

## MYCELX Snippets - Patented MYCELX Oil Removal Technology

### Key Benefits of MYCELX Snippets:

- > High capacity gross oil and solids removal from water
- > Permanent immobilization of the oil in the MYCELX media.
- > Does not build pressure drop even upon complete saturation with oil and solids i.e. it does not foul or clog
- > Offer robust gross oil and solids fouling protection to pleated/depth particle filters, MYCELX oil removal cartridges and backwashable media filters
- > Delivered as dry media – no chemicals or liquid
- > Deployed in storm water drain inserts and as final polishing oil removal systems when the oil removal requirement from water is greater than 40 ppm under heavy solids loading.
- > The media is delivered in mesh bags (3 mm mesh) or in Standard P2/P3 style bag filters for ease of handling and maintenance.
- > Hydrophobic spent oily cartridge holds less than 1 % water; therefore saturated cartridge has high BTU residual fuel value due to high oil content and very low water content.
- > Typical flow capacities of MYCELX Snippets media based systems: Can be scaled up to any flowrate.

### Operating Features of MYCELX Snippets media:

- > Mesh bags; P2/P3 Style filled bag filter
- > Operating pH range: 3 – 11
- > Maximum operating temperature: 140F
- > Minimum operating pressure required: 1 psi
- > Particle pre-filtration not necessary



### Operational Characteristics of MYCELX Snippet Media Based Units:

	MYCELX Snippets based units
Mechanism of oil removal	Instant, permanent and complete oil removal upon contact. True and Broad phase affinity. No desorption. Required contact time for oil removal: < 1 sec
Robustness to handle varying oil loading	Effectively handles high to low oil loading even in the presence of high solids
Oil removal capacity to greater than 90% removal to 40 microns oil droplet sizes	3-5 lbs/lb of MYCELX media
Ability to handle mixed oily water streams	Yes. Instant and permanent removal
Oil Removal effectiveness	>90% oil removal efficiency to 40 microns oil droplet sizes
Fouling tendency with heavy oil and solids loading	No. Continually extracts oil and solids from H2O