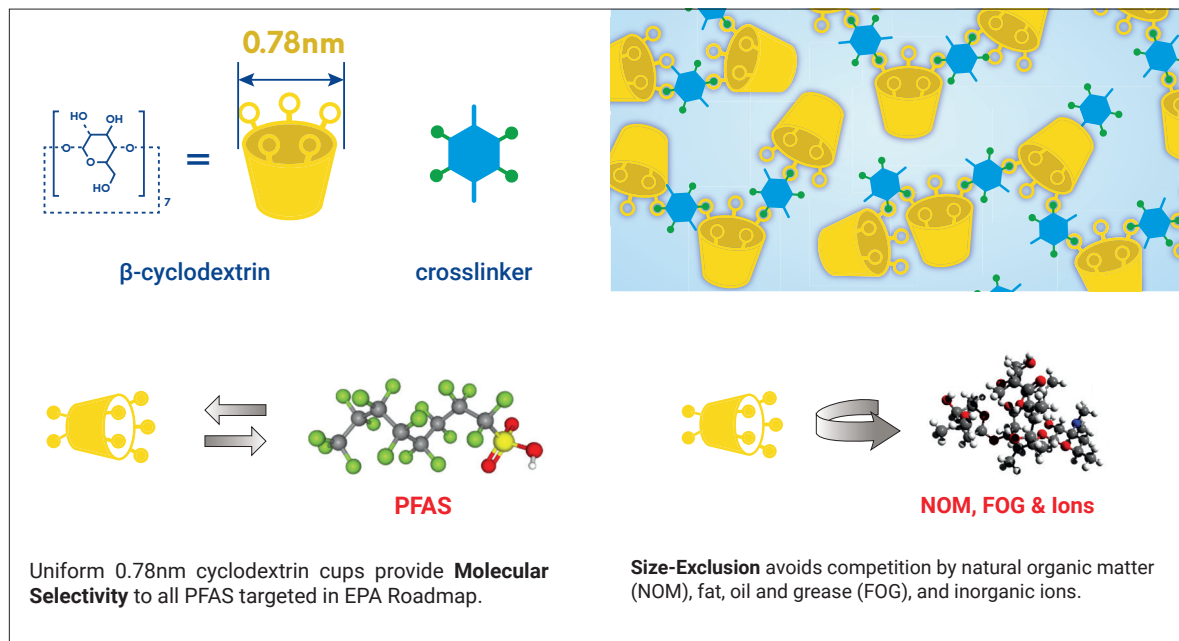


PFAS Adsorption For Every Water Source

DEXSORB® is a novel adsorbent made with renewable cyclodextrins and designed for use in engineered applications to remove PFAS (per- and polyfluoroalkyl substances). DEXSORB's uniform 0.78-nm hydrophobic cavities provide molecular selectivity for PFAS. Size exclusion to natural organic matters (NOM), inorganic ions and other matrix effects enable DEXSORB to perform with equal effectiveness in diverse water systems, such as drinking water, groundwater and surface water, wastewater, RO concentrate, and landfill leachate.

DEXSORB	Drinking Water	Non-Drinking Water
	Surface Water Groundwater Well	Groundwater Remediation Wastewater Leachate



Product Support Contact
 contact@cyclopure.com
 (312) 639-5009

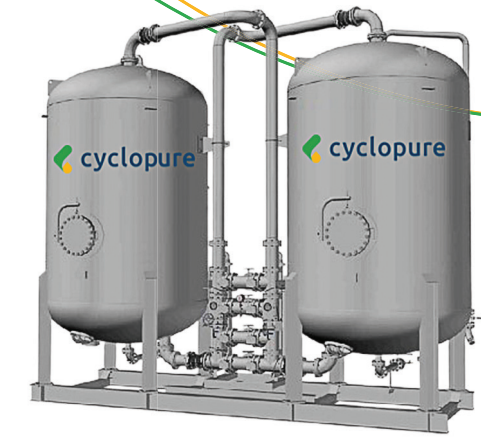
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Aug 2024



DEXSORB® Engineered Systems

We engineered DEXSORB® to intercept PFAS at every point of contamination to keep them away!



