



# ADSORBIT

## Outperforming Every Single Alternative

Our products are made from recycled materials scientifically proven to trap and remove oil and suspended solids down to the micron. They are so effective that we've won The National and International Energy Globe Award, received a congratulatory letter from a member of Congress and the approval from the Washington State Department of Ecology.

So, when The United States Military and BP all needed world-class oil removal on a global stage, we are proud to say that they all chose ADSORBIT.



**Best-in-Class Performance**



**Allow for the Free Flow of Water**



**Built for Complex Configurations**



**Green**



**Reusable**

ADSORBIT's products are completely green at every step of the way. We start with recycled materials, making all of our products from textiles that would've otherwise been discarded. Then we repurpose those textiles into award-winning products that remove up to **twenty times** their weight in oils. And finally, our products are totally reusable.



# ADSORBIT

Stormwater  
**BIOCHAR**.COM

**STORMWATER  
TREATMENT**

## Filtration Fabric Physical Test Results

Permeability	ASTM D4491	0.72 cm/sec
Flow Rate	ASTM D4491	151gal/min/ft 2
Apparent Opening Size	ASTM D4751	100-150 mm

## Motor Oil / Diesel Fuel Adsorption from Water

Addition of 0.5 grams of ADSorb-it® sorbent material removes more than 96% of the oil / fuel mix. The Reactive Polymer requires 8 grams to achieve the same results. With the addition of 0.25 grams, the ADSorb-it® material reaches saturation, but removes more than 32 times its weight of the petroleum. The saturation point for the Reactive Polymer occurs at approximately 3.6 times its own weight in oil.

The ADSorb-it® sorbed the oil almost immediately on contact, while the Reactive Polymer sorbent required several minutes before its maximum saturation was reached. When small amounts of the granulated Reactive Polymer were added, removal of the saturated material was difficult because the material did not mat together. The ADSorb-it® sorbent was cohesive and easily removed from the water.

Parameter	Method #	Result Unfiltered	Result ADSorb-it® Filtered	Detection Limit	Units
Oil & Grease	EPA 1664	> 1000	6	5	ppm
Total Suspended Solids	EPA 160.2	230	10	5	ppm
#2 Diesel Fuel	NWTPHDX	910	3.4	.02	ppm
Motor Oil	NWTPHDX	15000	3	0.4	ppm
Arsenic	EPA 6020	ND*	ND*	0.006	ppm
Cadmium	EPA 6020	0.0018	ND*	0.0005	ppm
Chromium	EPA 6020	0.013	0.0044	0.001	ppm
Copper	EPA 6010	0.077	ND*	0.01	ppm
Lead	EPA 6010	0.011	ND*	0.01	ppm
Zinc	EPA 6010	2.1	0.85	0.01	ppm

The PAH removal efficiency of ADSorb-it® is in excess of 97%.

As can be seen in the tables above, ADSorb-it® sorbent was highly effective in removing organic pollutants and suspended solids from the sample. Especially notable is the reduction in oil and grease, diesel, and motor oil between the filtered and unfiltered samples.

Percent Removal of PAHs

