

Innovative Environmental Solutions in Our New World

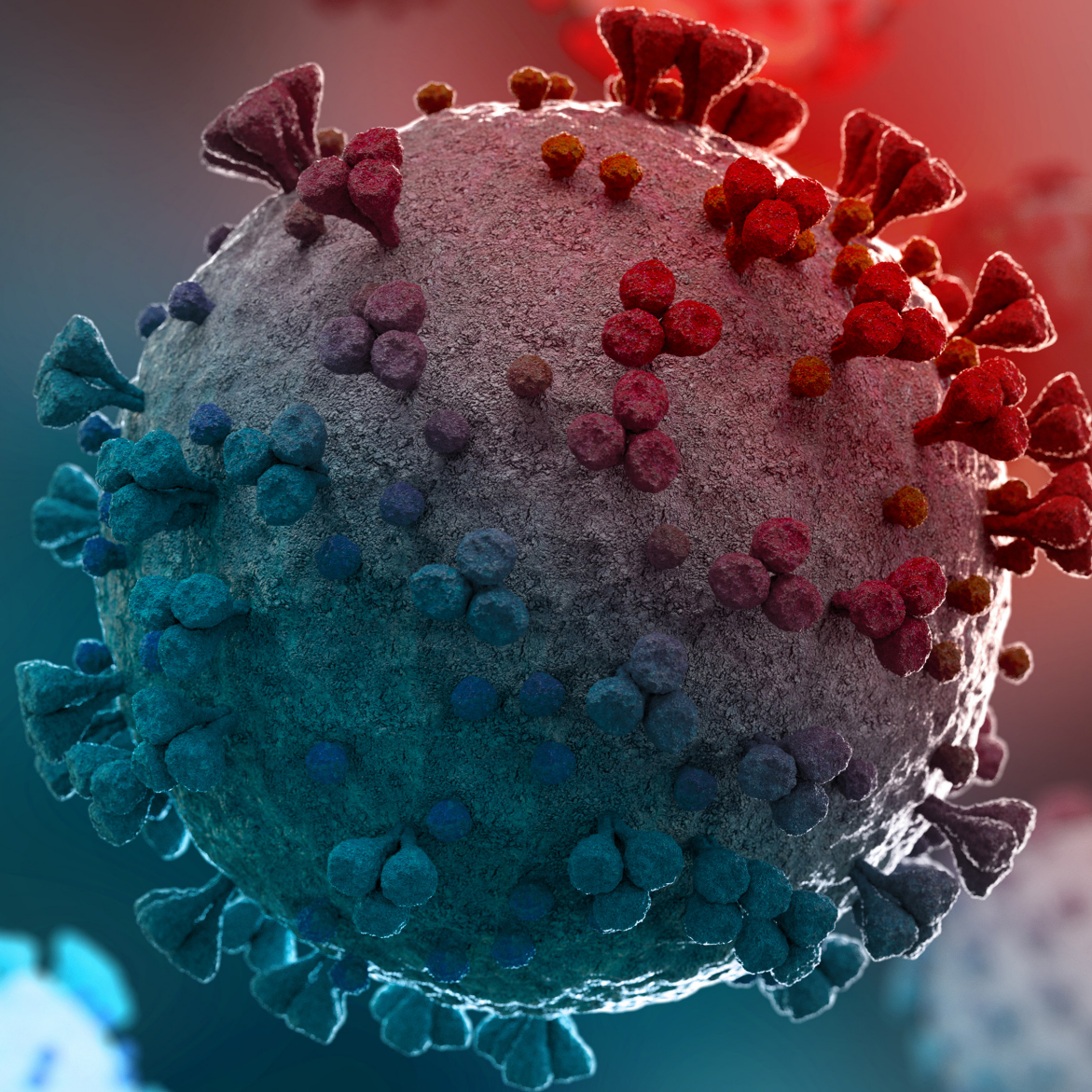
AN AECOM ENVIRONMENTAL WEBINAR SERIES
APRIL WEBINARS



Thursday, April 14th, 2022 • 1:00 p.m. ET

Mitigating Disease Spread in the Workplace: Lessons from the COVID-19 Pandemic

Even before COVID-19, infectious diseases led to millions of worker absences every year. This webinar will discuss disease-causing microbes and the best practices to mitigate their spread as we move into our new normal in a world with endemic COVID. Many workplaces are ending their remote working and requiring workers to return to in-office work. It is important to implement infectious disease policies and procedures to protect workers and include those policies in return-to-work plans.



