SPOTLIGHT

NEW PRODUCT FLUORO-SORB® ADSORBENT REPRESENTS EFFECTIVE SOLUTION FOR PFAS WATER TREATMENT AND REMEDIATION

BACKGROUND

Access to clean drinking water is a global concern – one that has gained increasing public scrutiny in the U.S. over the past several years. Attention has now turned to PFAS (per-and polyfluoroalkyl substances), which are rather ubiquitous man-made chemicals that have been integrated into dozens of industrial and consumer products over the past 60 years, compromising drinking sources in hundreds of locations across the U.S. This group of chemicals, used in firefighting foams and materials such as Teflon, are known for both their danger to human health and for their complete inability to break down in nature which allows these compounds to enter the water supply and food chain.

The U.S. Environmental Protection Agency (EPA) has established PFAS screening values of 40 parts per trillion (ppt) and some states have set more rigorous Maximum Concentration Limits. The Centers for Disease Control (CDC) recommends that "if your drinking water is contaminated above levels specified by the EPA or your state government, use an alternate water source for drinking, preparing food, cooking, brushing teeth, and any other activity when you might swallow water."

HOW WE ARE PROVIDING VALUE

To address this important environmental need and in advance of new standards for PFAS remediation, MTI has developed and commercialized FLUORO-SORB® adsorbent, a proprietary, NSF/ANSI-certified product that effectively treats and remediates the entire spectrum of PFAS. Not only can FLUORO-SORB® adsorbent be used to treat both surface water, drinking water and ground water sources, it can also be used to treat the soil in source zones, preventing PFAS contamination from spreading. Because of its higher adsorption properties and higher density, FLUORO-SORB® adsorbent requires fewer change outs than granular activated carbon (GAC), resulting in a substantially reduced total cost of ownership. This product was created by leveraging our technical capabilities and expertise in environmental solutions – the search for a more predictable and robust technology has been a major focus over the last several years. We have been collaborating extensively with all relevant regulatory authorities to solve this important health problem.

Whether it's a public utility tasked at securing its water supply or a resident with a private well trying to fortify a point-of-entry system, FLUORO-SORB® adsorbent represents a proven and cost-effective solution for wastewater cleanup. Access to clean drinking water is a fundamental concern that impacts all of us, and through FLUORO-SORB® adsorbent, we're committed to facilitating that universal need.

We have seen strong demand for our product across a variety of project types, including municipalities and navy/army bases.

"THE RESULTS WE SEE NOW SHOW VERY HIGH POTENTIAL FOR EFFECTIVE WAYS FOR FLUORO-SORB® TO BE USED. DIFFERENT SITUATIONS REQUIRE DIFFERENT TREATMENTS AND ADDING IN FLUORO-SORB® GIVES PARTIES CHARGED WITH PFAS REMEDIATION ANOTHER EXCELLENT PRODUCT TO RELY ON."

- CHADI EL MOHTAR, A GEOTECHNICAL ENGINEERING PROFESSOR AT THE UNIVERSITY OF TEXAS