

NCASI/WPC Technical and Regulatory Virtual Workshop Speaker Biographies



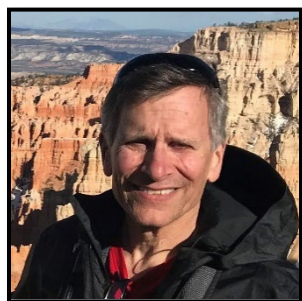
Vipin Varma, Ph.D. – President and CEO, NCASI

Vipin was named President and CEO of NCASI in September 2023. He first joined NCASI as a Senior Research Engineer in 1998 and managed several research projects on quantifying air toxics emissions and assessing Maximum Achievable Control Technology (MACT) compliance options. Vipin led the industry group in developing compliance approaches for Phase II of the MACT rule, specifically the Clean Condensate Alternative (CCA). He liaised with EPA on validating the use of EPA WATER9 emissions model for CCA and developed technical information that informed the subpart S Residual Risk and Technology (RTR) review. Vipin rejoined NCASI in 2011 after a stint at a graphene startup, where he led product development and market development in the US and EU.



Scott Suder, President, Wisconsin Paper Council

As President of the Wisconsin Paper Council, Scott directs all legislative, regulatory, media, political and member relations strategies. Prior to joining the WPC, Scott served as the Manager for State Government and Stakeholder Relations, U.S. Public Affairs for Enbridge Energy. Prior to joining the WI Paper Council Trade Association, Scott served for 14 years as a State Legislator representing the 69th Assembly District in the Wisconsin State Legislature.



John Piotrowski, Vice President of Environmental Operations, Packaging Corporation of America

John Piotrowski, a chemist by training, is WPC's Water Quality Committee Chair and has worked full-time in the industry for 33 years. He has been with PCA for the past 28 years and currently serves as the company's Vice President of Environmental Operations. Prior to joining PCA, John worked for International Papers (Merrill, WI) and Georgia Pacific (Port Edwards, WI).

In addition to John's work at PCA, John has made significant contributions to the industry. In the 1990s he served as Chair of WPC's Solid Waste Committee and was later asked to serve as WPC's Water Quality Committee Chair. He also is very active in an array of American Forest & Paper Association committees and is the Air Quality Committee Chair for the National Council for Air and Stream Improvement (NCASI) and also serves on NCASI's Executive Committee and Board of Governors.



**Jim Zellmer, Environmental Management Division
Administrator, WI DNR**

Jim received his undergraduate degree in Water Resources from the University of Wisconsin-Stevens Point and his master's degree in engineering from the University of Wisconsin-Madison. Jim has worked for the Department of Natural Resources his entire career. His work has involved both policy and field work. Jim is a professional engineer and enjoys spending his free time on Wisconsin's waterways.



**Patrick Stevens, Vice President of Environmental
and Regulatory Affairs & General Counsel,
Wisconsin Paper Council**

Patrick is responsible for developing and implementing environmental relations strategies that assist the paper, pulp and forestry industry in understanding and navigating Wisconsin's environmental regulatory processes. Prior to joining the WPC, Patrick was a partner at Axley Law Firm. He has extensive experience working for the Wisconsin Department of Natural Resources (WDNR) where he served as Assistant Deputy Secretary for the Department. Patrick also served as the Environmental Management Division Administrator at WDNR. Patrick brings trade association experience to the WPC having worked for a number of trade organizations throughout his career, including Wisconsin Manufacturers and Commerce.



Kristi Minahan, Water Quality Standards Specialist, DNR

Kristi Minahan is a Water Quality Standards specialist with the Department of Natural Resources, where she has worked on water issues since 2000. She leads policy development on surface water quality topics including antidegradation, waterbody classifications, and bioassessments for lakes, streams and rivers.



Nate Willis, Wastewater Engineer, DNR

Nate Willis has been a Wastewater Engineer for the DNR's Water Quality Bureau since 2017. In this role he serves as a Wastewater Program expert on PFAS, storage structures, and WPDES permitting of aquaculture facilities, pulp/paper mills, waste haulers, and airports.



