

Permitting a Large Multi-Feedstock Composting Facility

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Large Multi-Feedstock Composting Facility

- McGill Chatham Facility, NC



Composite image of McGill-Chatham facility

Major tasks

- The Site
- Zoning
- Permitting

The Site

There are two steps:

- Finding a general location with economic potential.
- Identifying the site specific details that will qualify or eliminate each option.

The General Location



Specific Site Details

- Access to 4-lane transportation arterials
- Access to waste sources - feedstocks
- Proximity to neighbors/sensitive receptors
- Public concern issues
- Topography
- County's comprehensive land use plan
- Environmental features
- Total usable acreages
- Price
- Previous land use.

The General Location



Site in Charles City County



Assistance from the State

- Virginia's Gateway Region
- Virginia Economic Development Partnership
- County officials
- VA Department of Business Assistance

The General Location



New location in Sussex County



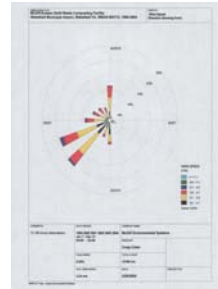
Logging road entrance



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Wind Data



Biofilter



Specific Site Details

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Site near Waverly in Sussex, VA



Site Near Waverly, VA



Zoning

- County staff
- Commissioners
- Board of Supervisors

Zoning

- Re-zoning
- CUP – Conditional Use Permit

Permit

Which state agency will you be dealing with?

- DEQ
- VDH
- VDOT
- Corp of Eng.
- VA Dept. of Conservation & Recreation

New air pollution sources

- (<http://www.deq.virginia.gov/air/regulations/airregs.htm>)
- "Potential to Emit". The maximum capacity to emit and is based on estimates prepared by the applicant.
- The source/applicant must then prove that the proposed air pollution control device (i.e. scrubber or biofilter) is "Best Available Control Technology" to reduce air pollution.
- If the source is located in an ozone non-attainment area (i.e. Richmond Metropolitan Statistical Area), there are additional requirements. The permit issued by the State will contain emissions limits for those pollutants regulated.

Permit Process

Part A, a site suitability evaluation.

Part B, a detailed engineering design document. These include:

- Engineering design drawings,
- A design report,
- An operational manual,
- An emergency contingency plan and a closure plan.