

Mecklenburg County Land Use and Environmental Safety Agency

DAQ Site Visit October 20, 2021

NCDEQ, Division of Air Quality



Project Overview

The Mecklenburg County Solid Waste Management Program, Land Use and Environmental Safety Agency (LUESA) runs four full-service recycling centers across the county. The Solid Waste Program is responsible for collection of all recyclables at all Charlotte/Mecklenburg Schools, Central Piedmont Community College and Mecklenburg County facilities making comprising 480 daily stops. The fleet consists of four front end load recycling trucks and nine roll off refuse haulers. Two of the nine refuse haulers are fueled by compressed natural gas and the remaining seven are diesel fueled.

Under this project, LUESA completed the replacement of a 2006 engine model year Class 8 Volvo roll off refuse truck with a 2020 engine model year Peterbilt Class 8 roll off refuse truck. This new truck will be used approximately 250 miles per day and will reduce NOx emissions in the county by 0.28 tons per year. Total cost of the new vehicle was \$202,118 of which \$190,129 was paid for with North

Carolina Volkswagen (VW) Settlement Program (the remaining funds were provided by Mecklenburg County).

On-Road Program

For Phase 1 of the NC VW Settlement program, \$4,208,959 was used to fund projects under the On-Road Program. Sixteen projects were funded under the On-Road Program for the replacement of forty-four vehicles across North Carolina.

Additional Program Details

The North Carolina Department of Environmental Quality, Division of Air Quality administers the \$92 million allocation of VW Mitigation Settlement funds for North Carolina. This project was funded in Phase 1 of the program. Phase 2 of the program will combine the originally planned phases two and three into one final phase. The primary goal of the Clean Heavy-Duty Equipment and Vehicle Replacement Program is to mitigate nitrogen oxides, particulate matter, and greenhouse gas emissions in the state. To achieve that goal, the program will replace Class 4-Class 8 equipment and vehicles such as local freight trucks, ferries, forklifts, and switcher locomotives. Approximately \$13,269,000 will be available for this program.

N.C. Division of Air Quality

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Additional Vehicle Photos



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