

# Community Meeting Presentation



**GREEN RIDGE**  
RECYCLING AND DISPOSAL FACILITY

**Jerry Cifor** - County Waste of Virginia

**Lynn Klappich** - Draper Aden Associates

# ■ About County Waste of Virginia

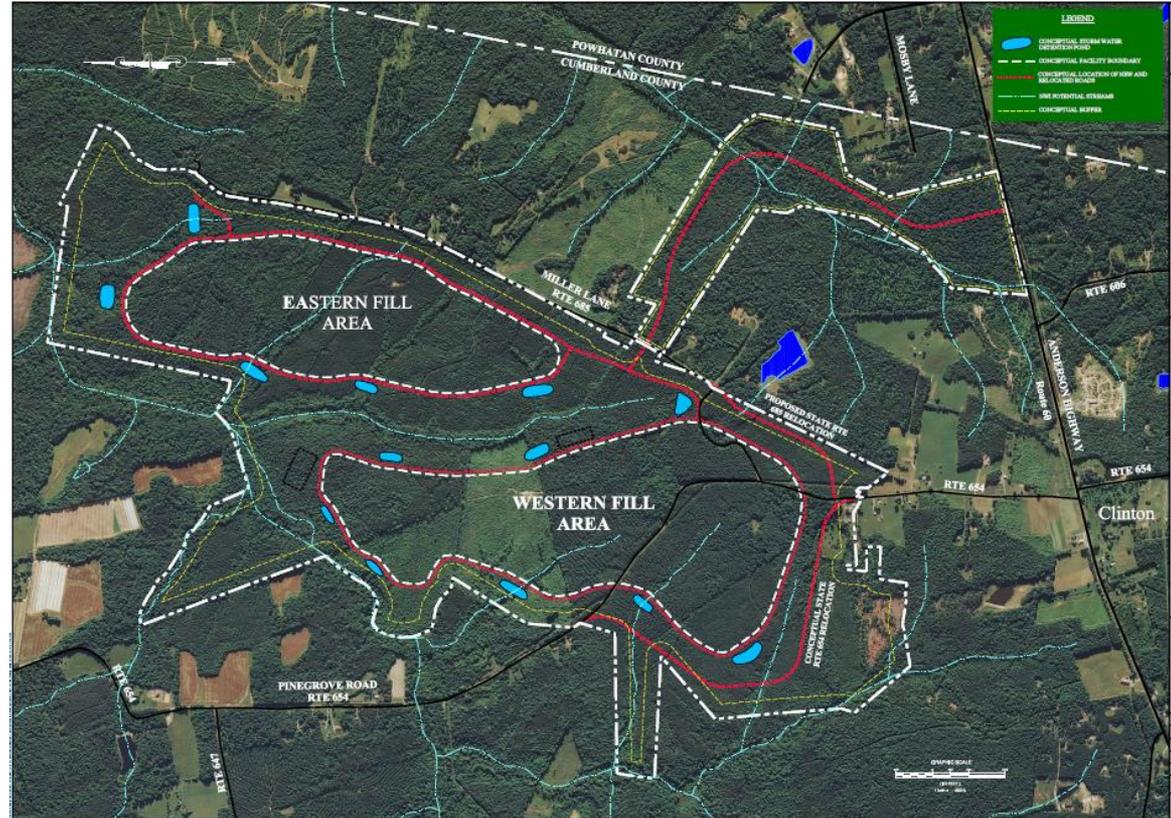
**Largest waste collection company in Central Virginia with more than 300,000 customers**

- **Scott Earl** – Chief Executive Officer
- **Jerry Cifor** – Senior Vice President
- **Jay Zook** – Vice President of Virginia Operations



# Green Ridge Project Overview

- Total site acreage – 1,200+ acres
- Two areas identified for disposal
  - Western – 300± acres
  - Eastern – 200± acres
- Entrance to facility from Route 60
- Entrance road approximately 1 mile long
- Approximately 3,500 to 5,000 tons per day
- Capacity sufficient for at least 35 years



