

EnviroSoxx[®] & StormExx[®] Targeted Stormwater Solutions

- Above & below ground stormwater solutions for passive treatment train
- Uses natural materials to target pollutant loads in stormwater runoff




Treatment Train Advantages

- Easy to install, maintain, and replace
- Fits any existing storm drain system—round or rectangular
- Customized replacement programs available
- Ready to spec into your project's plans

Removal Rates¹

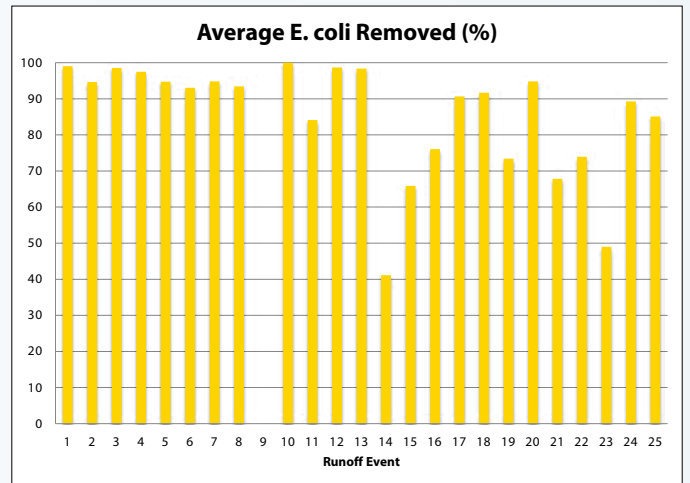
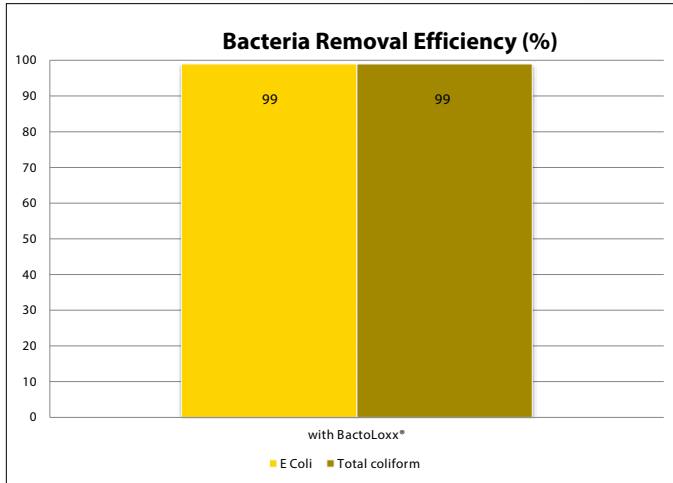
- Bacteria: Up to 99%
- Nutrients: Up to 92%
- Hydrocarbons: Up to 99%
- Metals: Up to 73%

 Mesh Identification for Multiple Additives

Filtrex Environmental Sustainability Benefits

Filtrex EnviroSoxx uses **locally recycled organic materials** inside of photodegradable or biodegradable mesh. Diverting these organic materials from landfills and applying them to the soil means a reduction in greenhouse gas emissions. **For every 1,000' of 8" EnviroSoxx used, 33,000 lbs of organic materials are diverted and your carbon footprint is reduced by 70,000 lbs CO₂e.** This is the equivalent of offsetting the greenhouse gas emissions of **7 passenger vehicles** driven for one year.²

BactoLoxx® Additive




BactoLoxx is used to reduce coliform bacteria loads in stormwater runoff, particularly around sensitive watersheds and receiving waters, near TMDL (303d) listed water bodies, pet parks, animal feeding operations, and urban watersheds where bacteria in runoff is an issue.

