

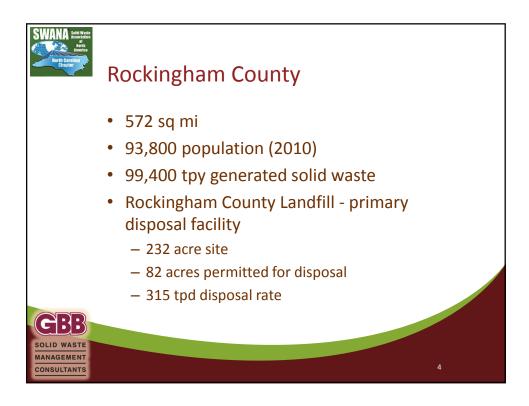


#### Outline

- · Background on Rockingham County
- Challenges Facing the County
- Strategic Planning Elements
- Recommendations
- Lessons Learned



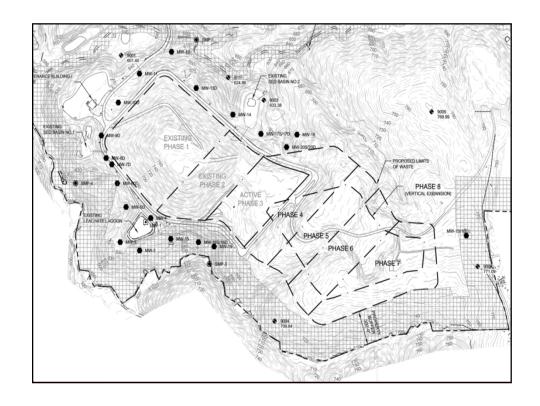














## **Current Recycling Program**

- 6 mobile drop-off trailers
- 10 permanent drop-off centers
- Drop-off centers require material sorted by type
- Curbside recycling in a couple communities (Madison and Stoneville)
- Low recycling rate



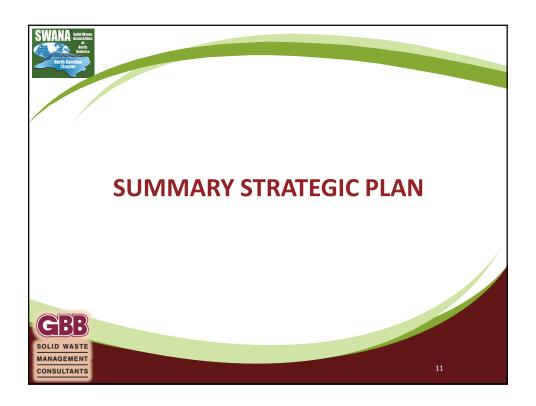
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## **Proposed Private Landfill**

- Proposed private regional landfill in the County
- Same company proposed privatization of the County's landfill
- County need to evaluate these proposals and its own operations
- GBB was hired to assist with the evaluation









## Focus of Study

- Evaluate Landfill Performance
- Review Waste Disposal Market
- Evaluate the Public/Private Partnerships
- Review County's Recycling Program
- Review Waste Conversion Technologies



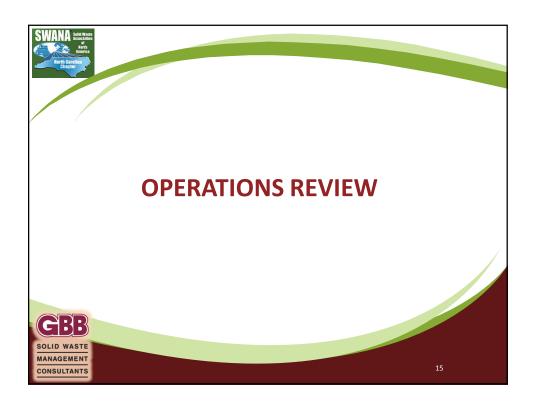
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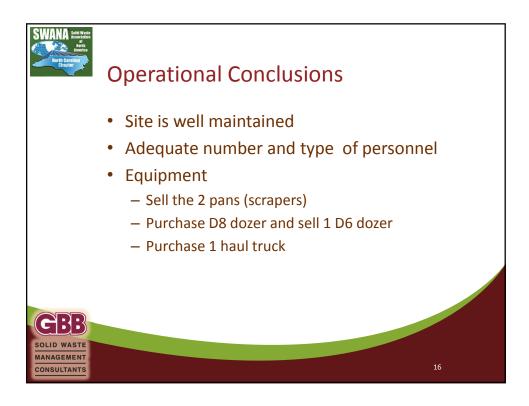


## **Summary Strategic Plan Elements**

- Operations Review
- Landfill Operating Scenarios
- Solid Waste Disposal Marketplace
- Improving Recycling
- Waste Conversion Technologies
- Public/Private Partnerships
- Private Landfill Feasibility Review
- Strategic Plan Recommendations









# **Operational Conclusions (continued)**

- Consider alternate leachate management options
  - Evaporation using LFG
  - Discharge to constructed wetlands
  - Recirculation
  - Forcemain to WWTP
- Consider additional waste tonnage in manageable increments



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## Operational Conclusions (continued)

- Consider capping Phase 1
- Consider Landfill waste compaction monitoring technology
  - Airspace is landfill's asset
  - Industry standard 1,300-1,400 lbs/cyd
  - Prior to 2005, 1,000 lbs/cyd
  - 2011 study, 1,200 lbs/cyd





