“Recycled, Green, Environmental Erosion Control Products”

Product Life Cycle and Sustainability
Background

- GeoHay was first introduced in 1999
- Manufacturing began at Mary Ann Industries in Villa Rica, Georgia
- Operations later moved to Crestview, Florida
- Manufacturing and Sales from Crestview were limited but successful
- Owner became very ill and had to sell.
- We purchased the assets in 2007
- Relocated Manufacturing to Spartanburg, SC
- Began aggressive expansion of State DOT Approvals
- Very aggressive Performance-Based Testing
- Enhanced Quality Control
GeoHay Products Are:

• Made from 100% recycled carpet fibers
• Made with pre-cut stake holes for easy installation
• Reusable and Recyclable
• Environmentally friendly
• Non-biodegradable, strong, and durable
• Patented
Products

- Bales, Filters, Wattles and Mats used for boundary control during construction.
- Storm water sewer protection.
- Gutter guards
- Subsurface water movement and control.
- Hydrocarbon spill absorption and spill control.
GeoBales

- Produced in the standard size of 45” or 90” length and 15” in diameter.
- Special lengths up to 20 ft are available via special order.
- The product of choice for Department of Transportation projects or where the drainage area could produce a high volume during intense rain
**GeoWattles/GeoDitch**

- Produced in 9” diameter rolls with lengths of 3-16 feet
- Can be made with bendable steel to shape to your contour needs
- Can also be used as Water Velocity Inhibitors, in either ditches or contour surfaces
9 Inch Inlet Filter
Easy Installation and Removal
Reusable, Leaves Area Clean
GeoFilters

- Produced in various lengths specified by the customer
- Permits double filtering of sediment and other debris, while still allowing the water to pass
- May be placed over a storm drain or grate to prevent debris from entering the storm water system
GeoDrain

• Contains a flexible or rigid perforated pipe to aid in field lines and sewage
### Flow Rates Comparisons

**GeoHay:**

<table>
<thead>
<tr>
<th>Size</th>
<th>Flow Rate (gpm/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 in. Bale</td>
<td>25.000</td>
</tr>
<tr>
<td>15 in. Bale</td>
<td>30.000</td>
</tr>
<tr>
<td>12 in. Bale</td>
<td>26.300</td>
</tr>
<tr>
<td>9 in. Inlet Filter</td>
<td>29.500</td>
</tr>
<tr>
<td>9 in. (High Density)</td>
<td>26.100</td>
</tr>
</tbody>
</table>

**Competitors Products:**

<table>
<thead>
<tr>
<th>Product</th>
<th>Flow Rate (gpm/ft²)</th>
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</thead>
<tbody>
<tr>
<td>Terra Tube</td>
<td>5.428</td>
</tr>
<tr>
<td>Excelsior Wattle</td>
<td>15.437</td>
</tr>
<tr>
<td>Straw Bales</td>
<td>10.505</td>
</tr>
<tr>
<td>Nonwoven Fabric Silt Fence</td>
<td>0.974</td>
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<tr>
<td>Wood Chip Wattle</td>
<td>12.252</td>
</tr>
</tbody>
</table>
Filtration & Turbidity Removal Comparisons

GeoHay vs Other Products

- Filter Efficiency %
- Turbidity Reduction %
Current State Department’s of Transportation Approved

Maryland & Virginia are approved under a private label.
Current Operations

Raw Carpet diverted from landfill

Carpet Fiber Processed & Baled

Fiber Supplier

Pad Processed

Pad Supplier

GeoHay Processed

GeoHay Mfg Co.

GeoHay
Final Product
Stored/Shipped
• www.geohay.com
• Tim Stillwell
• 770-719-2583
• tim@geohay.com