



## Section II: Problems/Solutions

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

- Engine test lab personnel support has caused delays in the startup of the 8L250 engine and subsequent testing. Immediate actions were taken to mitigate its impact on the project schedule.
- The turbocharger on the 8L250 test engine failed during the final performance testing. This has no effect on the progress of the project as enough data were collected before turbocharger failure.

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

- Overtime and weekend work shifts can be leveraged to improve the current timeline for finishing the engine performance development.
- The performance team is working with the turbocharger supplier to identify a root cause of the failure. In the meantime, the performance team has collected enough engine performance data to approve and submit the engine rating.

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

- Overtime and weekend work shifts have been leveraged; with respect to the original schedule the performance team believes that all testing will be complete per the grant timeline.
- The performance team is finalizing the failure cause analysis of the turbocharger with the turbocharger supplier, and is engaged with the compliance team to submit for engine compliance approval of the final United State Environmental Protection Agency (EPA) submittal.

## 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 month, the goal is to submit for regulatory approval for the 8L250 T3 engine as well as to verify the entire production 6L250 engine ratings in the manufacturing test cells.

*Date:* March 8, 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.*