

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

Contract Number: 582-11-13470-2019
Grantee: GE Transportation (GE)
Report for the Monthly period: December 1, 2012 – December 31, 2012
Date Submitted: January 11, 2013

Section I. Accomplishments

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

- Task 2.5: For the month of December 2012, the development team focused on the emissions certification of the 1050 rotations per minute (rpm) rating. This certification included the actual certification test on the 6L250 engine that included troubleshooting any data variation and the fine tuning of the ambient controls within the test station. After completion, the 6L250 was shipped to Grove City GE Diesel Engine Plant for test cell validation planned for early February 2013.
- Task 2.5.1.1 & 2.5.2.1: A formal submission to both the United States Environmental Protection Agency (EPA) and American Board of Shipping (ABS) for certification of the L250 engine series has been made.
- Task 2.7.1.2: The 8L250 was installed successfully into the test labs in Erie, Pennsylvania, and the ratings development for the 900 rmp rating is underway.

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

Task 2.5 The PERFORMING PARTY will obtain all final product certification and compliance approvals from the EPA and ABS for release to manufacturing of a Tier 2 certified 6L250 engine family operating at US EPA Tier 3 emissions levels.

Task 2.5.1.1 All EPA certification testing will be completed using the 6L250 test engine and be completed in the engine test cells in Erie, PA

Task 2.5.2.1 All ABS certification testing will be completed using the 6L250 test engine and be completed in the engine test cells in Erie, PA

Task 2.7.1.2 The performance development will be used to develop various ratings for each engine configuration. The developed rating will include, but is not limited to the following: 8L250, 900rpm, 2679hp.

Section II: Problems/Solutions

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

- Nothing to report

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

- Nothing to report

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

- Nothing to report

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

- Throughout the next two months, the goal is to complete the 900 rpm rating development work for the 8L250 EPA Tier 3 engine as well as to verify the 6L250 1050rpm rating in the Grove City GE Diesel Engine Plant test stations.

Date: January 11, 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.*