

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

Contract Number: 582-11-11147-3264

Grantee: Alternative Motive Power Systems

**Report for the
Monthly period:** August 2011

**Date
Submitted:** September 10, 2011

Section I. Accomplishments

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

- Calls and meetings with additional battery and generator suppliers
- Begin CAD drawings of locomotive
- Continued communications with Railserve regarding precise locomotive dimensions, fabrication, packaging and engine options
- Conversations with American Traction Systems regarding improvements to traction motor drive system

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) No significant problems

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

- a) None

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

- a) None

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

- We are modifying our Task #1 Report Form to enable us to proceed with the purchase of the selected locomotive and initial components.
- We have also met with additional suppliers of generators and Lithium Ion Battery suppliers, Corvus Energy and Aura Systems, regarding promising technologies.
- As long as the build process has not begun, we will continue to investigate promising technologies. We hope to receive the notice to proceed with the build process this month.
- Our default battery selection is still the Odyssey P1800 as initially proposed. As we have mentioned previously, we are familiar with this kind of development, we have options available for batteries, generators and other critical systems should “Plan A” not work out.

Date: September 10, 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.*