# ■ Similar Project Previously Approved

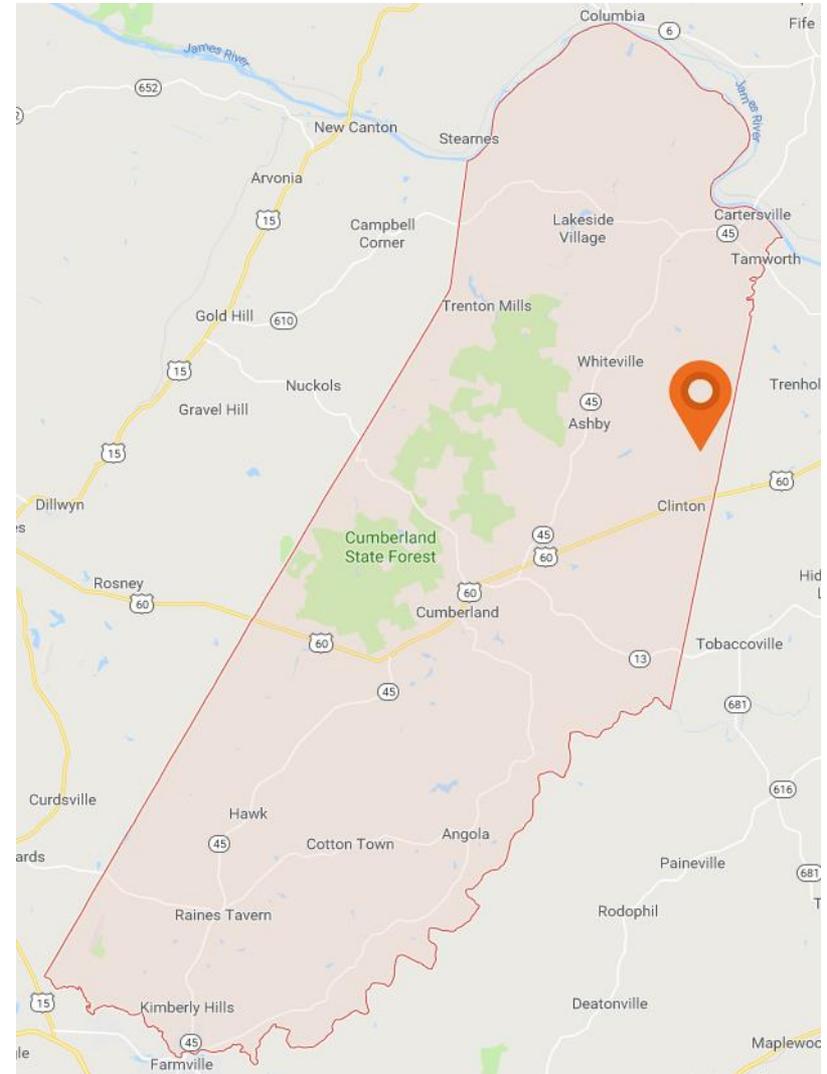
- A landfill was previously approved by the Cumberland County Board of Supervisors in 2006 and fully permitted by the Virginia Department of Environmental Quality.

County of  
*Cumberland*  
Virginia



# ■ Facility Location

- Located on the far-Eastern edge of the County
- Most of the traffic will come from the East
- Minimized traffic impact on the neighboring community and the County as a whole



# ■ Facility Operations

- Staffing
- Hours of operation
- Equipment
- Operational practices
- County Landfill Monitor



# Traffic and Road Improvements

- Far-Eastern location within the County
- Working with VDOT
- Road improvements, including turning lanes
- Extended entrance with lighting



# ■ Adjacent Properties

- Buffers
- Well sampling
- Noise limits
- Lighting limits
- Odor limits



# ■ Odor Management Plan

- Methane gas collection
- Limiting waste type
- Daily mitigation (cover)
- Neutralization agents, if necessary

