

The logo for AbTech Industries is centered within a white oval. The word "AbTech" is written in a large, bold, black sans-serif font. A bright green swoosh is positioned behind the letter 'b'. Below "AbTech", the word "INDUSTRIES" is written in a smaller, black, all-caps sans-serif font with wide letter spacing.

AbTech
I N D U S T R I E S

Innovative technologies to clean water

MAKERS OF
smart sponge[®]
PRODUCTS

Great Lakes Restoration Initiative Project: Bryant Park – Traverse City, MI

- Bryant Park is on the State's 303(d) list impaired for bacteria/pathogens
 - Routine monitoring began in 2001 and several improvement projects have been completed to improve the watershed
 - Recent investigations show existing contamination is related to storm events
- Bryant Park is one of the most popular beaches Traverse City, which hosts millions of tourists yearly
- Project goal: decrease bacteria contamination and remove Bryant Park from impaired waters list

Active Great Lakes Project



Smart Sponge[®] Plus

EPA Approved for Significant Reduction of Coliform Bacteria in Stormwater, Industrial Wastewater, and Municipal Wastewater

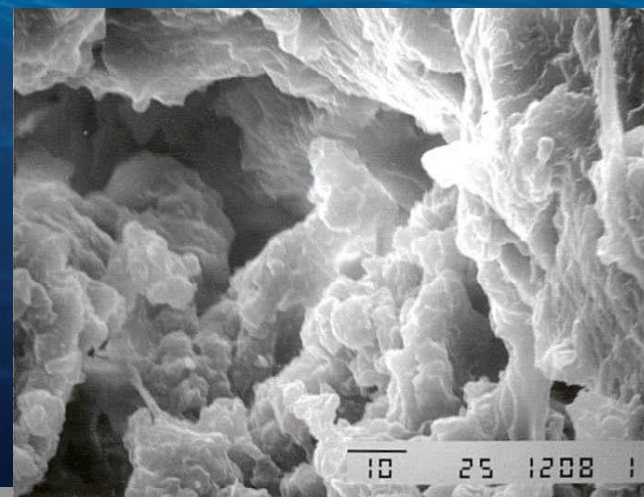
EPA Registration #86256-1

- Reduce Human Health Risk
- Reduce Beach Closures
- Protect Tourism Dollars

What is Smart Sponge®?

- An innovative polymer technology designed to filter, absorb, encapsulate, and solidify petroleum hydrocarbons (oils, fuels, etc.) and other contaminants on contact
- Smart Sponge **Plus** contains an antimicrobial agent, which is chemically bonded to the polymer, to treat for bacteria
- Smart Sponge media has a high porosity, which gives it a very large surface area, increasing performance over competing technologies

X 1000 Enlargement



Smart Sponge Solutions

- Standard and engineered solutions based on site parameters like
 - Quantity and type of inlets
 - Rainfall data or stormwater flow rates
 - Pollutant type and concentration
 - Water quality objectives
- Solutions can be installed at the inlet (catch basin insert) or at the point of discharge (underground treatment vault)



Ultra-Urban[®] Filter Customized with Smart Paks



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Precast Smart Pak Vault Municipal Stormwater

Long Island, NY

- A Long Island beach community has been instrumental in the initial field testing of AbTech end of pipe vaults. Three vaults were installed in 2006.
- After two years of field experience the municipal and county governments announced the expansion of the end of pipe vaults to 85 additional stormwater outfall pipes that drain into Long Island Sound.





Precast Smart Pak Vault Municipal Stormwater



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Large Vault Private Development Stormwater

Commercial Property, CA

- 88 Acre Food Processing and Distribution center on impaired waterway required comprehensive stormwater plan to receive construction permit.
- Treatment train of detention pond, hydrodynamic separator and AbTech Smart Sponge Vault provided best treatment option at roughly half the cost of alternatives such as UV.



Large Vault Municipal Stormwater

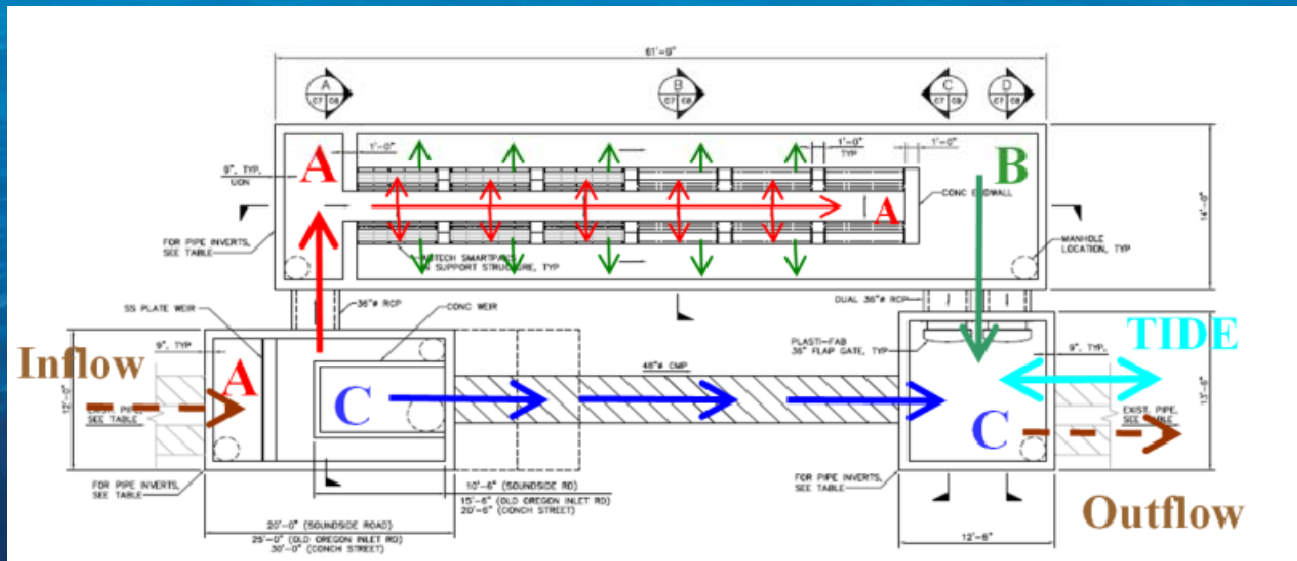
Mid Atlantic Beach Stormwater Discharge

- Collaboration of AbTech Industries, engineering design firm, State Department of Transportation (DOT) and Department of Environment and Natural Resources (DENR).
- Installation of 60 foot stormwater treatment vault to serve drainage basin of 53 acres.



Large Vault with Smart Paks

- Designed to treat 53 acres
- Water Quality Treatment Flow of 16 CFS
- Bypass to assure continuous water flow in heavy storm event



→ Flow to the Filter (A to B)

→ Flow over the Weir (A to C)

→ Flow from B to C

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