and we anticipate minor delays for submitting the draft verification test plan to EPA.

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

- a) The Environmental Technology Verification (ETV) program has developed a verification protocol for NO_x Control Technologies for Stationary Combustion Sources that should be applicable to our project. Since the budget for this grant did not include ETV program management cost, Nett Technologies will deal directly with OAQPS.

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

- a) Research on verification protocol for NO_x Control Technologies for Stationary Combustion Sources was conducted and discussions were held with Research Triangle Institute (RTI) & ETV in order to assess applicability of this protocol to our project.

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

- Main goal for this coming period is to prepare the Test Verification Plan as per applicable protocol and submit it to EPA for their approval.
- Secondary goal is to select generator-set that will be used for verification and start engineering design work.

Date: July 14, 2011

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.*