GREEN RECYCLING SOLUTIONS, LLC

Innovations in the Processing and Marketing of C&D Materials

www.greenrecyclingnc.com

GREEN
Recycling Solutions, LLC

- **Began Planning and Permitting in 2010**
  - Political and Social Repercussions
  - Local Regulations
  - State Regulations
  - Landfill Permitting
- **Opened Recycling Center on November 2014**

- **Opening Landfill in March 2015**

GETTING STARTED

GREEN
Recycling Solutions, LLC

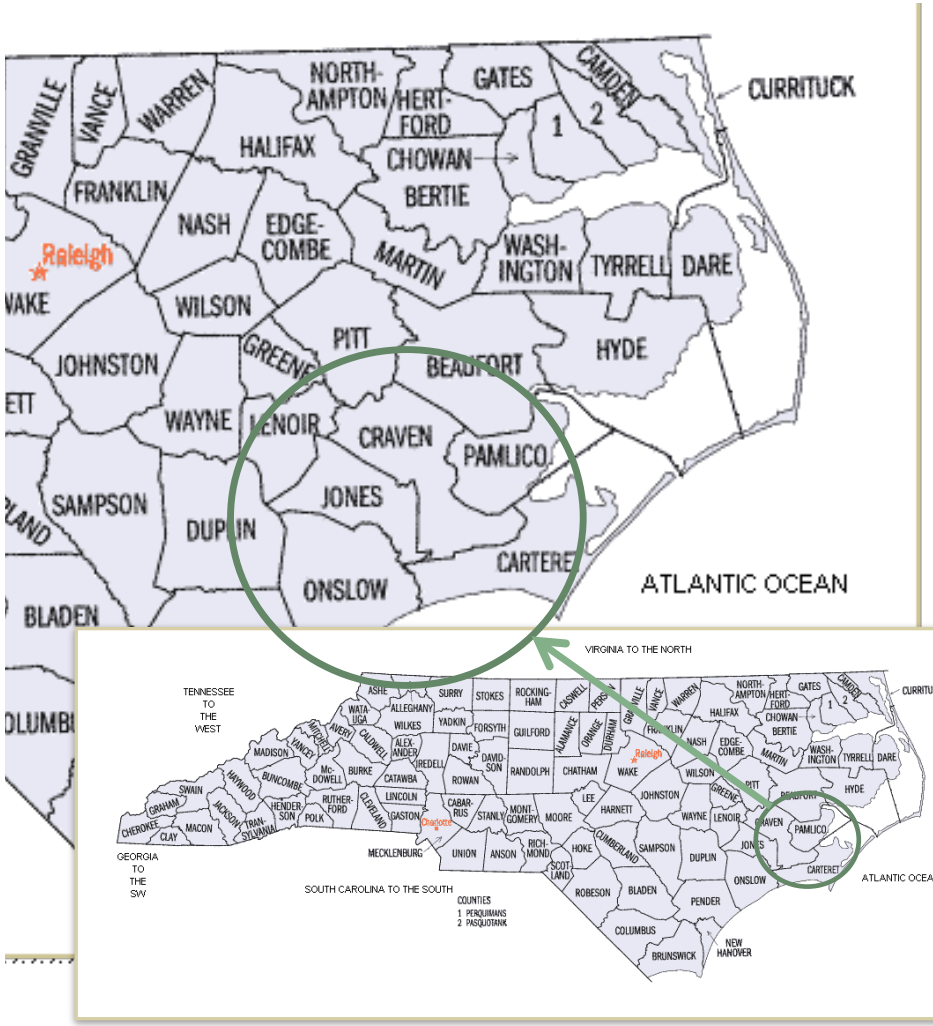
Population

- Population of Maysville is 800
- Total Population of Franchise Area is 487,356

Area of Operation

The Counties of the Franchise Include:

- Jones
- Onslow
- Craven
- Lenoir
- Duplin
- Carteret



Demographics of the Operation

GREEN Recycling Solutions, LLC

- **Who is Green Recycling Solutions**
  - C&D Landfill Operator
  - C&D Recycling Center
  - C&D Hauling Company

GETTING STARTED

GREEN
Recycling Solutions, LLC

Why C&D Recycling

- A Good Business When the Process is Integrated
- Create Jobs in a Economically Deprived Area
- Save Airspace at Landfills
- Leads to Additional Processing and Post Separation Business Opportunities
- LEEDS Recycling in Government Dominated Market
- The Right Thing To Do

Planning the Operation

The Recycling Facility

- Designed for Growth
- Lunch Room
- Bathrooms and Locker Rooms
- 32,000 Sq Ft
- Scale House and Office

Recycling Facility

GREEN
Recycling Solutions, LLC

Design Criteria of C&D Facility

- Best Technology Available
- Building Expandable
- Ability to Handle a Variety of Material with Maximum Separation Rate
- Rugged Construction of System
- Future Growth
- Changing Regulations on Material to be Recycled
- Flexibility of Building and System
- Cornerstone of Recycling Campus

RECYCLING FACILITY

RECYCLING FACILITY

GREEN
Recycling Solutions, LLC

RECYCLING FACILITY

www.greenrecyclingnc.com

GREEN
Recycling Solutions, LLC

RECYCLING FACILITY

GREEN
Recycling Solutions, LLC

- Specification of Landfill
  - 28 Acres
  - Lined Landfill
  - Future Growth
  - Landfill Capacity of First Cell is 1-½ Acres

Landfill

GREEN
Recycling Solutions, LLC

- Very Long Process
- Large Learning Curve
- Recently Approved by NCDENR
- Could Have Opened Recycling Center Earlier if Landfill was Constructed
- Extra Equipment Needed for Landfill
- Extra Personnel Needed for Landfill

LANDFILL

- Composition Changes Day to Day
- Shift of Composition in Demolition Versus New Construction
- Residential Influences on Debris
- Surprised By OCC, Metal and Amount of Wood
- Valuable Metals Not in Material
- No Such Thing as Clean Wood

COMPOSITION OF DEBRIS - TENDENCIES

- Large Fluctuations in All Markets
- Easy to Find - Metal Markets
- Hard to Find - Carpet, Plastics
- OCC is Placed with Sonoco
- Concrete is Crushed and Used Back Onsite
- Wood is Being Mulched
- Excess Dirt Will be Used for Landfill Cover

RECYCLING MARKETS – Current Products and Markets

- Volume, Volume, Volume
- New Markets for Recycled Material
- Overcoming Location and Population Restraints
- Expanding the Product Footprint the Needs of the Local Market
- Transportation Costs of Materials

CHALLENGES AHEAD

- Wood to Mulch
- Pelletizing Wood
- Boiler Fuel
- Sorting Commercial Waste
- Asphalt Shingles Recycling
- Storm Debris and FEMA

Future Businesses and Opportunities

- We are Recycling Today for a Better Tomorrow
- It's Not Easy
- Everyday is a Challenge
- Everyday is Exciting
- Everyday is a Learning Experience
- Like the Business Model

"You Are Only Limited By Your Imagination"

SUMMARY