

## **NTRD Program Disclaimers**

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**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: April 10, 2006

Report for the **Monthly** period:

Starting Date March 1, 2006

Ending Date March 30, 2006

**Section I. Accomplishments**

1. Accomplishment: Previous period's goal #1 (Complete the open system design.) – The design was completed on the remaining minor parts of the pump, such as seals and valves. The reservoir design has made substantial progress in the last month. Bench tests were successfully conducted to validate reservoir design concepts.  
Importance: Core product design activities.
2. Accomplishment: Previous period's goal #2 (Receive HLA hardware.) – The hydraulic pump hardware has been received. The new and critical parts of the system have been inspected to verify the parts were manufactured correctly.  
Importance: Necessary to assemble the hardware.
3. Accomplishment: Previous period's goal #3 (Begin preparations for testing hardware.) – The test plan has been completed. Test equipment and fixtures have been gathered and are being assembled in preparation to begin the testing.  
Importance: Necessary to test the hardware.
4. Accomplishment: Axle upgrade – Axle hardware has been received ahead of schedule and installation on the truck is in process.  
Importance: Necessary to test the hardware on the vehicle.
5. Accomplishment: On-vehicle testing – The HLA hardware for the on-vehicle testing has been upgraded and reinstalled on the test vehicle. The testing has been resumed.  
Importance: The results of the on-vehicle hardware test will give valuable insight into potential design modifications for the production intent design.

6. Accomplishment: Truck arrangements – Arrangements have been made for transportation of the truck to the emissions test site, and for the acquisition of a truck bed to hold necessary weights for testing

Importance: Necessary to test the hardware on the vehicle

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

1. SOW 2.1.4
2. SOW 2.2.1
3. SOW 2.2.2
4. SOW 2.2.3
5. SOW 2.1.3.1
6. SOW 2.3.1

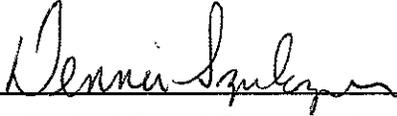
**Section II: Problems/Solutions**

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

**Section III. Goals and Issues for Succeeding Period:**

Goals:

1. Complete bench testing of the HLA hardware.
2. Ship the HLA hardware to the vehicle installation site.
3. Complete the emissions test plan
4. Complete and submit design summary report by 4-20-06.

  
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*Authorized Project Representative's Signature*

Date: 4/10/06