

INNOVATIVE ENVIRONMENTAL SOLUTIONS IN OUR NEW WORLD

AN AECOM ENVIRONMENTAL WEBINAR SERIES
JUNE WEBINARS

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Tuesday, June 15, 2021, (1:00-2:00 PM EDT)
Nuclear Power and the Green Economy

OUR SPEAKER:
KEVIN TAYLOR, CHP



KEVIN TAYLOR, CHP. Kevin works on IAP projects focused on nuclear industry siting and licensing and has been AECOM's lead nuclear/radiological subject matter expert since joining the firm more than 12 years ago. His experience also includes planning and assessing impacts from decommissioning nuclear research reactors, small nuclear power reactors, and nuclear-powered vessels. Kevin also manages the AECOM's U.S. Radiological Services Group, which is based in South Carolina.

AECOM's IAP business line has been supporting nuclear power initiatives for more than 15 years. Our recent and current efforts include preparing environmental assessment documents for the second relicensing of existing nuclear power plants, extending the operating license to 80 years, as well as several works involving nuclear reactors that are designed to test new materials, advanced reactor technology, and new nuclear fuels. In this presentation, we'll discuss the scope of our current projects and our combined experience associated with the advancement of nuclear power and nuclear waste management in the U.S. and Canada.



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Thursday, June 17, 2021 (12:30-1:30 PM EDT)
Planning and Modeling Tools for an Electrified Future

OUR SPEAKERS:
DR. DANA AL-QADI, WILLIAM S. HAAS, STEVEN HALL



DR. DANA AL-QADI. Dr. Al-Qadi's expertise and work focuses on advancing infrastructure and communities through technology and innovation. A registered professional civil engineer, she manages projects on transportation electrification planning, smart city technology, resilience and decarbonization. She is currently leading the development of AECOM's transportation electrification modeling capabilities.

WILLIAM S. HAAS. Mr. Haas has over 15 years of experience in energy, policy, business development and management. Bill has led some of the country's largest electrification, energy efficiency, and renewable energy projects and directly managed more than \$500 million in energy incentive funds for utility, state and local government clients. His specialties include policy analysis and regulatory development, transportation electrification, climate and sustainability strategies, and large-scale program deployment and management.

STEVEN HALL. Mr. Hall is a project manager in the AECOM Energy Business Line with a focus on transportation electrification. A registered professional electrical engineer, Steven's background encompasses all aspects of project delivery, from planning and strategy development, design development and utility coordination, through project construction. Steven has worked with many types of charging infrastructure technologies, including wireless inductive charging systems, and is an industry advocate for the development of new charging systems, including dynamic wireless power transfer.



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Thursday, June 24, 2021 (12:00-1:00 PM EDT)

KEEPING UP WITH COAL ASH: Pivot to Groundwater: Positioning for GW Remediation from Site Conceptual Models to Corrective Actions

OUR SPEAKERS:

DOUG GRAY, CGWP

DENNIS P. CONNAIR, CPG, PG



DOUG GRAY, CGWP. Mr. Gray is a Principal Project Manager and Innovative Remedial Technology Lead and has over 35 years of experience focusing on the development, design, costing, and optimization of state-of-the-art, innovative remedial alternatives, site assessments, remedial alternative evaluations, investigations, and feasibility studies. Mr. Gray earned his BS in Chemical Engineering from The Ohio State University. He works out of the AECOM Cleveland, OH Office and serves private, commercial, and power clients in his current capacity.

DENNIS P. CONNAIR, CPG, PG. Mr. Connair has more than 30 years of practice in subsurface investigations of environmental contamination for power companies in diverse geologic settings. Mr. Connair has developed specialty expertise in the characterization and remediation of groundwater concerns related to metals and organics contamination in alluvium, till, fractured bedrock, and karst aquifers. He leads the AECOM technical practice group addressing coal combustion residuals impact to groundwater.

Abraham Lincoln is quoted as saying, "If I had eight hours to chop down a tree, I'd spend the first six sharpening my axe." Ongoing evolution of how EPA engages with utilities on groundwater issues and development of state CCR management programs can trigger reassessment of previously selected corrective measures and the rationale for corrective action selection. The technical basis for corrective measure selection is formulated on the basis of site conceptual models (SCMs), which in basic terms describe the source and extent of groundwater impacts and what will happen to groundwater constituents in the future.

In this webinar, we will talk about methods to improve existing SCMs in order to adapt to new challenges. The value of investing in data collection will be discussed in the context of cost savings that can be realized by developing a strong case for risk-based management of CCR groundwater impacts and/or a targeted remedial action. With corrective action activities beginning to move to the forefront to satisfy direct and tangential requirements of the CCR Rule, this discussion is intended to provide an understanding of how investment in upfront data collection relates to better long-term outcomes.



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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.

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