Publication

PFAS destruction by ultraviolet/sulfite treatment

Haley & Aldrich's John Xiong, Ph.D., P.E.; Yida Fang, Ph.D., P.E.; and Raul Tenorio, Ph.D.; have coauthored a peer-reviewed Enviro Wiki article, "PFAS Destruction by Ultraviolet/Sulfite Treatment," which discusses the EradiFluor system they developed. This article aims to help those at industrial and manufacturing firms and government entities such as military bases, airports, and water treatment plants understand how EradiFluor can meet their needs for the destruction of a group of chemicals known as PFAS, which stands for per- and polyfluoroalkyl substances.

In the article, the authors describe how EradiFluor operates and outline the advantages of the system compared to other technologies, including high treatment efficiency for short-chain PFAS and low energy consumption. They also discuss EradiFluor field tests at a Navy site on the East Coast and an Air Force base in California.

John, Yida, and Raul coauthored the article with Isobel Li of Emory University and Jinyong Liu of the University of California, Riverside. Enviro Wiki is a Wikipedia-style website funded by the U.S. Department of Defense's Environmental Security Technology Certification Program — which also funded the research that developed EradiFluor — and serves as a forum for experts in soil and groundwater contamination and remediation.

Read the full article on Enviro Wiki.

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