

**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** February 10,
Monthly period: January 1, 2013 to January 31, 2013 **Submitted:** 2013

Section I. Accomplishments

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

- US Environmental Protection Agency (EPA) initial approval for test plan obtained with additional generator loading schedule representing typical operation of the generator to be provided in last minute request.
- Final system configuration – diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR) technology- tested and new system fabricated for durability commencement.
- All components (UDS box, compressor brackets, etc.) of the system designed and fabricated

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 approval of test protocol communicated. However the last minute clarification of the typical 65% generator operating load was requested.
- b) New schedule provided and agreed - it will represent majority of generators typical operation.
- c) Testing of final System Configuration completed.
- d) Durability system representing final technology configuration has been fabricated.
- e) The delays have caused the project to be exposed to danger of missing deadlines. We believe however, we still can meet them.

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

- a) Option of meeting EPA face to face is being considered in second week of February 2013.
- b) System durability will start in mid February regardless of EPA approval as these are not related to technology but semantics of the application. Should there be a different requirement for durability loading schedules etc., these can be accommodated in later part of aging process.

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

- a) EPA's new schedule for system load factors has been provided
- b) System optimization finalized and new durability system has been fabricated.

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 plan approval (face to face meeting)
- To install and start durability of the system

Date: 2/10/2013

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.*