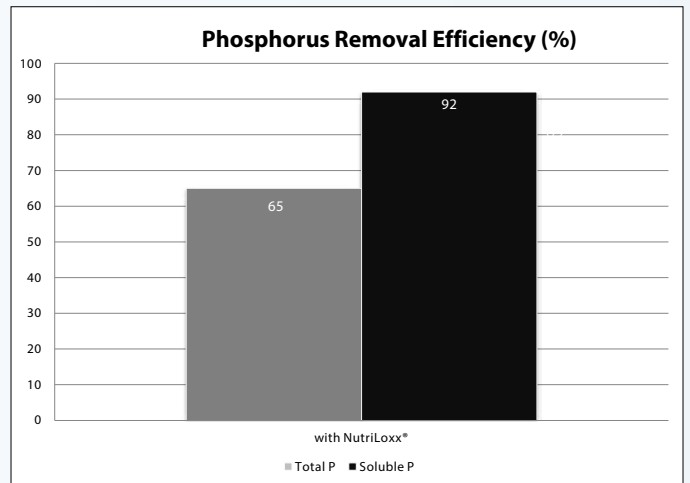
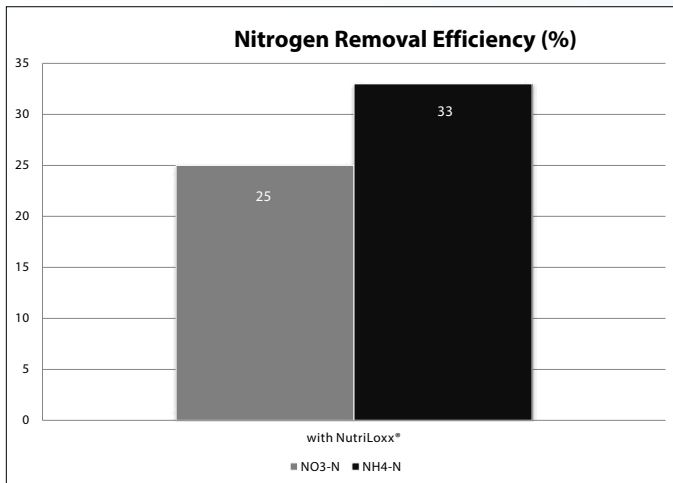
Coliform bacteria that BactoLoxx targets in runoff includes but is not limited to bacteria in the genera Escherichia, Klebsiella, Enterobacter, and Citrobacter, including E. coli and fecal coliforms.

Uses Include:

- Sewers & septics
- CAFO's
- Agriculture
- Pet parks
- Landfills
- Industrial sites

 Mesh Identification

NutriLoxx® Additive




NutriLoxx is used to reduce nitrogen and phosphorus loads in stormwater runoff, particularly on fertilized soils such as agricultural lands or golf courses.

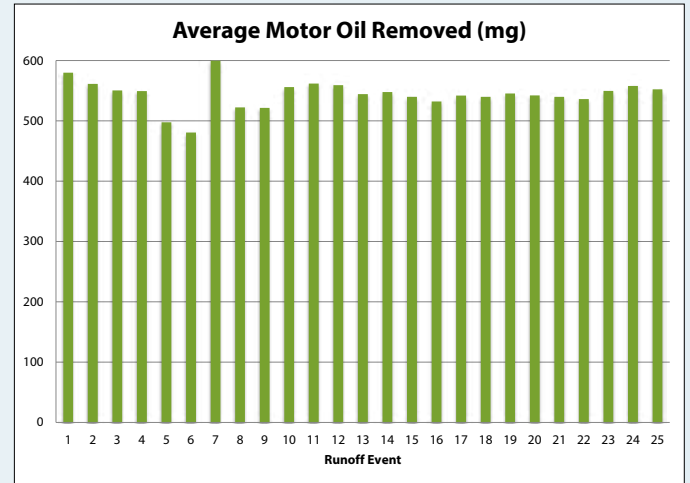
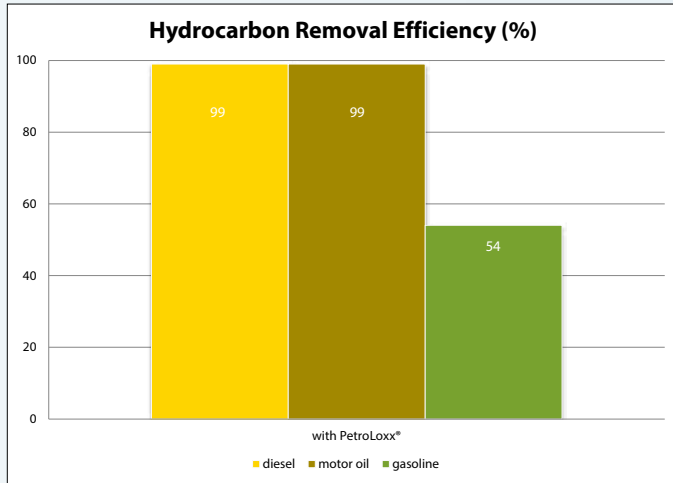
NutriLoxx additive is a natural material that chemically adsorbs soluble phosphorus and nitrogen (ammonium-N) in stormwater, thereby reducing transport to water bodies, reducing bioavailability to aquatic plants, and minimizing algae blooms, eutrophication, & low dissolved oxygen levels that can lead to fish kill & collapse of aquatic ecosystems.