OUR SPEAKER: Crystal Brillhart, PhD



CRYSTAL BRILLHART, PhD. Dr. Crystal Brillhart is a microbiologist with over 15 years of experience working in microbiology labs in academia, state and federal government, and in private industry. She has worked in clinical labs with human and animal pathogens and taught microbiology labs at the university level.

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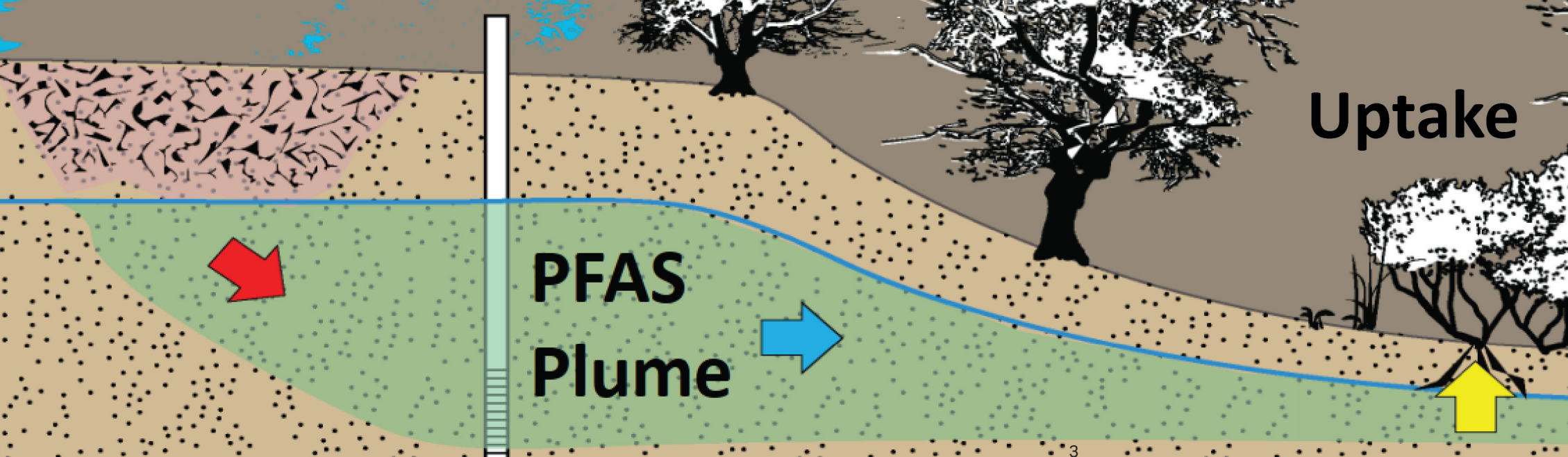
Tuesday, April 26th, 2022 • 10:00 a.m. ET

Are Nature-Based Solutions Possible for PFAS?

Nature-based Solutions (NbS) represent both management systems and actions geared to protect, sustainably manage, and improve natural and enhanced ecosystems, while providing for improvements in biodiversity and the human condition. The basic tenant of NbS advances nature as a solution to many of humankind's problems. Nature-based remediation focuses on identifying and enhancing existing systems, including biological systems, to help foster contaminant degradation. Per- and Polyfluoroalkyl Substances (PFAS) are problematic chemicals due to their recalcitrance and persistence in nature, combined with very low parts-per-trillion level toxicological

thresholds for many of the compounds. Transference of PFAS into vegetation and other biota is well-documented. Recent bench-scale level studies have suggested that microbe-induced degradation of PFAS is possible. This presentation will provide an overview of current research on biologically-mediated PFAS remediation, including phytoremediation, mycoremediation, and 'omics studies. Other novel applications will be discussed. This presentation will be technical, with advanced concepts on PFAS-plant interactions; only a brief overview will be provided on PFAS chemistry and behavior.

PFAS Source



OUR SPEAKER: Barry J. Harding, CPG



BARRY J. HARDING, CPG. Mr. Harding has provided technical consultation to private sector, government, municipal, non-profit and academic clients and colleagues for over 30 years. He has consulted on over 500 sites of environmental contamination on every continent except Antarctica. He is one of AECOM's technical directors in the field of Nature Based Solutions, and a practice leader in the discipline of phytoremediation. Mr. Harding is educated as a biologist and geologist, with graduate focus in the discipline of exploration geobotany and plant uptake studies (using plants as pathfinders for mineral resources). Barry's collaborative and unbiased, objective nature is exemplified by over 50 conference proceedings, two session chairs at the Battelle Bioremediation Conference, and several white papers promoting good science.

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