



NEWS RELEASE
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Phosphorus/nitrogen pollution costs Americans \$4.3 billion each year

Researchers at Kansas State University report that water pollution from phosphorus and nitrogen costs Americans \$4.3 billion annually. Phosphorus and nitrogen are often applied as fertilizers, and if not treated, can flow into and contaminate drinking and recreational waters during rainfalls.

Lead researcher Walter Dodds, a professor of biology, notes that the costs of bottled water and economic losses to tourism-based local economies are just two of the hidden costs of phosphorus pollution. Phosphorus pollution contributes significantly to the buildup of blue-green algae and other toxins in waterways.

Devaluation of waterfront property is another hidden cost, which can impact the tax base and services of an entire community. Municipal water plants are also forced to pay higher treatment costs for drinking water, a price which also "trickles down" to citizens – in their rising water bills.

The findings, which appear in a recent issue of the journal *Environmental Science and Technology*, examined US Environmental Protection Agency data on nitrogen and phosphorus levels in bodies of water across America. The researchers found that of the \$4.3 billion, \$44 million is also spent per year just protecting aquatic species from phosphorus/ nitrogen pollution.

SorbtiveMEDIA: A Complete Solution

Imbrium's SorbtiveMEDIA is the only product in its class that effectively prevents phosphorus from entering waters. In testing, it is shown to achieve +80% total phosphorus removal, with lower than 0.1 mg/liter effluent of total phosphorus.

Available as a stand-alone treatment device or as media for use in existing systems, Sorbtive is rapidly being adopted by municipalities and developers to capture high levels of dissolved phosphorous and sediment-associated pollutants from stormwater and agricultural runoff.

About Imbrium

Imbrium Systems (www.imbriumsystems.com) designs and develops stormwater treatment technologies to protect water resources from pollutants. Imbrium has a strong innovation track record in the stormwater treatment industry as the creator of both the Jellyfish fine sediment filter and SorbtiveMEDIA, with an unsurpassed 30,000 installations worldwide of its flagship product, Stormceptor.

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To read more about the Kansas State University study, please visit:

<http://pubs.acs.org/doi/abs/10.1021/es801217q>