

## Image of Proposed Project Area



## Likely Routes of Travel Through Cherokee Co.

### Will likely travel Hwy 11:

Rutherford Co

Burke Co

Mitchell Co

Avery Co

Yancey Co

### Will likely travel 105:

Spartanburg Co

Pacolet

Newberry Co

Union Co

### Will likely travel Hwy 5:

York Co

Gaston Co

Charlotte (through Hwy 29)

These are not to mention Mckowns Mt Rd, Victory Trail Rd, Patrick Rd, and Wilkinsville Hwy.

## Number Of Vehicles And Their Effects On Cherokee Co.

Waste Management has approximated that 300 trucks would be traveling the region's roads. The following calculations were figured using 400 for the reason of an underestimate and also extra vehicles such as WM employees, etc.

400 vehicles per day

1 day=8 hours

Vehicles in and out (400 x2=800)

800 vehicles/ 8 hours= 100 vehicles per hour

100vph/60min= 1.7 vehicles per minute

Imagine the amount of road damage, litter, and leachate (garbage juice) on county roads.

**THE DAMAGE TO OUR ROADS:** Garbage trucks can weigh 25 tons (weight of 5 elephants)

**THE DAMAGE TO THE AIR (BY GARBAGE TRUCKS ALONE)** An average garbage truck travels 25,000 miles annually, gets less than 3 miles per gallon, and uses approximately 8,600 gallons of fuel each year. Over 40% of garbage trucks are over 10 years old, making it the oldest fleet in the US. The average diesel-powered garbage truck costs over \$170,000 and is not retired for 12 years.

**Air quality.** Over 133 million Americans live in areas that violate federal clean air standards. Vehicle emissions, including those from diesel-powered garbage trucks, are responsible for most of the pollution blanketing US cities.

Scientists have long known that air pollution can sicken or kill sensitive groups of people, including children and the elderly. According to a recent study published in the Journal of the American Medical Association, people living in the most heavily polluted areas have a 12% higher risk of dying of lung cancer than people in the least polluted areas. That risk increases to 50% for those who are repeatedly and regularly exposed to diesel exhaust, such as the workers who spend long days at the back of or inside garbage trucks. The California Air Resources Board (CARB) has identified 41 toxic constituents of diesel exhaust that pose an additional health threat. Air pollution is also responsible for a variety of other health problems, including aggravation of the symptoms of asthma, reduced lung function, and other respiratory problems.

**Noise.** Diesel garbage trucks are notoriously loud, generating noise that can cause serious hearing damage. Garbage truck operators, as well as those living along garbage truck routes, are affected by these dangerous noise levels.

**Energy security.** The garbage truck sector alone is responsible for consuming approximately 1 billion gallons of diesel fuel annually, representing nearly 3% of total diesel fuel consumed in the US. And it is the unstable Middle East that provides the US with 30% of its oil imports.

[http://www.informinc.org/fact\\_ggt.php](http://www.informinc.org/fact_ggt.php)

NOTE: THE PRECEDING INFORMATION IS ONLY FOR GARBAGE TRUCKS, NOT OTHER WAYS OF TRANSPORTATING WASTE, SUCH AS TRANSFER TRUCKS AND RAIL ROAD TRANSPORTATION.