

NTRD Program Disclaimers

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12/9/05

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

Contract Number: 582-5-65591-0010

Grantee: Eaton Corporation

Date Submitted: December 8, 2005

Report for the **Monthly** period:

Starting Date November 1, 2005

Ending Date November 30, 2005

Section I. Accomplishments

1. Accomplishment: Previous period's goal #1 (Repair the durability test vehicle and continue testing.) – The failed parts of the axle were replaced and the test started again. Work is progressing toward identifying an appropriate axle for production.
Importance: The results of the durability test will give valuable insight into potential design modifications for the production intent design.

2. Accomplishment: Previous period's goal #2 (Continuing work on the hazard analysis and component FMEAs.) – The component FMEAs are now 95% complete and the hazard analysis is finished. These activities have yielded useful information that will be included in the product specification and product design. The focus for the next month will be on completing all the product specifications.
Importance: Tasks will help assure a product designed with high reliability and safety.

3. Accomplishment: Previous period's goal #3 (Continue design work on the open system.) – The charge pump design is now 75% complete.
Importance: Core product design activities.

4. Accomplishment: Previous period's goal #4 (Acquire more drive cycle data and analyze the data already acquired.) The data from the six local refuse trucks was analyzed to understand driving patterns and driving parameters. The analysis confirmed our belief that the HLA system will work well in the refuse application. The analysis results also suggested ways to modify the design in order to improve the HLA system performance for a larger percentage of the refuse truck population.

Data was gathered on 5 more trucks from a different collection company to corroborate the first data. Data from more trucks is planned until a statistically significant sample size is collected.
Importance: This data will help guide the system design to ensure it will meet customer expectations from a wide variety of customers.

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

1. SOW 2.1.3.1
2. SOW 2.1.3.1
3. SOW 2.1.4
4. SOW 2.1.1.2

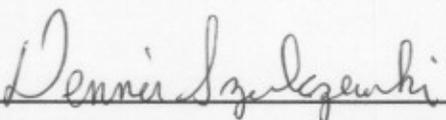
Section II: Problems/Solutions

Problem(s) Identified	
Proposed Solution(s)	
Action(s) Conducted and Results	

Section III. Goals and Issues for Succeeding Period:

Goals:

1. Continue testing on the test vehicle.
2. Complete the product specifications.
3. Continue design work on the open system.
4. Acquire more drive cycle data and analyze the data already acquired.



Authorized Project Representative's Signature

Date: 12/7/05