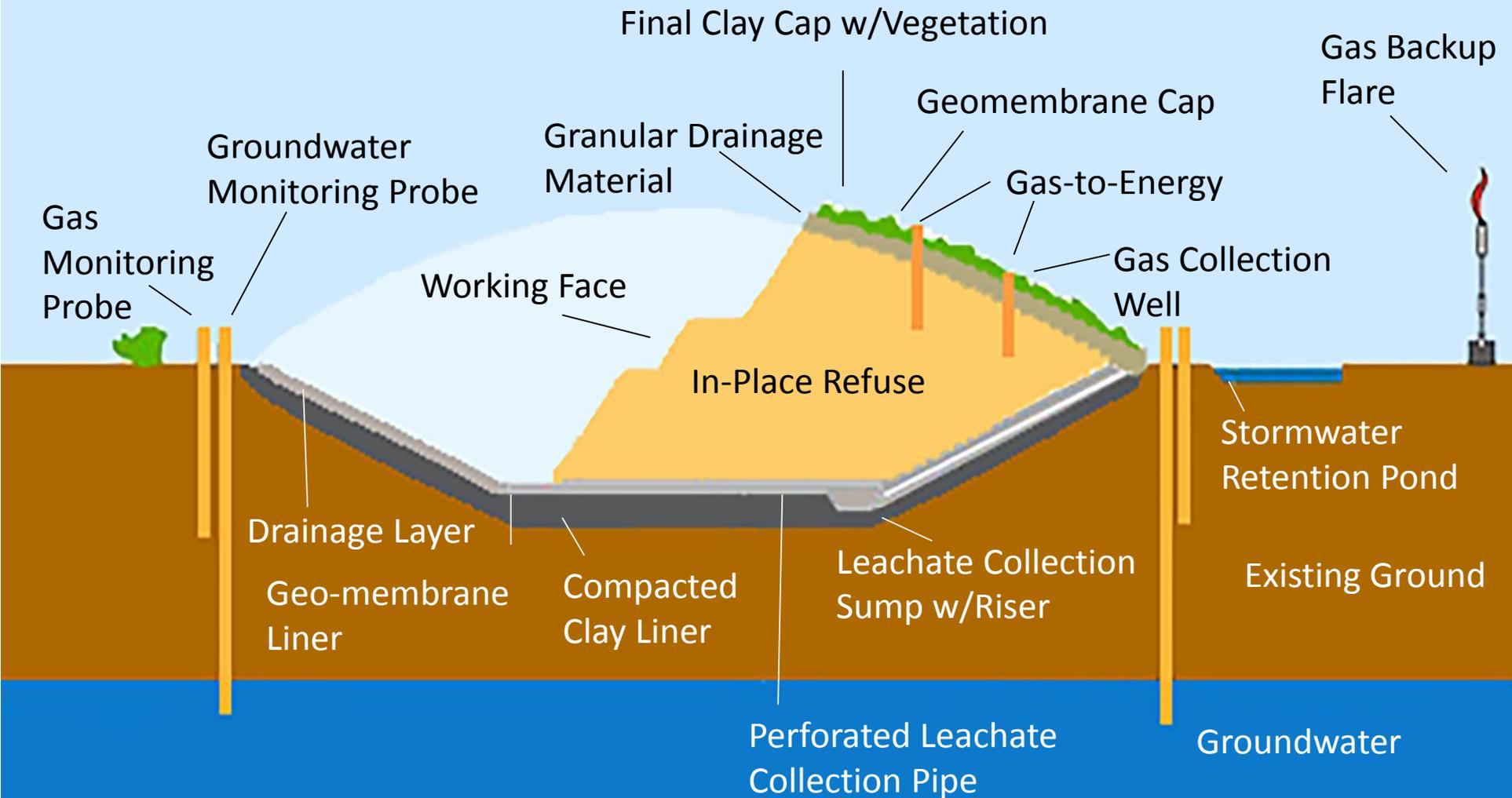


# ■ Regulatory Framework

- EPA Subtitle D (40 CFR Parts 257 and 258)
- Virginia Waste Management Act (Title 10.1, Chapter 14)
- VSWMR (9 VAC 20-81)
- Groundwater and Gas Management Regulations (9 VAC 20-81)
- Air Permitting (9 VAC-5-80)
- Greenhouse Gas Reporting
- Submission Instructions by DEQ staff
- Guidance documents by DEQ staff
- Financial Assurance (9 VAC 20-20-70)
- Permit action fees and annual fees (9 VAC 20-90)
- Planning Regulations (9 VAC 20-130)
- Operator Training (Title 10.1-1408.2)
- Storm Water Regulations (9 VAC 25-870)
- Erosion Control Regulations (4 VAC 25-840)