Single-Step, Cost-Effective PFAS Treatment

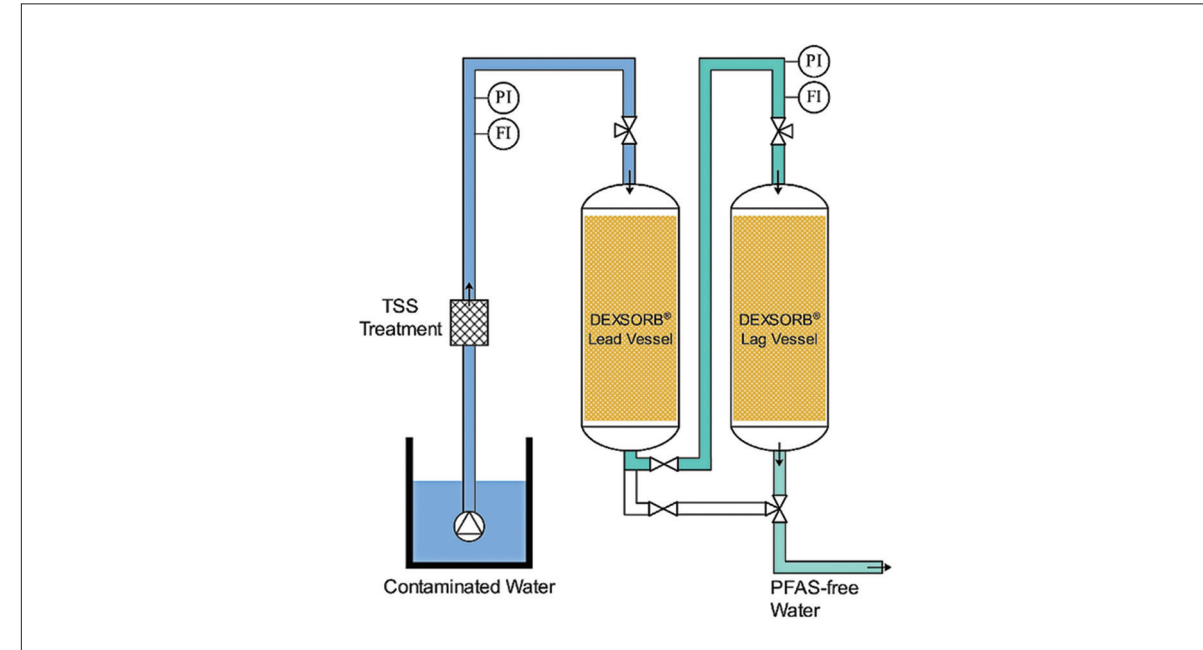
DEXSORB provides a simple one-step filtration process for effective PFAS treatment in any type of water environments. DEXSORB granules feature high uniformity coefficient, spherical shape, and hydrophilic macro surface, ensuring smooth operating hydraulics and low pressure drop. The media is vendor-agnostic, universally compatible with any types of packed-bed filters like pressurized vessels and gravity filtration tanks.

Single-Step DEXSORB® System

- NSF/ANSI 61 certification for drinking water processing.
- Simple pretreatment, requiring only suspended solids management.
- Single, scalable filtration process for low to high MGD flow rates.
- Easy backwash to eliminate bed heterogeneity with low water consumption.
- No matrix impacts by TOC, TDS, FOG, hardness, inorganic ions, iron and manganese.
- No microbial activities like biofouling, biofilm development, and biodegradation.

Cost-Effective PFAS Treatment

- Low CapEx: Small system footprint with short EBCT and low media volume.
- Low Operation & Maintenance: high water throughput and long operating life leading to low frequency of media changeout.
- Low Waste Disposal Cost: sustainable spent media regeneration and efficient PFAS waste handling.



Validated Performance from Field Installations

DEXSORB has been validated as an effective PFAS treatment process through both pilot- and full-scale installations in the field. Compared to conventional adsorbents like bituminous GAC, DEXSORB has demonstrated 10x treatment capacity in drinking water, 15 to 20x treatment capacity in AFFF-impacted groundwater and stormwater, and 25x treatment capacity in industrial wastewater. DEXSORB has been validated as highly effective for PFAS treatment in raw landfill leachate – the most complex water environment.



