What is a FilterSoxx?

• A three dimensional filtration device that traps sediment and breaks down certain non-point pollutants

• A tubular mesh product which is filled with local STA certified compost or composted filter media

• The product has the capability to be a continuous length, or cut to fit the application

• Easy installation and removal = Low project $$$

Performance Tested With Many Uses
Filter Media

Tested for Particle Size & Contaminants

Growing Media

STA Certified - USCC
3-DIMENSIONAL FILTRATION
Higher Performance
Faster Flow Thru Rate
EnviroSoxx®
Filtrexx® Treatment Train™ for Targeted Invisible Pollutants

All Natural Additives

Post Construction Applications
Municipalities
Industrial Sites
Coastal Areas
Agriculture
AND MANY MORE!
EnviroSoxx®
Filtrexx® Treatment Train™ for Targeted Invisible Pollutants

All Natural Additives

Post Construction Applications

- Bacteria: 99%
- Hydrocarbons: 99%
- Nutrients: 92%
- Metals: 73%
Applications
USEPA Research Shows
99% Motor Oil Removal Over 25 Rain Events!

Bacteria Removal Efficiency

<table>
<thead>
<tr>
<th></th>
<th>E. coli</th>
<th>Total coliform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtrexx® FilterMedia™ + BactoLoxx®</td>
<td>73</td>
<td>99</td>
</tr>
</tbody>
</table>

Phosphorus Removal Efficiency

<table>
<thead>
<tr>
<th></th>
<th>Total P</th>
<th>Soluble P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtrexx® FilterMedia™ + NutriLoxx®</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nitrogen Removal Efficiency

<table>
<thead>
<tr>
<th></th>
<th>NH4-N</th>
<th>NO3-N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtrexx® FilterMedia™ + NutriLoxx®</td>
<td>15</td>
<td>22</td>
</tr>
</tbody>
</table>

USDA Research

<table>
<thead>
<tr>
<th>METALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cd</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>Removal Efficiency (soluble)</td>
</tr>
<tr>
<td>Removal Efficiency (particulate)</td>
</tr>
<tr>
<td>Removal Efficiency (total)</td>
</tr>
</tbody>
</table>
Nutrient Removal

Phosphorus & Nitrogen

Average P loss from Fertilized Soil
(first flush in storm runoff)

-99%

FilterSoxx alone average 30% soluble P, 65% total P removal
Bacteria Removal

**Average MPN/100 mL Water**

- **E. coli**
- **Total Coliform**

Sock+Additive | Sock | Bare Soil

MPN (X 10^8)

- E. coli
- Total Coliform

**Bacteria Removal Efficiency**

- E. coli
- Total coliform

Sock: 72%
Sock+Additive: 99%

**Bacteria (MPN) Exposure**

- **Total coliform** – 200 million/100 mL
- **E. coli** – 170 million/100 mL
- **Typical** – 50,000/100 mL
Petroleum Hydrocarbons

Runoff Concentrations = 1,410 mg/L (motor oil), 5,400 mg/L (diesel), and 74 mg/L (gasoline)

Runoff Loads = 20,820 mg (motor oil), 77,440 mg (diesel), and 1,070 mg (gasoline)

Average Diesel, Motor Oil, Gasoline Removal Efficiency

Filtrexx® Siltoxx™ + PetroLoxx™

- Diesel
- Motor Oil
- Gasoline

25 Rain Events – 98% Removal
StormExx

- Storm Water In
- Grate
- Stainless Steel Support System
- Overflow
- HDPE Housing
- Filter Cartridge (Filtrexx® EnviroSoxx® FilterMedia™+ Sorbents)
- Captured Sediment, Gravel, Trash and Debris
- Treated Water Out
- Existing Catch Basin
BioLoxx™
Natural Spill Absorbent

Absorbs Oil, Gas, & More
Use 75% Less Than Clay Based Products

100% Natural

Easy Disposal

Lightweight

Nonflammable
- BIOLOXX
- APPLICATIONS

- Oils
- Gasoline
- Antifreeze
- Diesel
- Paint
- Oils on top of water
- Many other liquids
BIOLOXX

- Silica Free
- 1 25lb bag absorbs more than twice what a 40 lb bag of clay base material.
- Does not create nuisance dust.
- 25lb bag can absorb up to 12 gal. of liquid.
- Renewable / Sustainable
OUR POSITIVE IMPACT ON THE ENVIRONMENT

- **845K tons** of organic waste diverted from landfills
- **163K tons** of sediment prevented from waterways
- **1.8M tons of CO2e prevented & sequestered from atmosphere**
- **375K cars** removed from highways/roadways

SUSTAINABLE & MADE IN THE USA

Numbers are for the year 2019
Questions?