South Carolina Department of Health and Environmental Control

RDA, LLC
Public Hearing

July 26, 2018
6:00 PM
South Carolina Department of Health and Environmental Control

Mine Operating Permit Application and Draft Permit
Permitted Area Details

- 968.4 acres of total permitted area
  - 594.7 acres of affected area
    - Pit is limited to 53.2 acres (segment 6) until DHEC approves more pit acreage
  - 215.6 acres of buffer
  - 158.1 acres of future pit reserves

- Proposed maximum depth:
  - 65 ft. below ground surface (21 ft. below sea level)
Mining Process

• Process includes:
  • Clearing, stripping, berm construction, dewatering, blasting, processing

• Dewatering Steps:
  • Top of rock determination, water well inventory, compliance monitoring wells, sinkhole monitoring

• Duration of proposed operation:
  • Approx. 20 years
Reclamation

• Mine site will be restored to lakes and grasslands

• All soil berms and affected area will be vegetated

• All equipment and scrap materials will be removed and areas restored to grasslands

• Final slopes will be 3:1 (horizontal to vertical)
### Mining Permitting Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>June 21, 2017</td>
<td>Application received</td>
</tr>
<tr>
<td>August 9, 2017</td>
<td>Public notice of application</td>
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<tr>
<td>Nov 30, 2017</td>
<td>Public Information Drop-in</td>
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<tr>
<td>June 20, 2018</td>
<td>Notice of Public Hearing and Draft Permit</td>
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<tr>
<td>July 26, 2018</td>
<td>Public Hearing</td>
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</tbody>
</table>
Draft Permit Conditions

• Wetland Buffers and Murray Swamp Crossing
• Water Well Inventory
• Perimeter Compliance Monitoring
• Sinkhole Monitoring and Contingency Plan
• Pit Water Flow Monitoring
• Domestic or Agricultural Water Supply Well Protocol
• Wildlife Monitoring Requirements
South Carolina Department of Health and Environmental Control

Draft Synthetic Minor Air Construction Permit
Project Overview

• Stone Processing Plant
  • Maximum Permitted Production Rate
    • 500 tons per hour
  • Process Equipment
    • Crushers
    • Screens
    • Conveyors

• Fugitive Dust Sources
  • Plant Haul Roads
  • Customer Roads
  • Storage Piles
Draft Air Construction Permit

• Primary pollutant is particulate matter
• Applicable State and Federal Regulations
• Compliance demonstration with air standards
• Minimization and control of fugitive dust
## Air Modeling Results

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Predicted Facility Concentration (µg/m³)</th>
<th>Background Concentration (µg/m³)</th>
<th>Total Concentration (µg/m³)</th>
<th>Ambient Air Quality Standard (µg/m³)</th>
<th>Meets Standard?</th>
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<tbody>
<tr>
<td>PM(_{10}) 24-hr</td>
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<td>PM(_{2.5}) 24-hr</td>
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<td>PM(_{2.5}) Annual</td>
<td>1.8</td>
<td>8.4</td>
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<td>12</td>
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</tbody>
</table>
Dust Control Methods Onsite

• Water sprays
• Water trucks
• Paving plant roads
• Fugitive dust control plan
Contact Information

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Comment Period

• Comment period ends at 5pm on August 10, 2018

• All comments considered and, if necessary, additional information requested from applicant

• Final permit decision will be sent to all interested parties with a summary response to comments