Company Overview of Charah

• Privately held company based in Louisville, Kentucky
  – Founded in 1987
• Dedicated to providing the power industry the highest quality performance with total safety and environmental compliance
  – 50+ Long-Term Ash Management Contracts
  – 34 Power Plants in 18 States
  – 16 Million (+) Tons of Coal Combustion Residuals Handled Annually
North Carolina Presence of Charah

- Working in North Carolina since 2001
- 8 active projects in North Carolina
- 120 employees in North Carolina
- NCDOL Gold Certificate in Safety
Beneficial Reuse of Coal Ash

- Transfer 3 million tons of coal ash from un-lined ponds to a safe, fully-lined engineered structural fill.

- Environmentally, scientifically, technically and fiscally sound solution.

- Reclaim clay mine back to natural topography.

- Proven project at the Asheville Regional Airport.
Charah owns the beneficial reuse sites below, all of which are active mines. At each of these sites, Charah has filed a permit modification to use ash as the primary material for reclamation of the mined areas to comply with Senate Bill 729.

Once complete, each site will be permanently capped and closed according to these requirements, inclusive of site management and groundwater monitoring for 30 years.

<table>
<thead>
<tr>
<th>Location</th>
<th>Acreage</th>
<th>Fill Capacity (tons)</th>
<th>Rail Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brickhaven</td>
<td>300</td>
<td>12 Million</td>
<td>CSX/Norfolk Southern</td>
</tr>
<tr>
<td>Sanford</td>
<td>500</td>
<td>8 Million</td>
<td>CSX/Norfolk Southern</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>20 million</td>
<td></td>
</tr>
</tbody>
</table>
Location of Mine Sites
Charah’s proposed beneficial reuse sites will adhere to Senate Bill 729:

**Design of the sites meet or exceed engineering criteria**
- Base liner constructed of a geomembrane layer w/composite compacted clay or geosynthetic clay layer
- An ongoing groundwater monitoring program
- An ongoing detection monitoring program
- A leachate collection system

**Design of the sites meet or exceed siting criteria:**
- 50 feet of property boundary
- 50 horizontal feet of a wetland
- 300 horizontal feet of a dwelling or private well
- 4 feet of the high groundwater table
- Drinking water source survey
Design of a Fully-Lined Engineered Structural Fill

- Vegetative Stabilization
- Soil Cover
- 40 Mil HDPE Liner (Textured)
- Coal Combustion Residuals (CCRs)
- Washed #57 Stone Wrapped with Non-Woven Geotextile
- Perforated HDPE Collection Pipe
- Geocomposite Drainage Layer
- 60 Mil HDPE Liner (Textured)
- Geocomposite Clay Liner
- Soil Subgrade

Illustrative Purposes Only - Not to Scale
Fully-Lined Engineered Structural Fill at the Airport

Base liner installation and subgrade preparation at Airport
Fully-Lined Engineered Structural Fill at the Airport

Drainage layer deployment over base liner
Fully-Lined Engineered Structural Fill at the Airport

Ash placement over liner system
Fully-Lined Engineered Structural Fill at the Airport

Deployment of cap liner across finished ash surface
(Note: Cap liner secured to base liner anchor providing full encapsulation)
Fully-Lined Engineered Structural Fill at the Airport

Placement of soil cover over cap liner
Brickhaven 3

Near 1063 Moncure Pineswood Road (1700 feet south of main mine entrance) looking northwest
1000 feet to nearest edge, 3000 feet to center of structural fill
Brickhaven 4