John Roth, Stationary Source Modeling Coordinator, DNR

John Roth is the Stationary Source Modeling Coordinator for the Wisconsin DNR Air Program since 2001, responsible for developing statewide program modeling policy and maintaining consistency. John has been performing regulatory dispersion modeling for the Air Program since 1992, following receipt of both a Master's Degree and a Bachelor's Degree in Atmospheric Science from the University of Wisconsin – Milwaukee.



Tanvir Khan, Senior Research Engineer, Air Quality Program

Dr. Tanvir Khan is an environmental engineer with research experience and expertise in air quality measurement and modeling techniques, atmospheric sciences, and environmental data analysis. Prior to joining NCASI, he was a postdoctoral research associate at the FSEC Energy Research Center, where he conducted and led research projects investigating the link between whole-house mechanical ventilation systems and indoor air quality in high-performance homes in the hot-humid climate zone, developing methods to minimize airborne transmission of respiratory viruses in residential homes, and particulate matter emissions from essential oil products. In his current role, Dr. Khan conducts research and provides technical support on air monitoring and regulatory issues while collaborating with other NCASI staff and NCASI members.



Dan Dix – Technical Director, Air Quality Modeling and Monitoring Tech Team Leader, ALL4

Dan Dix is a Technical Director with ALL4 who possesses 21 years of air quality consulting experience focusing on air dispersion modeling and ambient meteorological and pollutant monitoring. Mr. Dix has worked with a variety of clients including pulp and paper, refineries, cement, mineral products, power, iron and steel, lead acid battery manufacturing in multiple states. Many of the air quality modeling studies were part of major New Source Review projects, while others involved air quality modeling to assess compliance with air toxics regulations or other state programs. Mr. Dix has directed and conducted air quality modeling studies that involve the U.S. EPA AERMOD air dispersion model and has experience with all of U.S. EPA's current Appendix A air dispersion models.



Amanda Mattingly, P.E. – Senior Research Engineer, NCASI

Amanda is an environmental engineer with a focus on analysis of water treatment processes. She started with NCASI in 2017 with a focus on member support through wastewater treatment plant modeling. In her current role, her research focuses on the design, evaluation, and control of biological wastewater treatment plant processes. She is also responsible for wastewater treatment member company support.





Cher Lindelien – Associate Scientist, NCASI

Cher started working as a Research Assistant at Analytical Laboratory at the Newberry Offices and Lab in July 2022. She graduated with her M.S. from the University of Georgia where she conducted a research project on the interaction between the biogeochemical cycling of sulfur and trace metal remediation in surface waters of two constructed wetlands used to treat discharged waters from facilities on the Department of Energy Savannah River Site. She served as a student member of the Society of Environmental Toxicology and Chemistry (SETAC) for three years. Prior to working at NCASI, Cher conducted Whole Effluent Toxicity (WET) tests as well as gained research experience in ecotoxicology. Her previous experience in many scientific disciplines including wetland restoration, molluscan aquaculture, and oyster restoration allowed her to develop skills in experimental design, field sampling methodologies, and extension work with the public.



Derek Sain – Senior Program Manager, Wood Products and Member Engagement Activities, NCASI

Derek Sain is a Senior Program Manager in the Wood Products Program. Derek has been with NCASI since 2005 working primarily in the Air Quality Program on method evaluations, emission factor development, and FTIR analysis. Derek also has responsibility for NCASI's work related to solid waste and beneficial use of manufacturing residuals. In addition to his technical work, he also spends part of his time assisting Members in these topic areas and helping them meet their environmental goals.



Zach Emerson, Ph.D. – Program Director, Air Quality, NCASI

Dr. Zach Emerson has been with NCASI since 2007 and now manages the pulp and paper air program. His work has involved research on wastewater fugitive emissions, air modeling, and emissions measurement methods. Expertise includes air emissions estimates, empirical and numerical modeling, and troubleshooting. He routinely provides technical support to members for SARA reporting, MACT compliance, and air permitting. He is also a NCASI member coordinator with responsibility for ~35 pulp mills.

