

INNOVATIVE ENVIRONMENTAL SOLUTIONS IN OUR NEW WORLD

AN AECOM ENVIRONMENTAL WEBINAR SERIES

MAY WEBINARS



Wednesday, May 12, 2021 (1:00 PM EDT)

Project Planning Tools for Streamlined Environmental and Social (Equity) Impact Analysis & Engagement

OUR SPEAKERS:

MATTHEW HARRIS, AVINASH SRIVASTAVA & ANDY THOMAS



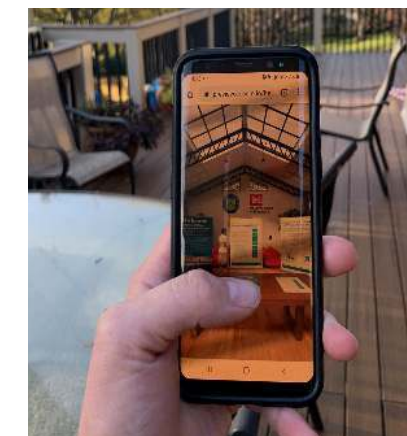
MATTHEW HARRIS. Matthew is AECOM's Digital and Innovation Lead for Environment in the Americas and the Data Science Center of Excellence Lead for the Americas. He has been with AECOM for ten years and delivers quantitative solutions that address wide-ranging client needs in the transportation, water, oil and gas and environment markets. Matt's experience includes working for the Pennsylvania Department of Transportation in environmental compliance.

AVINASH SRIVASTAVA. Avinash is a Principal Planner and Director of Urban Analytics at AECOM. Over the past 22 years, Avinash has been involved in innovation with the intersection of technology, strategic planning, and design with a holistic, data-driven approach. He has worked on projects

around the world, which involve: large scale master planning and urban design; smart city strategy; energy and infrastructure planning with a focus on resiliency; and decision support modeling and analytics for public, private sector and military clients.

ANDY THOMAS. Andy is AECOM's Regional Director and Head of Visualisation & VR for Europe, Middle East and Africa. He has 20 years of experience leading teams to deliver high-end visualisation across markets, including for large, complex infrastructure projects. He has expert knowledge of the VR industry, is a digital solutions innovator, and develops all aspects of AECOM's visualisation and immersive technology practice processes using latest advances and trends.

AECOM's Environmental Engagement (EE) platform provides fully customized and interactive digital environmental and social impact assessment and compliance reporting capabilities. The tool's adaptability makes it an innovative solution to streamline the environmental review process, saving time and money, while presenting data in a more user-friendly manner for all stakeholders. Designed for hosting project data, the platform synchronizes interactive maps with technical assessments and is more engaging than traditional static environmental reports. The platform works seamlessly with AECOM's virtual stakeholder engagement room where stakeholders can comment, ask questions, and engage in project development and decision-making. As a cloud-based platform centralizing GIS maps, technical data, and reporting, EE allows project delivery within a single platform where project teams and clients collaborate. Integration of AECOM's innovative digital equity impact analytical tools further strengthens the platform and enables projects to optimize their triple bottom line. This webinar presents an overview of these technologies.



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Wednesday, May 19, 2021 (1:00 PM EDT)

Wastewater Monitoring for Early Detection of COVID-19 Infected Populations

OUR SPEAKER

MICHAEL "MICK" EDGAR



Mick Edgar has over 40 years of environmental lab, field and consulting experience. He has been active in COVID-19 response, disinfection and pandemic management including the NBA "Bubble", commercial real estate reopening planning, FAA facility disinfection and SARS CoV-2 wastewater monitoring nationally since February 2020.

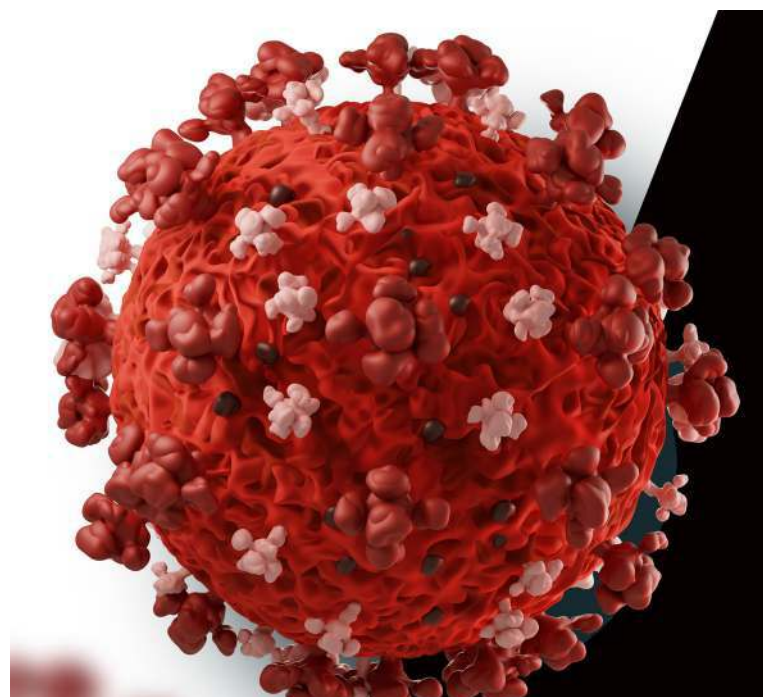
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The detection of COVID-19 infected individuals in populations is critical to manage the pandemic. Although vaccination reduces the health effects of the virus, it does not eliminate the infection completely. The emergence of genetic variants also increases the threat to public health and economic recovery. Infected individuals shed the virus in feces up to 10 days prior to exhibiting symptoms. Automated composite wastewater sampling and RT qPCR genetic laboratory testing detects the presence of virus on a "pooled" basis, examining an entire group of individuals, which is minimally invasive,

