PROJECT OVERVIEW REPORT

1. Center Identifying Number
   NJIT-RU2185

2. Project Title
   Environmental Management Systems for Transportation Maintenance Operations

3. Principal Investigator
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5. Project Description
   Transportation is the second largest source of Greenhouse Gas (GHG) emissions in the United States. The challenge is to reduce GHG emissions through the use of more fuel efficient vehicles, reduction of total miles driven, as well as the inclusion of planning strategies in transportation systems. Less than one percent of New Jersey's total energy consumption represents alternative fuels, so other means must be considered for reducing carbon emissions. The goal of this research project is to support the NJDOT in reduction of GHG emissions through effective monitoring of carbon emissions produced by Operations maintenance activities. In order to accomplish this goal, NJDOT Operations must be in possession of a system for monitoring environmental standards.

6. Dates and Budget
   Start date: 9/01/2009
   End date: 8/31/2011
   Total Dollars: $91,453

7. Keywords
   Environmental, management systems transportation, maintenance operations