# Typical Landfill

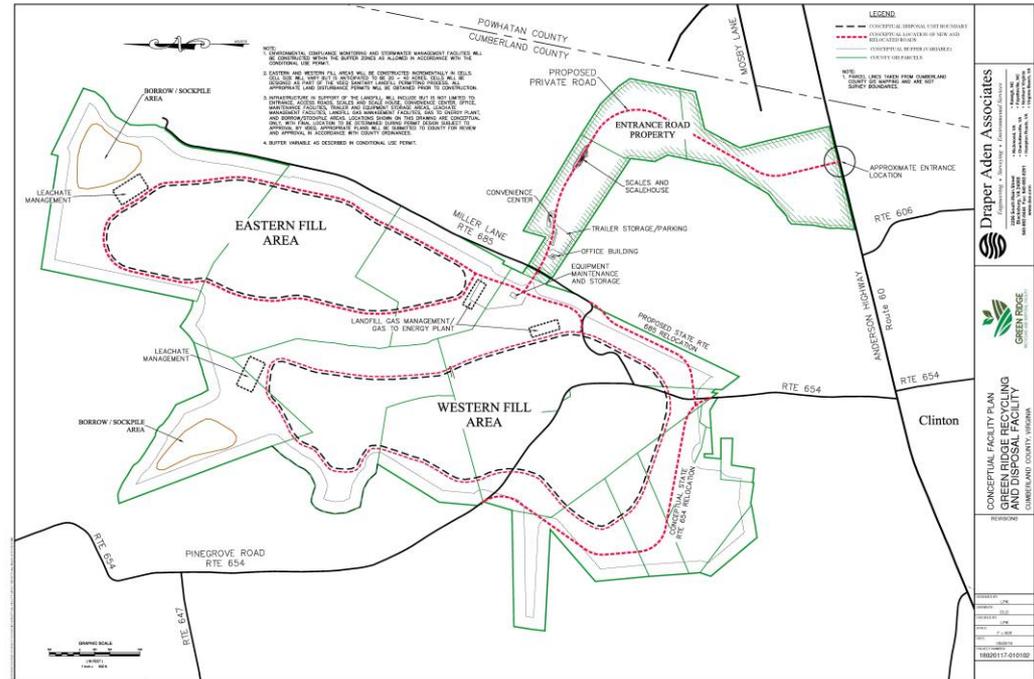


# Landfill Under Construction



# Landfill Permitting and Construction

- Step 1 – Notice of Intent
- Step 2 – Hydrogeologic Evaluation
- Step 3 – Technical Design
- Step 4 – Draft Permit Issued
- Step 5 – Public Comment
- Step 6 – Final Permit Issued
- Step 7 – Construction
- Step 8 – Certificate to Operate



# ■ Closure and Post-Closure Responsibilities

- Closure is:
  - Cap system
  - Gas collection system
  - Monitoring systems
- Post-Closure care period = 30 years
- Post-Closure uses



# ■ Project Benefits

Green Ridge will pay Cumberland County \$1.3 to \$2.7 million each year through a host fee to operate their facility. The annual host fees that are collected will likely result in a 10% to 20% local revenue increase for Cumberland County, providing the county with long-term financial stability and the ability to invest the money as they deem necessary.



Host Fee  
Payments  
to the  
County

Tax  
Revenue

Other  
Payments  
to the  
County

Job  
Creation

Other  
Benefits

# ■ Project Benefits Breakdown

Annual Benefits:	Amount:
Host Fees	<b>\$1.3M - \$2.7M</b>
Machinery, Equipment and Tools Tax Revenue	<b>~\$52,000 - ~\$67,000</b>
Environmental Science Education Program Fund	<b>\$25,000</b>
Recreational Programs Fund	<b>\$25,000</b>
<b>TOTAL:</b>	<b>\$1.4 M - \$2.8 M (per year)</b>

Other Benefits:
10% of Landfill Gas Revenue
Supporting CDL and Mechanic Education Program
Paying for the cost (\$100,000 per year) of a County Landfill Monitor
25 acres of land for the County post-closure
Free waste disposal and recycling drop off at the landfill for County residents
Estimated \$125M - \$150M in construction costs over the life of the facility

## ■ Next Steps...

- Cumberland County Planning Commission Meeting (proposed for June 14<sup>th</sup>)
- Cumberland County Board of Supervisors Meeting (proposed for June 28<sup>th</sup>)
- DEQ regulatory process begins

# ■ Questions?