very accurate and cost-effective. This webinar discusses various sampling strategies, test procedures and data visualization techniques employed in municipal wastewater plants, correctional institutions, office complexes and manufacturing plants across the US.

During this webinar, attendees will learn about various sampling and testing methods to detect the SARS CoV-2 virus in wastewater, including lessons learned. Data reporting including trend analysis and the use of GIS mapping of sewer sheds for data visualization will be discussed.



Thursday, May 20, 2021 (12:00 PM EDT)

KEEPING UP WITH COAL ASH:

No Longer in the Dark - Using Business Intelligence to Inform and Shape Strategy in a Dynamic World

OUR SPEAKERS:

JOHN PRIEBE, PE & MARK ROKOFF, PE



JOHN PRIEBE, PE. Mr. Priebe has more than 30 years of experience in civil/environmental engineering and consulting. His responsibilities have included industrial/power site development, civil design, permitting, site assessment, closure and remediation. Over the last 12 years, Mr. Priebe has focused on CCR management and served in strategic and leadership roles on various CCR projects and programs. He is currently serving as Co-Lead of AECOM's CCR Management Practice.

MARK ROKOFF, PE. Mr. Rokoff serves as the director for power services for the environmental business line in the Americas as well as the national practice lead for coal ash management projects. He has developed expertise in the design and application of CCP solutions including regulatory compliance in an evolving industry, innovative approaches and answers to site and design challenges, complementary services in water and groundwater management and conveyance systems, and overall expertise in the development/operation of disposal and beneficial use facilities. More recently, and in conjunction with the coal ash rule changes, Mr. Rokoff has conducted regulatory review and evaluation of best practices and strategic planning for potential regulatory changes to operations and management. He is a common speaker on this subject and a recognized expert in this field.

Having data is not enough...knowing what to do with it elevates your game. With a specific focus on the information defining the CCR market, the presentation discusses how to weave data management, industry knowledge and technical expertise together to ultimately build business strategies and specific market intelligence. Both will elevate your approach and strategy by adding value through a carefully created method. Market intelligence builds a foundation for your message to resonate while developing business strategy leads to a focused and effective plan crafted through the use of data. Join the presentation to understand how to use data to shape the planning process and create the messages to support your business to regulators, internal stake holders, public, and others.

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Wednesday, May 26, 2021 (1:00 PM EDT)

Process Safety Management (PSM): Implementing a Flexible Pre-Startup Safety Review

OUR SPEAKER

**GAYLE NICOLL, PHD, REP,
ASP, CSP**



Dr. Nicoll has extensive experience in a variety of environmental, health and safety (EHS) endeavors including industrial facilities, nuclear research facilities, chemical laboratories and machine shops. While at AECOM, Dr. Nicoll has conducted PHAs, lead PSM/RMP compliance audits, designed PSM programs, trained facility personnel including line personnel and facility managers on PSM and mechanical integrity, designed MoC programs, and conducted colocation hazard analyses. Dr. Nicoll is AECOM's Process Safety Services leader for the Americas and designed AECOM's in-house auditing and PHA tools.

Please join us for a presentation on a customized, flexible Excel-based Pre-Startup Safety Review developed by Gayle Nicoll, PhD, REP, ASP, CSP for one of our global chemical manufacturers. The Excel tool uses a series of user-friendly, easy-to-answer questions to identify what critical items need to be addressed as part of the safety review, instead of a long, cumbersome and obtuse checklist. The presentation outlines the over-arching approach taken, as well as the net result, which has been improved over the last year into a tool that has helped change the culture of safety and implement a robust Management of Change program.

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About AECOM

AECOM is the world's premier infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. We partner with our clients in the public and private sectors to solve their most complex challenges and build legacies for generations to come. On projects spanning transportation, buildings, water, governments, energy and the environment, our teams are driven by a common purpose to deliver a better world. AECOM is a Fortune 500 firm and its Professional Services business had revenue of approximately \$13.2 billion in fiscal year 2020.

See how we deliver what others can only imagine at aecom.com and [@AECOM](https://www.instagram.com/aecom).



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