To avoid echoing or feedback, all lines are muted.

At the end of the presentation, we will unmute and call upon those who signed up to speak.

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EVERYONE 12+ IS NOW ELIGIBLE!

Everyone 12 and older in SC is now eligible for the COVID-19 vaccine!
Get your vaccine ASAP.

COVID-19 Vaccine Information Line
1-866-365-8110

www.scdhec.gov/vaxfacts
Effingham Pellets, LLC
Draft Air Quality Construction Permit
Florence County
PUBLIC HEARING
# Agenda

<table>
<thead>
<tr>
<th>Agenda Item</th>
<th>Presenter/Officer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome &amp; Opening Remarks</td>
<td>Monica Taylor Hearing Officer</td>
</tr>
<tr>
<td>DHEC Presentation on Draft Permit &amp; Air Permitting Process</td>
<td>Kristen Tucker Bureau of Air Quality Air Permitting Division</td>
</tr>
<tr>
<td>Public Comments</td>
<td></td>
</tr>
<tr>
<td>Closing Remarks</td>
<td>Monica Taylor Hearing Officer</td>
</tr>
<tr>
<td>Hearing Adjourned</td>
<td></td>
</tr>
</tbody>
</table>
South Carolina Department of Health and Environmental Control

Effingham Pellets, LLC

Draft Air Quality Construction Permit

Kristen Tucker
Bureau of Air Quality, Air Permitting Division
Permitting Process

• Application received and reviewed for technical completeness
• Determine type of permit required
• Draft permit
• Public Input
• Final Permit Decision
Proposed Project Overview

• Effingham Pellets, LLC
  • New wood pellet manufacturing facility
  • 45,625 ODT/year

• Location: 4905 Ingram Bypass
  Effingham, SC 29541
## Collocation Determination

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Reasoning</th>
<th>Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contiguous or Adjacent</td>
<td>Approx. 1 mile down the road</td>
<td>✔️</td>
</tr>
<tr>
<td>Properties</td>
<td>Land leased from Charles Ingram</td>
<td></td>
</tr>
<tr>
<td>Single Major Industrial</td>
<td>SIC Major Group: 24 – Lumber and Wood Products, Except Furniture</td>
<td>✔️</td>
</tr>
<tr>
<td>Grouping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Control</td>
<td>Charles Ingram 20% owner of Effingham Pellets. No clear majority ownership</td>
<td>✗</td>
</tr>
</tbody>
</table>

Not Collocated
Process Flow Diagram

Shavings Delivery → Shavings Storage Building → Hammermill w/ Baghouse → Pellet Mill and Cooler w/ Cyclone → Pellet Storage → Finished Pellets
PelletBox

- Containerized process unit
- Includes:
  - Dry Hammermill
    - Bag Filter for product capture
  - Pellet Mill and Pellet Cooler
    - Cyclone Separator for product capture
- Material transferred via enclosed conveyor systems
Air Quality Analysis

Standard No. 2 – Ambient Air Quality Standards

<table>
<thead>
<tr>
<th>Air Pollutant</th>
<th>Exemption Threshold (lb/hr)</th>
<th>Facility Wide Total (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>&lt;1.14</td>
<td>0.491</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>&lt;1.14</td>
<td>0.244</td>
</tr>
<tr>
<td>CO</td>
<td>&lt;10.0</td>
<td>0.0076</td>
</tr>
</tbody>
</table>
## Air Quality Analysis

### Standard No. 8 – Toxic Air Pollutants

<table>
<thead>
<tr>
<th>Air Pollutant</th>
<th>Emission Rate (lb/day)</th>
<th>Exemption/De Minimis Rate (lb/day)</th>
<th>Maximum Concentration (μg/m³)</th>
<th>Standard (μg/m³)</th>
<th>% of Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrolein</td>
<td>--</td>
<td>--</td>
<td>1.16</td>
<td>1.25</td>
<td>93</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>--</td>
<td>--</td>
<td>4.90</td>
<td>15.00</td>
<td>33</td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>5.100</td>
<td>21.600</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Methanol</td>
<td>1.990</td>
<td>15.720</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Propionaldehyde</td>
<td>3.374</td>
<td>+</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
Draft Air Construction Permit

Regulatory Requirements

• Applicable Regulations
  • SC Regulation 61-62.5, Standard No. 2 – Ambient Air Quality Standards
  • SC Regulation 61-62.5, Standard No. 4 – Emissions from Process Industries
  • SC Regulation 61-62.5, Standard No. 8 – Toxic Air Pollutants
  • SC Regulation 61-62.6 – Fugitive Dust

• Permit Requirements
  • Maintain records and submit reports
  • Periodic source testing for VOCs and HAP
  • Best Management Practices Plan (dust control)
  • Operation and Maintenance Plan
Next Steps

Comments will be accepted through 5:00 pm July 1, 2021.

Next, DHEC will:
• Review all comments received
• Provide written responses to all comments
• Make a final decision
• Final decision date begins 15-day appeal period
How to Comment

Submit comments by mail or email through 5:00 pm July 1, 2021 to:

BAQ Public Notice Coordinator
DHEC/BAQ
2600 Bull Street
Columbia, SC 29201

AirPNcomments@dhec.sc.gov

Application and draft permit can be found at:
www.scdhec.gov/Effingham-Pellets
CONTACT US

Kristen Tucker
Permit Writer, Sandhills Section
Bureau of Air Quality – Air Permitting Division

(803) 898-0968
tuckerkd@dhec.sc.gov
How to Participate

To indicate you would like to speak:

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