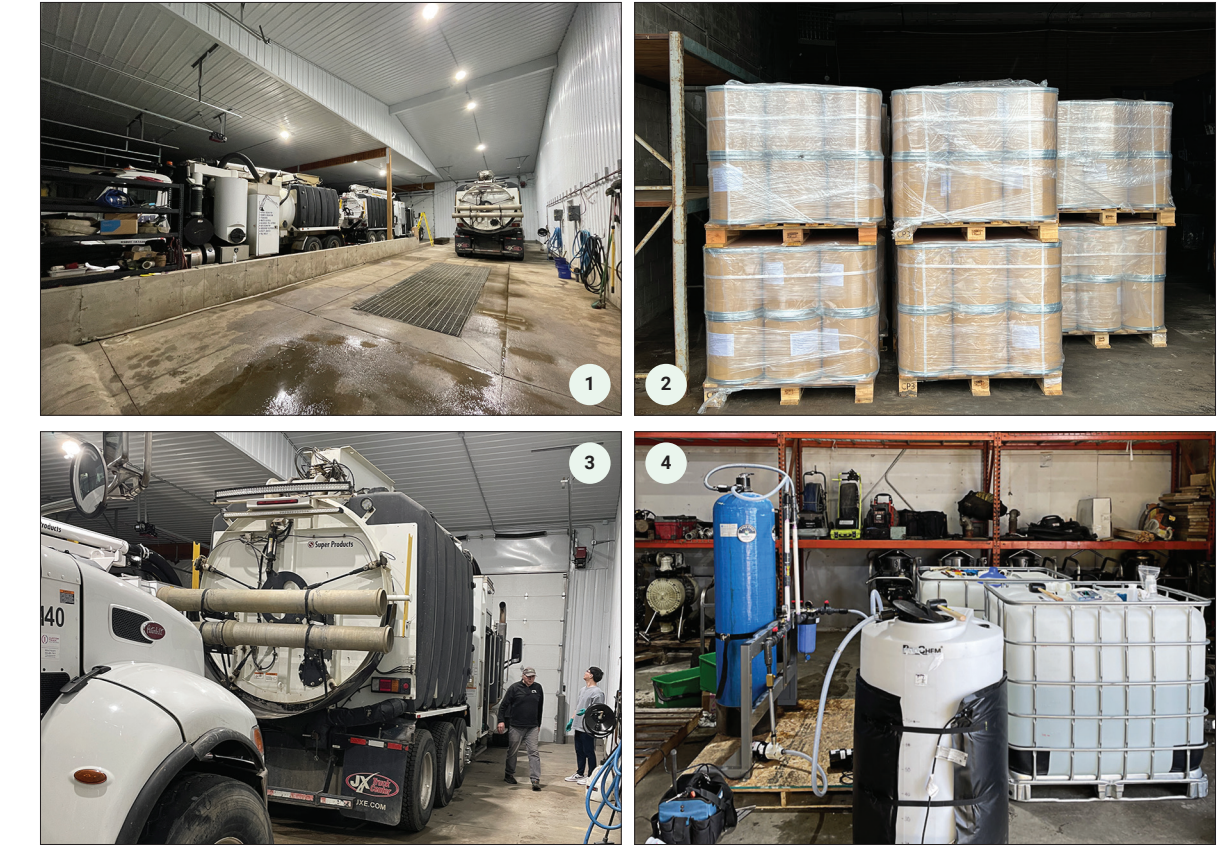
1	AFFF-impacted Groundwater Remediation - Pennsylvania
3	Drinking Water Treatment - Alaska

2	PFAS Contaminated Stormwater Treatment - Pennsylvania
4	Industrial Wastewater - Michigan

Sustainable Media Handling and Safe Waste Disposal

DEXSORB offers a sustainable solution, as the media can be regenerated for several cycles of reuse. Regeneration is accomplished in a solution-based desorption process that is performed under ambient conditions to separate PFAS waste and fully restores DEXSORB media capacity. Through the regeneration process, PFAS are isolated and further processed into a concentrated waste stream for efficient handling and disposal by existing destruction technologies. This avoids disposal complications encountered by single-use media and prevents captured PFAS from recontaminating the environment.

Cyclopure Full-Service Operation in Indiana



1	Vacuum Trucks
3	Vacuum Trucks

2	DEXSORB Inventory
4	Pilot Regeneration System