Uses Include:


- CAFO's
- Golf courses
- Agriculture
- Pet parks
- Nurseries
- Compost facilities
- Bulk storage
- Wetland overflows

 Mesh Identification

PetroLoxx® Additive



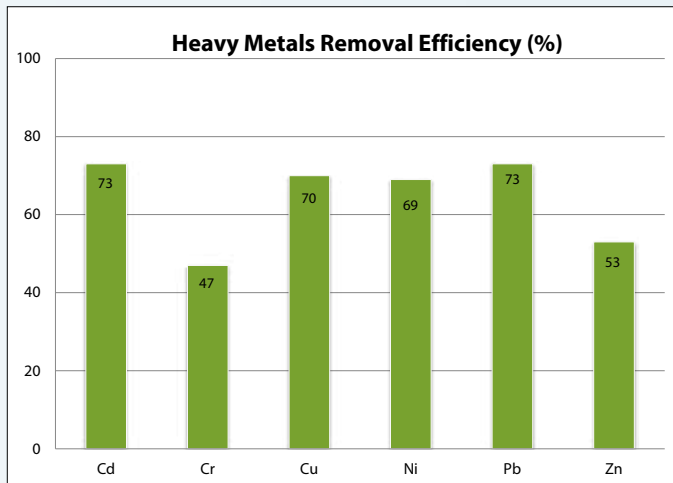
PetroLoxx is used to reduce petroleum hydrocarbon, or polycyclic aromatic hydrocarbon (oil/grease, diesel fuel, gasoline), loads in stormwater runoff, particularly in urban watersheds. PetroLoxx is not a coagulant and is made with 100% all natural materials.

 Mesh Identification

Uses Include:


- Industrial sites
- Recycling yards
- Parking lots/roadsides
- Fueling stations
- Vehicle wash stations
- Marinas & boat washes
- Drilling/fracking sites

MetalLoxx® Additive



	Removal Efficiency					
	Cd	Cr	Cu	Ni	Pb	Zn
Soluble	72%	29%	70%	69%	79%	57%
Particulates	77%	78%	45%	63%	61%	47%
Total	73%	47%	70%	69%	73%	53%

MetalLoxx additive is a natural ionic adsorbent that is used with Filtrex® stormwater pollution prevention practices, such as Sediment Control, Check Dams, Inlet Protection, Filtration Systems, and Rain Garden/Bioretention Systems. It is ideal for reducing metals loads (Cd, Cr, Cu, Ni, Pb, Zn) in urban and post construction stormwater runoff.

 Mesh Identification

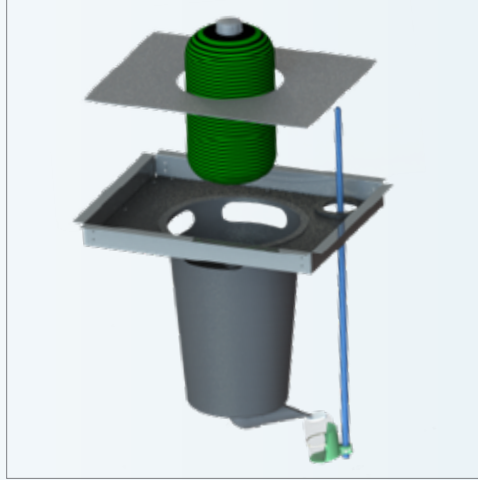
Uses Include:

- Recycling yards
- Landfills
- Rooftops
- Parking lots/roadsides
- Heavy industry
- Brownfields
- Marinas & boat washes

Above & Below Ground Stormwater Solutions



Use **EnviroSoxx**® for biofiltration systems, around inlets & outfalls, and wrapped around contaminated areas. EnviroSoxx can be used on pavement/asphalt without the need to stake or trench.



StormExx® **CLEAN** catch basin filter fits any existing storm drain, and features easy installation, maintenance, and replacement. Optional sample port; Trash Capture model available.

Overflow bypass: 500+ gpm*



DrainChexx® filter mats wrapped with **EnviroSoxx**® (with PetroLoxx) provides extra stormwater runoff treatment at an equipment repair garage located in Charlotte, NC.

EnviroSoxx Technology



Compost FilterMedia™ (left) has the ability to filter fine sediments, nitrogen and phosphorus species, petroleum hydrocarbons, harmful bacteria, heavy metals, pesticides, herbicides, and other pollutants, reducing their transport in runoff, and absorption by plants.

EnviroSoxx contain one or more all natural sorbents used to increase pollutant removal capacity, specifically designed for urban watersheds, sensitive receiving waters, industrial and municipal (MS4) stormwater permit compliance, and TMDL (§303d) listed water bodies. EnviroSoxx are 100% formulated with all natural materials.

†Research References

Faucette, B., F. Cardoso, W. Mulbry, P. Millner. 2013. Performance of compost filtration practice for green infrastructure stormwater applications. *Water Environment Research*. 85:9: 806-814.

Faucette, B., F. Cardoso-Gendreau, E. Codling, A. Sadeghi, Y. Pachepsky, D. Shelton. 2009. Storm water pollutant removal performance of compost filter socks. *Journal of Environmental Quality*. 38:1233-1239.

Faucette, L. B., K. A. Sefton, A. M. Sadeghi, R. A. Rowland. 2008. Sediment and phosphorus removal from simulated storm runoff with compost filter socks and silt fence. *Journal of Soil and Water Conservation*. 63:4:257-264.

Filtrex TechLinks #3325 and #3328.

SiltSoxx™ are in compliance with most state & federal agencies including:

