David T. Dyjack, Dr.PH, CIH  
Executive Director  
National Environmental Health Association

David is Executive Director & CEO of the 6000-member National Environmental Health Association (NEHA), a position he has held since May 2015. Dr. Dyjack is Principal Investigator on two recent externally funded awards from the U.S. Centers for Disease Control and Prevention. The first grant serves to increase capacity of the U.S. national environmental health workforce while the second is focused on rebuilding essential environmental health services in the U.S. Virgin Islands and Puerto Rico. Dr. Dyjack was a keynote speaker at the World Health Organization’s First Global Conference on Air Pollution and Health in Geneva, Switzerland in November 2018, and was named in February 2019 to a USEPA Federal Advisory Committee on North American Environmental Cooperation. He recently returned from Kampala, Uganda where he was the keynote speaker for an international conference on environmental health. Dyjack earned a doctorate in public health from the University of Michigan, an MSPH from the University of Utah, and is a board-certified industrial hygienist (CIH).

Keynote Address: Panel Discussion  
Plenary Session

How Are EH Professionals Internationally Ensuring Safety and Health During COVID-19

Teaser: The COVID-19 pandemic highlighted the relevance of public health professionals all over the world, in particular of Environmental Health Practitioners (EHPs), who played a major role in the containment of the novel coronavirus. Additionally, due to limited resources, during emergencies EHPs may temporarily transition away from their day-to-day role, potentially increasing other public health
and safety risk factors without appropriate surveillance or intervention. To overcome this and prepare for a possible second wave and future pandemics, it is important to identify and discuss the key role of EHPs in different countries, providing a common framework for practices that can contribute to population safety and health.

**Henry Dawson, BSc(Hons), PgCLTHE, MSc**  
Chartered Member of CIEH  
Senior Fellow of the HEAH  
Senior/Principle Lecturer in Environmental Health, Housing and Risk

Henry has worked in Environmental Health since 2002. He is a Chartered Member of the Chartered Institute of Environmental Health and member of the International Federation of Environmental Health. He has worked in a range of local authorities covering all areas of Environmental Health, before moving into academia as a Lecturer in the Environmental and Occupational Public Health Team at Cardiff Metropolitan University. His research interests are in the governance and regulation of private rental sector housing and online learning design.

**David T. Dyjack, Dr.PH, CIH**  
Executive Director  
National Environmental Health Association

**Graeme Mitchell**  
Program Leader for Environmental Health  
Liverpool John Moores University  
Chartered Member of CIEH

Graeme qualified as a Environmental Health Practitioner in 1992 and is a Chartered Member of the Chartered Institute of Environmental Health in the UK. He worked for a number of Local Authorities in the NW of England until 2007, when he took up his current post as Programme Leader for the BSc (Hons) Environmental Health at Liverpool John Moores University. His recent published research activity has focused on food allergens and the practices and attitudes of food business in preparing allergen safe meals. He is a member of the International Federation of Environmental Health and a member of the editorial board of the International Journal of Sanitary Engineering Research. His recent media activity has involved being a guest presenter on Radio City Talk, discussing the Covid-19 pandemic.
Matilde A. Rodrigues  
Professor, Department of Environmental Health  
P. Porto

Matilde is a Professor in the Department of Environmental Health at the School of Health | P.Porto. She is a researcher at the Research Centre on Environment and Health, ESS | P.Porto and collaborator at the ALGORITMI Research Center in the “Industrial Engineering and Management (IEM)” research line, group of “Ergonomics and Human Factors”, UMinho, as well as in the Center for Rehabilitation Research (CIR), ESS | P.Porto. She received her BSc in Environmental Health from the Polytechnic Institute of Porto, Portugal. She received her MSc from the University of Minho in Human Engineering and her PhD in Industrial Engineering and Systems. Her research interests are in the domain of Occupational Health & Safety, Human Factors Engineering, Risk Management, Disaster Management and Ergonomics. The application areas include industries, schools and health care services. Matilde has published several papers in international peer-reviewed journals and in international conference proceedings. She is co-author of several chapters published in international books. She is Associate Editor of Safety Science journal.

Kirstin Ross  
Associate Professor, Environmental Health  
Flinders University in Adelaide, South Australia

Kirstin is an Associate Professor in Environmental Health at Flinders University in Adelaide, South Australia. She is the course coordinator for the Graduate Diploma in Environmental Health Practice and the Master of Environmental Health. Her research focusses on anything to do with environmental health: microbes, parasites, toxins, waste, water, environmental health education and workforce issues and community engagement. She is a Director on the National Board of Environmental Health Australia, a member of the Educators’ Forum and a State Branch Councillor (SA Branch). She is also a member of the International Federation of Environmental Health.

Retail Restaurants as Impacted by COVID-19

Teaser: Restaurants historically operate safely having worked for decades under the watchful eye of local health officials under the directives of the FDA Food Code and state/local regulations. But Covid 19 has thrown the original rule book out the window and have many restaurants either completely restructuring their business operations or just simply shutting the doors. How restaurants survive today and thrive tomorrow will be based in large part on new public/private partnerships, renewed consumer confidence and a redefinition of what “safe dining” means. We’ll explore how we got there, what we’re doing and what the future looks like (at this moment in time!).
Lawrence J. Lynch, CAE  
Senior Vice President of Certification and Operations  
National Restaurant Association

Larry is senior vice president of Certification and Operations for the National Restaurant Association. In addition to overseeing the development and delivery of the association’s broad array of accredited credentials, he is responsible for program accreditation, customer operations support, state compliance, food safety instructor quality and oversees business operations for the Orlando, FL and Lansing, MI offices. Most recently he took responsibility for the Association’s Food Science and Industry Relations team which serves as a liaison with the food industry and regulatory bodies to ensure the industry retains a policy voice as it relates to food science and food safety. Larry is also president of National Registry of Food Safety Professionals which, through acquisition, became a wholly owned subsidiary of the association in 2016. Prior to that Larry was Director of the Disney Institute. Larry’s focus on food safety includes 17 years of active participating in the Conference for Food Protection where he has served for 12 years on the Food Manager Certification Committee and 3 terms on Council II. He has been active in the Global Food Safety Initiative and is a subject matter expert for the International Organization for Standardization (ISO) helping to develop ISO 22003 which includes the rules applicable for the audit and certifications of a food safety management system. He earned his BA in Political Science at Rutgers University where he continued graduate studies toward a Masters in Public Administration. He earned a Graduate Certificate in Entrepreneurial Management from Rollins College in Florida. He has served on numerous industry and charitable boards of directors during his career. He and his family are residents of Orlando, FL.

Food is All Communities

Navina Khanna  
Executive Director  
Heal Food Alliance

Did COVID-19 Unearth Fundamental Challenges in the Cannabis Industry?

**Teaser:** During this session we will discuss: how COVID-19 exacerbated fundamental employee and consumer safety concerns; how to immediately mitigate these concerns; ancillary supports to improve health and safety in the industry; how fundamental supply chain and regulatory challenges contributed to the fragmented response to COVID-19.
Ashley Boucher, MLS  
Founder/Owner  
Quality Control Analytics

Ashley is the founder and owner of Quality Control Analytics, the first accredited Responsible Vendor Trainer in Massachusetts for the cannabis industry. In her former role as a Medical Laboratory Scientist, Ashley consulted with various laboratories to maintain compliance, maintain quality through statistical analysis, and provide education to bridge knowledge gaps. In the cannabis industry, Ashley works as an educator and consultant to promote consumer and employee safety, employer accountability, and improved regulations.

David Vaillencourt  
Founder/CEO  
The GMP Collective

David is the Founder and CEO of The GMP Collective, providing the legal cannabis and life science industries with operational best practices throughout the supply chain. He has been recognized for his contributions to the cannabis industry by ASTM International where he serves as an Officer on their D37 Cannabis Standards Development Committee. At the National Cannabis Industry Association, David is a member of their Facility Design Committee through which he regularly speaks and writes on best practices for both industry and regulators. He holds a Master’s in Science and has nearly 15 years of experience serving as an educator, project management, and in quality control.

Retail Food Virtual Inspections

Teaser: COVID-19 has given Environmental Health Retail Food Program Managers a whole new perspective, a virtual perspective. The requirement for social distancing and fears of contracting COVID-19 has created a niche for virtual inspections in order to meet mandated plan review evaluations and change of ownership assessments, as well as food safety checks that provide COVID-19 education and compliance assistance. There are benefits to implementing retail food virtual inspections but what are the challenges?

Sandra D. Craig  
Director, Division of Food and Lead Risk Assessments  
South Carolina Department of Health and Environmental Control

Sandra has a B.S. in Agriculture, 38 years of experience in Environmental Health programs at the SC Dept of Health and Environmental Control, Director of the Division of Food and Lead Risk Assessments since 2005. The division provides statewide oversight of the retail, dairy & manufactured dairy food, bottled water,
soft drinks and ice regulatory programs as well as the environmental assessments for childhood elevated blood lead cases. Active member of the Conference for Food Protection, currently co-chair of the Food Recovery committee.

Michele R. DiMaggio, REHS
Supervising Environmental Health Specialist
Contra Costa County, Health Services Department, Environmental Health Division in California

Michele has a B.S. Biological Science and a California Registered Environmental Health Specialist since 2002. 7 Years as a Supervising Environmental Health Specialist with Contra Costa County, Health Services Department, Environmental Health Division in California. Within the Retail Food Program, she directly manages Temporary Food Facilities, Certified Farmer’s Markets, New Employee Training and Standardization, and Bed Bug Inter-Agency Consultation. Michele is a National Environmental Health Association (NEHA) Region 2 Vice President and Food Safety Subject Matter Expert. She represents NEHA as a member of Center for Disease Control and Prevention’s Board of Scientific Counselors, Food Safety Modernization Act (FSMA) Surveillance Working Group. She participates on the Partnership for Food Protection (PFP) Training & Certification Workgroup. Additionally, she is a U.S. Food and Drug Administration’s, Office of Training, Education and Development Food Safety Subject Matter Expert and Temporary Food Establishments Course Trainer. Locally, Michele is a liaison and responder for the Department’s Emergency Management and Foodborne Illness Outbreak Investigations Teams.

Virtual Training- Delivering FDA/OTED Trainings in 2021 & NEHA Just in Time Videos

Teaser: The need for training is ongoing and current conditions require a shift from in-person to virtual environments, including new logistics, online development, and technical preparation for participants and delivery teams. Be prepared to attend or develop training in response to the accelerated need for remote learning. Get informed about FDA training offerings for the upcoming year and learn how NEHA organized to create online and just-in-time training resources for EH professionals.

Rance Baker
Director, Entrepreneurial Zone
National Environmental Health Association

Rance is a Director at the National Environmental Health Association with headquarters in Denver, CO. He oversees the Entrepreneurial Zone for NEHA, and leads the teams in researching, developing and delivering education and training in food safety and other environmental health areas. Before coming to NEHA, Rance spent over 30 years in retail food in restaurants and grocery stores. His background in corporate management and in ownership in both the restaurant and grocery sectors gives him a strong understand of food and food safety needs from both the industry and regulatory points of view. Rance is a Principle Investigator for FDA cooperative agreements, an active member of the Conference for
Food Protection, sits on the Partnership for Food Protection Training and Credentialing Committee, and is a member of the ANSI Credentialing Body Advisory Council.

**CDR Deirdra Holloway, MSRD**  
**CDR, USPHS**  
**Division of Programmatic Training (DPT)**  
**Office of Training, Education, & Development (OTED)**

Deirdra earned her master’s degree in the field of Nutrition and Food Science from Marywood University and is currently serving as a United States Public Health Service Officer. For the past 17 years, CDR Holloway was employed as a Registered Dietitian with Indian Health Service and transferred to the U.S. Food and Drug Administration at the Office of Training, Education, and Development (OTED) 10 years ago. She started as a training officer on the retail course team leading the delivery of Plan Review, Temporary Food Establishments, Managing Retail Food Safety, and Special Processes. CDR Holloway has also worked with a variety of commodities including produce and animal food. She is currently the project officer and lead for the retail team and collaborates with the National Environmental Health Association (NEHA) to deliver quality retail courses to food regulators.

**Kim Koenig**  
**Instructional Designer**  
**National Environmental Health Association**

Kim has worked in technical and academic instructional design and delivery for over ten years managing instructor-led and online course development and creating instructional programs for University of Colorado, UC Health Authority, University of Denver, and for a variety of health and professional organizations as a curriculum developer, system analyst and administrator, and principal trainer.

**COVID-19 Response: The Interconnection of Environmental Health and Infectious Disease**  
**Plenary Session**

*Teaser: These unprecedented times have exemplified the interconnection between environmental health and infectious disease transmission. During his closing remarks, Dr. Breysse will focus on the environmental health response to COVID-19 and the crucial role of environmental health professionals throughout this crisis. Dr. Breysse will also highlight how effective environmental health services are necessary to reduce the spread of this virus and reopen our country safely.*
Pat Breysse, PhD, CIH  
Director of NCEH/ATSDR  
Centers for Disease and Control

Pat joined CDC in December 2014 as the Director of NCEH/ATSDR. Dr. Breysse leads CDC’s efforts to investigate the relationship between environmental factors and health. He came to CDC from the Johns Hopkins University where his research focused on the evaluation and control of chemical, biological, and physical factors that can affect health, with a particular concentration on risk and exposure assessment. Under Dr. Breysse’s leadership, the agency has prioritized work on exposure to lead and safe drinking water, initiated new ATSDR actions to address exposure to hazardous chemicals, and played a critical role in CDC’s emergency preparedness and response to natural disasters and chemical exposures. Dr. Breysse received his PhD in Environmental Health Engineering from Johns Hopkins University in 1985 and completed postdoctoral training at the British Institute for Occupational Medicine in Edinburgh, Scotland.

Tuesday, August 18, 2020  
Water Track

Welcome Message  
Plenary Session

David T. Dyjack, Dr.PH, CIH  
Executive Director  
National Environmental Health Association

David is Executive Director & CEO of the 6000-member National Environmental Health Association (NEHA), a position he has held since May 2015. Dr. Dyjack is Principal Investigator on two recent externally funded awards from the U.S. Centers for Disease Control and Prevention. The first grant serves to increase capacity of the U.S. national environmental health workforce while the second is focused on rebuilding essential environmental health services in the U.S. Virgin Islands and Puerto Rico. Dr. Dyjack was a keynote speaker at the World Health Organization’s First Global Conference on Air Pollution and Health in Geneva, Switzerland in November 2018, and was named in February 2019 to a USEPA Federal Advisory Committee on North American Environmental Cooperation. He recently returned from Kampala, Uganda where he was the keynote speaker for an international conference on environmental health. Dyjack earned a doctorate in public health from the University of Michigan, an MSPH from the University of Utah, and is a board-certified industrial hygienist (CIH).
Teaser: The COVID-19 pandemic highlighted the relevance of public health professionals all over the world, in particular of Environmental Health Practitioners (EHPs), who played a major role in the containment of the novel coronavirus. Additionally, due to limited resources, during emergencies EHPs may temporarily transition away from their day-to-day role, potentially increasing other public health and safety risk factors without appropriate surveillance or intervention. To overcome this and prepare for a possible second wave and future pandemics, it is important to identify and discuss the key role of EHPs in different countries, providing a common framework for practices that can contribute to population safety and health.

Henry Dawson, BSc(Hons), PgCLTHE, MSc
Chartered Member of CIEH
Senior Fellow of the HEAH
Senior/Principle Lecturer in Environmental Health, Housing and Risk

Henry has worked in Environmental Health since 2002. He is a Chartered Member of the Chartered Institute of Environmental Health and member of the International Federation of Environmental Health. He has worked in a range of local authorities covering all areas of Environmental Health, before moving into academia as a Lecturer in the Environmental and Occupational Public Health Team at Cardiff Metropolitan University. His research interests are in the governance and regulation of private rental sector housing and online learning design.

David T. Dyjack, Dr.PH, CIH
Executive Director
National Environmental Health Association
Graeme Mitchell
Program Lead for Environmental Health
Liverpool John Moores University
Chartered Member of CIEH

Graeme qualified as an Environmental Health Practitioner in 1992 and is a Chartered Member of the Chartered Institute of Environmental Health in the UK. He worked for a number of Local Authorities in the NW of England until 2007, when he took up his current post as Programme Leader for the BSc (Hons) Environmental Health at Liverpool John Moores University. His recent published research activity has focused on food allergens and the practices and attitudes of food business in preparing allergen safe meals. He is a member of the International Federation of Environmental Health and a member of the editorial board of the International Journal of Sanitary Engineering Research. His recent media activity has involved being a guest presenter on Radio City Talk, discussing the Covid-19 pandemic.

Matilde A. Rodrigues
Professor, Department of Environmental Health
P. Porto

Matilde is a Professor in the Department of Environmental Health at the School of Health | P. Porto. She is a researcher at the Research Centre on Environment and Health, ESS | P. Porto and collaborator at the ALGORITMI Research Center in the “Industrial Engineering and Management (IEM)” research line, group of “Ergonomics and Human Factors”, UMinho, as well as in the Center for Rehabilitation Research (CIR), ESS | P. Porto. She received her BSc in Environmental Health from the Polytechnic Institute of Porto, Portugal. She received her MSc from the University of Minho in Human Engineering and her PhD in Industrial Engineering and Systems. Her research interests are in the domain of Occupational Health & Safety, Human Factors Engineering, Risk Management, Disaster Management and Ergonomics. The application areas include industries, schools and health care services. Matilde has published several papers in international peer-reviewed journals and in international conference proceedings. She is co-author of several chapters published in international books. She is Associate Editor of Safety Science journal.

Kirstin Ross
Associate Professor, Environmental Health
Flinders University in Adelaide, South Australia

Kirstin is an Associate Professor in Environmental Health at Flinders University in Adelaide, South Australia. She is the course coordinator for the Graduate Diploma in Environmental Health Practice and the Master of Environmental Health. Her research focusses on anything to do with environmental health: microbes, parasites, toxins, waste, water, environmental health education and workforce issues and
community engagement. She is a Director on the National Board of Environmental Health Australia, a member of the Educators’ Forum and a State Branch Councillor (SA Branch). She is also a member of the International Federation of Environmental Health.

**Best Practices for Restarting Your Building’s Water System**

*Teaser:* The U.S. has seen a rapid 5-fold rise in reported legionella cases since 2000. An August 2019 National Academy of Science report on managing legionella in water systems estimated the true disease burden to be 50,000 to 70,000 legionella cases per year. We are now faced with 10s of thousands of buildings that have seen significantly reduced water utilization due to COVID-19 and creating conditions associated with amplification of risk for legionella growth. In response, the Center for Disease Control and state and local agencies from across the United States have issued detailed guidance and/or requirements for managing water system risks associated with low water utilization and stagnation. This presentation will provide an overview of the practical steps that public agencies and building owners can take to reduce the risks of legionella amplification in water systems. The presentation will discuss how we can leverage our COVID-19 response to improve the management of building water systems causing thousands of illnesses and deaths every year in North America.

**Chris Boyd**  
General Manager  
NSF International

Chris is General Manager for the NSF Building Water Health program. Chris came to NSF International from the Department of Health and Mental Hygiene in New York City (NYC), where he led the agency’s response to the largest Legionella outbreak in NYC history. He also reorganized the response to building and environmental outbreaks and oversaw implementation of the first Legionella controlling regulatory standards in cooling towers. Chris was also responsible for regulatory oversight of the New York City municipal water system.

**Andrew Ward**  
Technical Manager  
NSF International, Water Systems- Building Water Health

Andrew is a technical consultant for the Building Water Health Program at NSF International. His responsibilities include creation of Water Safety Plans for healthcare, industrial, and residential facilities, and the development of compliance verification programs for water systems. Andrew is a voting member on ASHRAE SSPC 188 as well as SPC 514, for the development of a new industry standard on the prevention of disease and injury associated with waterborne physical, chemical, and microbial hazards.
COVID-19 Considerations for Public Aquatic Venues

Teaser: The virus that causes COVID-19 can be transmitted by respiratory droplets to patrons and aquatics staff, regardless if they are in the water or on the surrounding deck. CDC’s Healthy Swimming program had multiple conversations with the state and local public health partners and the aquatics sector about COVID-19 prevention and consulted with colleagues across CDC. The result is considerations to slow the spread of COVID-19 at public aquatic venues based on the pillars of COVID-19 prevention.

Michele Hlavsa, RN, MPH
Epidemiologist
CDC’s Healthy Swimming Program; Waterborne Disease Prevention Branch, Centers for Disease Control & Prevention

Michele is chief of the U.S. CDC’s Healthy Swimming Program. Her areas of expertise include recreational water–associated illness, particularly when caused by Cryptosporidium. She has worked on several outbreak investigations of recreational water–associated illness at CDC and collaborates with U.S. and foreign public health authorities and the aquatics sector to develop appropriate prevention and control measures. She has a bachelor’s degree in nursing from the College of New Jersey and a master’s in public health/epidemiology from Emory University. Michele was an Epidemic Intelligence Service Officer prior to joining the Healthy Swimming Program.

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Joseph Laco, M.SEH, REHS/RS
Commander/Environmental Health Scientist
CDC, National Centers for Environmental Health

Joseph is active duty service-member of the US Public Health Service (USPHS) and is stationed at the Center for Disease Control and Prevention in Atlanta, Georgia. CDR Laco is an Environmental Health Scientist in the National Center for Environmental Health’s Water, Food, and Environmental Health Services Branch. His work focuses largely on Recreational Water, Emergency and Outbreak Response, Food Safety, Drinking Water, Wastewater, Vector Control, Safety and PPE, and Hazardous Materials. He was the recipient of the USPHS Environmental Health Officer 2019 Edward Moran Award and the 2017 Responder of the Year Award. CDR Laco has over 24 years of experience working in: The Federal government, State
government, clinical and research Laboratories, and private industry. He received his bachelor’s degree in Biology from Ohio University in 1995, and a Master of Science Degree in Environmental Health from East Tennessee State University in 2001. He is a Registered Sanitarian and Registered Environmental Health Specialist through the National Environmental Health Association.

What’s NOWRA Done for You Lately?

Teaser: Why should you care what the National Onsite Wastewater Recycling Association (NOWRA) is doing? Because it may impact your job. According to NEHA, the second most frequent job responsibility cited by NEHA members is onsite wastewater oversight and compliance. As the leading national association addressing issues related to onsite wastewater management, we are working in a variety of ways to improve professionalism, increase funding and improve conditions for professionals working in onsite wastewater management.

Eric Casey
Executive Director
National Onsite Wastewater Recycling Association (NOWRA)

Eric has served as Executive Director of the National Onsite Wastewater Recycling Association since June 2010. In that capacity he has day-to-day responsibility for the management and operation of the association. His responsibilities include lobbying, strategy & planning, education & training, membership, and state affiliate relations, print and online communications, and product development. Casey is a member of the US EPA Decentralized Wastewater Workgroup, the NSF International Joint Committee on Wastewater, and the Water Environment Federation Small Communities Committee. He has BA from the University of Virginia, and an MBA from the George Washington University.

Community Coronavirus Tracking by Monitoring Sewage

Teaser: Sewage surveillance is a powerful tool used to monitor viral circulations. For COVID-19, the data could also provide insights into the diversity of viruses circulating in a community. This presentation will cover community coronavirus surveillance and tracking though monitoring the sewage. The three main take-away concepts will include – 1) how the sewage is monitored, what the monitoring targets ought to be, and some limitations of this method; 2) a short primer on monitoring microbial communities in drinking water and wastewater from a practical perspective; and 3) how to detect SARS-CoV-2 coronavirus in wastewater through molecular biological methods. Wastewater monitoring can be used to determine early COVID-19 infections and the approximate number infected, without having to test every individual in a location. This will provide an indication of effectiveness of containment within the community. Lastly, this method can be used to measure effectiveness of interventions, e.g., social distancing.
**Joseph Cutrovo, PhD, BCES**  
**Consultant**  

Joseph serves as a consultant in water science and technology. He is the former Director at the US EPA Drinking Water Standards Division. He is currently on the World Health Organization and water reuse committees. He is Board Certified in Environmental Sciences. He received his doctorate in Organic chemistry from Ohio State University.

**Rita Colwell**  
**Distinguished Professor**  
**University of Maryland and Johns Hopkins University**

Rita is the Distinguished Professor at the University of Maryland and Johns Hopkins Bloomberg School of Public Health. She is the former Director of National Science Foundation. She has received the National Medal of Science. She received her doctorate in Molecular Biology and Microbiology from University of Washington.

**Menu Leddy**  
**Consultant**  

Menu serves as a consultant at the Essential Environmental Engineering Systems and serves as the Chief Scientific Officer and committee member to Review the New York City Watershed Protection Program for National Academies of Sciences, Engineering, and Medicine. She previously served as Principal Scientist at the Orange County Water District.

**Effective Water Treatment Technologies for Viral Deactivation**

**Teaser:** Research tells us that there is no evidence of viable Coronavirus in wastewater systems. RNA indicators are found in wastewater and at treatment plants, but it has yet to be shown the virus is still infectious. Also, there is no evidence yet of transmission via the fecal-oral route. Enveloped virus, such as the coronavirus, are thought to be more fragile and more susceptible to disinfectants than their non-enveloped enteric counterparts. This presentation will review current regulations, what we know about deactivating viruses and the importance of meeting State permits. The presentation will also touch on the disinfection technologies used in California and will provide more detail on chlorine and UV disinfection and ways to monitor the effectiveness of your system.
Brian Bernados, PE  
Water Reuse Technical Specialist  
California State Water Board  

Brian has been with the Division of Drinking Water, California State Water Board for 26 years. He is a Registered Civil Engineer in the State of California and holds a Grade T5, Water Treatment Operator in the State of California. Brian is a technical specialist reviewing recycled water, water reuse via groundwater recharge, surface water augmentation, direct potable reuse feasibility, and alternative technology acceptance. Technical Specialist in alternative technology, advanced technology, RO/AOP, UV disinfection (potable, recycled & reuse), recycled water, groundwater recharge, surface water augmentation, direct reuse, seawater desal, and water treatment additives/components.

COVID-19 Response: The Interconnection of Environmental Health and Infectious Disease  
Plenary Session  

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Pat joined CDC in December 2014 as the Director of NCEH/ATSDR. Dr. Breysse leads CDC’s efforts to investigate the relationship between environmental factors and health. He came to CDC from the Johns Hopkins University where his research focused on the evaluation and control of chemical, biological, and physical factors that can affect health, with a particular concentration on risk and exposure assessment. Under Dr. Breysse’s leadership, the agency has prioritized work on exposure to lead and safe drinking water, initiated new ATSDR actions to address exposure to hazardous chemicals, and played a critical role in CDC’s emergency preparedness and response to natural disasters and chemical exposures. Dr. Breysse received his PhD in Environmental Health Engineering from Johns Hopkins University in 1985 and completed postdoctoral training at the British Institute for Occupational Medicine in Edinburgh, Scotland.
Welcome Message
Plenary Session

Sandra Long
President
National Environmental Health Association

Sandra is the Environmental Health Manager for the Town of Addison, Texas. Prior to hiring with the Town of Addison she was Environmental Health Supervisor for the City of Plano Environmental Health & Sustainability Department, and Director of Environmental Health for the City of The Colony, Texas. Ms. Long is a graduate of Texas Woman’s University with a Bachelors of Science Degree. Her graduate work was with the University of North Texas. Ms. Long is a Professional Sanitarian in the State of Texas and holds Registered Environmental Health Specialist/Registered Sanitarian and Certified Professional – Food Safety credentials with the National Environmental Health Association. She is a Certified Foodservice Manager Instructor & Proctor for Prometric and a Food Code Standardization Trainer through the Texas Department of State Health Services. In addition to over 30 years of experience in food safety and inspections, other experience includes water and wastewater monitoring and testing, epidemiology, emergency preparedness, plan review, building inspections, code enforcement and animal services. Sandra has been an active member of Texas Environmental Health Association (TEHA) since 1994, served on the TEHA state governing council and is a past president of the Association (2006). She has been responsible for Proclamations providing recognition from the State of Texas for Professional Sanitarians and Environmental Health Specialists. Sandra is an active member of the National Environmental Health Association (NEHA) since 1994 and is currently serving NEHA President. She has served a practitioner on the National Environmental Health Science & Protection Accreditation Council and on the Sanitarian Advisory Committee to the State of Texas as presiding officer from 2002 to 2010.

Welcome Message from FDA

Laurie Farmer
Director of the Office of State Cooperative Programs
Food and Drug Administration

Laurie is currently the Director of the Office of State Cooperative Programs at the Food and Drug Administration responsible for the strategic planning, management, and oversight of the national field programs in Retail Food Protection, Milk Safety and Shellfish Sanitation. She has worked in this role since 2017. She has been with the Food and Drug Administration since 1990 where she began her career as a field Investigator. She has served in variety of leadership positions in FDA including her most recent position as the FDA Southeast Region Director of State Cooperative Programs which included
radiological health programs in addition to the retail, milk and shellfish programs. She has received awards that include the FDA Award of Merit and AFDO’s Presidents Award.

Laurie began her public health career in a county Women’s Infants and Children’s Program (WIC). She has been involved in Federal/ State/Territory/Tribal and local integration her entire career. Laurie holds a Bachelor of Science degree from University of North Carolina at Greensboro.

FDA Office of State Cooperative Programs: Adapting to Challenges & Building for the Future

Christopher Smith
Retail Food Branch Director, Office of State Cooperative Programs
Food and Drug Administration

Christopher is a Retail Food Branch Director within FDA’s Office of State Cooperative Programs. As Branch Director, he is responsible for managing the FDA Retail Food Protection field program within 17 States and 3 territories within the United States. Chris has been with the Food & Drug Administration since 2010 having previously served as a Retail Food Specialist and National Team Leader. Chris received the State Cooperative Programs Specialist of the Year award in 2018 and served as the Acting Division Director for the Division of Retail Food Protection for 4 months in 2020. Prior to joining the FDA, Chris worked in a variety of environmental health and retail food safety positions at both the state and local levels for 13 years in the State of North Carolina. This included work as a field inspector, regional specialist, and program manager. Chris has a Bachelor’s degree in Environmental Studies from the University of North Carolina at Wilmington, a Master’s in Public Administration from East Carolina University, and graduate certificates in Public Health and Field Epidemiology from the University of North Carolina at Chapel Hill. Chris is a Registered Environmental Health Specialist with both the State of North Carolina and the National Environmental Health Association.

Disclosing Inspection Results at Point of Service: Impact on Foodborne Illness Outcomes

Teaser: The significant proportion of foodborne illnesses attributed to restaurants has highlighted the importance of food establishment inspections. Agencies that disclosed at the point of service reported fewer foodborne illness outcomes than did agencies that disclosed online only. These results warrant future research efforts to improve the effectiveness of food establishment inspection programs.
Thuy Kim
PhD Student
University of Minnesota School of Public Health

Thuy is currently a PhD student focusing on food safety at the University of Minnesota School of Public Health in the Division of Environmental Health Sciences. Her career in food safety began as a foodborne epidemiologist at the Alabama Department of Public Health and continued as a program analyst at the Council of State and Territorial Epidemiologists.

Food Freedom: Is There Coming Back from the Abyss

Teaser: The Food Freedom Movement is growing nationally. Efforts to limit or restrict government oversight of food safety requirements are gaining, from local authorities to states, in both red and blue jurisdictions. These efforts directly contradict federal goals for a uniform food safety system, inviting more inconsistencies within food protection. Participants will learn: why these efforts are becoming so popular; how local EH directors have responded to these challenges, and what the profession should expect in the future.

Michele R. DiMaggio, REHS
Supervising Environmental Health Specialist
Contra Costa County, Health Services Department, Environmental Health Division in California

Doug Farquhar, J.D.
Director of Government Affairs
National Environmental Health Association

Doug is an attorney with 30 years’ experience working with policy makers on environmental health issues. Primarily working with state legislatures, he has testified 60 times before legislative committees in 36 states, in addition to consulting with state agency staff in every state on enlightening state policy makers. In April 2020, he began as the director of Government Affairs for the National Environmental Health Association (NEHA) in Denver, CO. Prior to coming to NEHA, Doug directed the environmental health program for the National Conference of State Legislatures (NCSL). He has worked in the Texas House of Representatives for the Natural Resources and Appropriations Committees and for Congressman Schaefer on Capitol Hill.
in Washington. He received his law degree from the University of Denver (DU) and undergraduate from
the University of Texas in Austin. He is adjunct professor in the DU graduate school of Environmental
Policy and Management and is an affiliate professor at the University of Washington School of Public
Health.

Roy Kroeger
Director
Cheyenne-Laramie County Division of Environmental Health in Cheyenne, Wyoming

Roy is the Director for the Cheyenne-Laramie County Division of Environmental Health in Cheyenne, Wyoming. Roy received his B.S. in Environmental Health from Colorado State University in 1993 and has twenty-seven years of experience in the environmental public health profession. He received his Registered Environmental Health Specialist credential in June 2000. He served as NEHA’s Region 3 VP from 2007 until 2018 and is currently the President Elect. He has also participated as a subject matter expert in updating the Registered Environmental Health Specialist (REHS) and Certified Professional in Food Safety (CP-FS) credentials. Roy is also currently serving on the Governing Council of the FDA’s Partnership for Food Protection (PFP) and the Governance Council for the Council to Improve Foodborne Illness Outbreak Response (CIFOR).

Vince Radke, MPH, RS, CP-FS, DLAAS, CPH
Sanitarian
Past President, National Environmental Health Association

Vince has worked in Public Health and Environmental Health for 50 years. Since 2001 and until his retirement in October 2018, Vince had worked at the Centers for Disease Control and Prevention (CDC) in food safety, doing mostly outbreak investigation and research. Also, he was involved in vector control and emergency preparedness and response. Before CDC, Vince spent 22 years in environmental health, mostly doing food safety in the states of CT, WV, VA and MN. Vince was part of the Smallpox Eradication Program, first as a Peace Corps Volunteer (Surveillance and Assessment Officer) in Ethiopia (1970-74) and then later as a technical advisor with the World Health Organization in Bangladesh (1976) and Kenya (1977-79). He received The Order of the Bifurcated Needle from the World Health Organization in 1980 for his work during the Smallpox Eradication Program. He was Director of Environmental Health for the City of Stamford, CT in the early 1980’s. Vince is a Registered Sanitarian. He holds a Masters of Public Health degree (1977) from the University of Pittsburgh. Vince has served as Chairman of the American Academy of Sanitarians 2014-2015. He has been President of the National Capital Area Environmental Health Association and the Virginia Environmental Health Association. Vince was President of the National Environmental Health Association, 2018-2019. He received the U.S. Department of Health and Human Services, Secretary’s Award for Distinguished Service during Hurricanes Katrina, Rita and Wilma in 2005 and the Distinguished Service and Professional Achievement Award from the Environmental Section of the American Public Health Association in 2006. Vince was honored with the 2011 Environmental
Protection Agency Bronze Medal Award. In 2015, he received the Excellence in Leadership Award from the National Center for Environmental Health at CDC.

**US FDA Retail Standards Funding Today and the Future**

*Teaser:* The US FDA has been working with our various partners to reduce foodborne illness risk factors at the retail level. Part of this collaboration has been with the availability of grant funding to those jurisdictions enrolled in the Voluntary National Retail Food Regulatory Program Standards. There is current funding available and a new funding model in the future to advance the objective of a reduction in foodborne illness risk factors at the retail level.

Maribeth is a Consumer Safety Officer with the US Food and Drug Administration. She worked for 13 years as an Investigator in the Cincinnati District Office before moving to the Office of Partnerships in 2015. Mrs. Niesen has a BS in Environmental Health Science, and MPA in Community Health from Eastern Kentucky University. She also has a Masters Certificate in Project Management from George Washington University, School of Business and a Certificate of Graduate Study from Xavier University. Most importantly, Mrs. Niesen is a mom to two boys, five and three years old.

**Foodborne Outbreak Investigations: Improving the Identification of Control**

*Teaser:* Contributing factors (CFs) are the practices and behaviors which most likely contributed to a foodborne illness outbreak. Information on outbreak CFs is critical to understand and prevent foodborne illness. CFs provide information on system failures and inform targeted implementation of outbreak control and prevention measures. This session will describe the latest revision process of the CFs, which involved the collaboration of epidemiologists and environmental health specialists from the federal, state, and local levels. The session will also describe tools that can assist with the identification of CFs, such as the National Environmental Assessment Reporting System.

*Beth Wittry, MPH, REHS, CP-FS*

Environmental Health officer
CDC National Center for Environmental Health

Beth is an Environmental Health Officer with the CDC National Center for Environmental Health. She has conducted multiple outbreak investigations with Indian Health Service on the Fort Apache Indian Reservation and with the CDC Vessel Sanitation Program on cruise ships. These environmental assessments included review and evaluation of potable water systems, recreational water facilities, food establishments, vector control systems, and infection control practices. In her current CDC role, she works with the Safe Food Section and provides food safety guidance to state and local public health agencies, public health organizations, and industry. In this role, Beth conducts research and supports outbreak surveillance activities to understand environmental factors associated with foodborne illness and outbreaks. The information collected from this research is used to develop food safety prevention and intervention recommendations and to inform food safety policies for environmental public health programs and industry.

Teaser: Come learn about how FDA Retail worked to respond to COVID-19 and provide key information to food regulatory and industry partners. Facing a pandemic of a respiratory virus and not a foodborne illness in Retail calls for a similar, yet different approach. In this session you will hear how FDA’s Retail Program responded to the crisis to help regulators, industry, and consumers in a time of evolving science.

Glenda Lewis
Director of Retail Food Protection
FDA’s Center for Food Safety and Applied Nutrition (CFSAN), Office of Food Safety

Glenda is currently the Director of the Retail Food Protection Staff in FDA’s Center for Food Safety and Applied Nutrition (CFSAN), Office of Food Safety, and has been at FDA since December 1996, serving first as a team member for 5 years then as Retail Food Policy Team Leader for 14 years immediately prior to her serving in her current post. As Director, she has oversight of the Retail Food Policy Team and the Interstate Travel Program guiding the respective leads for each program. In this capacity, she leads the division in the development of national retail food policy and policy for the Interstate Travel Program. She has a Bachelor of Science in Biology from Spelman College, Atlanta, Georgia and a Master of Science in Public Health from the University of North Carolina at Chapel Hill.

The Environmental Health Profession: Changing Roles and Responsibilities Plenary Session

Teaser: The Environmental Health Professional is facing challenges never experienced. The professional has evolved from a sanitation inspector to a public health professional that ensures retail space, homes, private industry and public spaces are safe from environmental threats such as the Corona virus. This session will highlight the emerging roles for the environmental health profession from three public sector experts who will discuss these changes at the local level, the state and internationally. Participants will learn: how the profession has grown from inspections to comprehensive responses to environmental health threats; what pressures the profession is facing during the COVID-19 pandemic; and what the profession should expect in the future.
Thomas (Tom) J. Butts, MSc.
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Tri-County Health Department

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Doug Farquhar, J.D.
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Toni Hannelly, DPH, FEHA, FHEA
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Toni has been the coordinator of Environmental Health at Curtin University in Perth, Western Australia for the last 15 years. She also teaches undergraduate health and safety students and her areas of research are work integrated learning and air quality. She is currently involved in a 5-year research project investigating the effects of industrial emissions on ancient aboriginal rock art.
Palak Raval-Nelson, PhD, MPH
Director of Environmental Health Services
Philadelphia Department of Public Health

Palak is the Director of Environmental Health Services for the Philadelphia Department of Public Health. In her role as Director, Palak is responsible for the Environmental Engineering, Vector Control, Lead & Healthy Homes and Food Protection programs. She has been working for the Philadelphia Department of Public Health since 1996 and began her career as a Sanitarian. Palak also serves as adjunct faculty at Drexel University’s School of Public Health and Temple University. She teaches Environmental and Occupational Health, as well as vulnerable populations and the environment. She has presented many papers at NEHA, PPHA and APHA and has had several publications in the National Journal of Environmental Health. In 2008, she had her first book published: Breast Cancer Politics: An Evaluation of the Current Funding Policies. She has also graduated from the Centers for Disease Control and Prevention’s Environmental Public Health Leadership Institute. Palak has her BS in Biology from Temple University and her MPH from MCP Hahnemann University graduating with the distinguished Hiega Society Award and her Ph.D. in Environmental Health and Policy from Drexel University. This year she was inducted into the Delta Omega National Public Health Honor Society. She was recognized in 2006 by the Society of Women Environmental Professionals as an outstanding woman environmental professional for the Delaware Valley. Palak was nominated and received the AFDO Achievement award as a newly employed Sanitarian in the San Antonio, Texas, at the 1999 Conference. When she is not working, she is busy raising her three children Shane, Shon and Shivani.

FDA & NEHA: Entering a New Era of Smarter Food Safety, Together
Plenary Session

Teaser: NEHA members have always been on the frontlines of the nation’s public health response, including the current COVID-19 pandemic. When we emerge from this crisis, stronger than ever, FDA and NEHA will work to protect consumers in new ways by creating a more digital, traceable, and safer food system. At long last, and together, we will bend the curve of foodborne illness in this country.

Frank Yiannas
Deputy Commissioner for Food Policy and Response
Food and Drug Administration

Frank is the Deputy Commissioner for Food Policy and Response at the U.S. Food and Drug Administration. He is the principal advisor to the FDA Commissioner on food safety policies, including implementation of the FDA Food Safety Modernization Act. His leadership role covers a broad spectrum, such as outbreak response, traceback investigations, product recall activities, and supply chain innovation. Mr. Yiannas came to the FDA from leadership roles with Walmart and the Walt Disney Company. He has long been recognized for his role in
elevating food safety standards and building food safety management systems based on science and risk.

Wednesday, August 19, 2020
Food Safety Track

Welcome Message
Plenary Session

Sandra Long
President
National Environmental Health Association

Sandra is the Environmental Health Manager for the Town of Addison, Texas. Prior to hiring with the Town of Addison she was Environmental Health Supervisor for the City of Plano Environmental Health & Sustainability Department, and Director of Environmental Health for the City of The Colony, Texas. Ms. Long is a graduate of Texas Woman’s University with a Bachelors of Science Degree. Her graduate work was with the University of North Texas. Ms. Long is a Professional Sanitarian in the State of Texas and holds Registered Environmental Health Specialist/Registered Sanitarian and Certified Professional – Food Safety credentials with the National Environmental Health Association. She is a Certified Foodservice Manager Instructor & Proctor for Prometric and a Food Code Standardization Trainer through the Texas Department of State Health Services. In addition to over 30 years of experience in food safety and inspections, other experience includes water and wastewater monitoring and testing, epidemiology, emergency preparedness, plan review, building inspections, code enforcement and animal services. Sandra has been an active member of Texas Environmental Health Association (TEHA) since 1994, served on the TEHA state governing council and is a past president of the Association (2006). She has been responsible for Proclamations providing recognition from the State of Texas for Professional Sanitarians and Environmental Health Specialists. Sandra is an active member of the National Environmental Health Association (NEHA) since 1994 and is currently serving NEHA President. She has served a practitioner on the National Environmental Health Science & Protection Accreditation Council and on the Sanitarian Advisory Committee to the State of Texas as presiding officer from 2002 to 2010.

Time Since Launch: Progression and Growth of the Private Water Network

Teaser: This presentation will focus on the launch and initial expansion of the Private Water Network, and its partnerships, resources, and tools that have been and are being developed to integrate environmental public health. The Private Water Network (PWN) is a community of professionals and specialists working to protect the public’s health from contaminants in private drinking water sources. Through a partnership between the Centers for Disease Control and Prevention (CDC), National Environmental health Association (NEHA), and the National Network of Public Health Institutes (NNPHI),
the PWN was established to fill that void. Private water systems have a unique set of challenges that can be costly and time-consuming to overcome. The Network serves as a way to strengthen partnerships by allowing stakeholders to (1) connect with peers, (2) share experiences, ideas, and resources, (3) access timely and relevant guidance for existing and emerging issues, and (4) build capacity to do the work more efficiently and effectively, on a singular platform to create clearinghouse of resources and information as it relates to private drinking water sources.

Reem Tariq, MSEH
Project Coordinator
National Environmental Health Association

Reem is a Project Coordinator for the Department of Programs and Partnership Development at the National Environmental Health Association. Reem’s work at NEHA is primarily focused on developing and maintaining projects in private water, environmental public health tracking and academic outreach. Prior to NEHA, she worked as an Environmental Health Specialist Trainee at Division of Environmental Health at Benton County Health Services. At Benton County Health Department, she played an active role in communicable disease outbreak & rabies investigations, maintenance & monitoring of public water system surveys, and public health preparedness planning. She received her Master of Science in Environmental Health from East Tennessee State University, in addition to her Bachelor of Science in Genetics and Cell Biology from Washington State University.

Developing Regulations for Rainwater Harvesting

Teaser: A discussion of the challenges applicable to the development of a regulation addressing the use of harvested rainwater for human consumption; including management of drought issues, application of water quality standards, operation and maintenance considerations, and distrust of the concept among environmental health professionals.

Anthony Creech, REHS
Environmental Technical Programs Manager
Virginia Department of Health, Division of Water and Wastewater Services

Anthony is a professional geologist with the Virginia Department of Health Office of Environmental Health Services, where he serves as Environmental Technical Programs Manager focusing on private wells and onsite sewage programs. He has over three decades experience in environmental hydrogeologic services in Virginia. Among his responsibilities, he is currently managing Virginia’s development of Rainwater Harvesting regulations.
Legionella in Healthcare Settings

Teaser: With the rapid rise in legionella outbreak investigations in health care and the introduction of requirements for creating water management plans in health care facilities by CMS, state and local Health Departments are leading environmental health investigations and making compliance determinations. This presentation will support environmental health professionals’ efforts to lead legionella outbreak investigations and consistently assess the sufficiency of the water management plans and practices in a health care setting. Topics covered include, how to evaluate water systems, control/prevent the amplification of hazards, the implementation a water management program and the practices used to support the prevention of disease and injury from Legionella and other waterborne pathogens in hospitals and health care facilities.

Chris Boyd
General Manager
NSF International

Andrew Ward
Technical Manger
NSF International, Water Systems- Building Water Health

Factors Affecting Bacterial Occurrence and Variability in Private Drinking Water Wells

Teaser: Coliform bacteria and E. coli are among the most common water quality tests conducted on private water well sources to determine the overall potability of drinking water. We conducted several research projects to document the importance of geology, land use, well construction, weather conditions, and sampling protocols to the occurrence of total coliform and E. coli bacteria in private water wells. Results from this research found that bacterial contamination is highly variable and responsive to many factors suggesting that caution should be used when interpreting results from a single bacteria sample from a private water well source.
Bryan Swistock
Water Resources Extension Specialist
Penn State University, Department of Ecosystem Science and Management

Bryan is a Water Resources Extension Specialist in the College of Agricultural Sciences, Department of Ecosystem Science and Management at Penn State University. He received a bachelor’s degree in Environmental Health from Indiana University of Pennsylvania and a master’s degree in Environmental Pollution Control from Penn State University. For the past 32 years he has conducted research, teaching and extension programs on emerging water resources issues throughout Pennsylvania.

Emerging Issues in Water Quality & Public Health

Teaser: Several emerging issues in water quality for public health were identified by environmental health (EH) practitioners through UNCOVER-EH. In this presentation, Dr. Brooks examines several timely and emerging water quality challenges facing the EH profession: per- and poly-fluoroalkyl substances (PFAS), inland harmful algal blooms and antibiotic resistance. Attendees should gain a better understanding of recent horizon scanning efforts, including UNCOVER-EH, and contemporary water quality issues for EH professionals.

Bryan Brooks, PhD, MS
Distinguished Professor, Environmental Science and Biomedical Studies
Baylor University

Bryan serves as a Distinguished Professor in Environmental Science and Biomedical Studies at the Baylor University. Dr. Brooks and his students focus current research on water quality and water reuse, comparative toxicology and pharmacology, applied ecology, sustainable molecular design, developing approaches to define risks of contaminants of historical and emerging concern, natural resource extraction and the ecology and toxicology of harmful algae blooms. This research contributes to developing science-based approaches to identify, diagnose and manage complex environment and health issues.

PFAS: A Historical Perspective and Overview of Best Available Treatment Methods

Teaser: In this overview presentation, we present information regarding the origin of PFAS compounds, a brief history of how they came to be a recognized health risk, and the current best practices for removing them from our potable water supplies. The first fluoropolymers were invented in the 1930’s and found wide commercial acceptance as nonstick coatings for cookware. Both PFOA and PFOS were invented shortly thereafter with the first commercial uses being fire retardant foams and water repellents for
fabrics. Since then, many other commercial uses have been found for PFAS compounds. Per- and polyfluoroalkyl compounds, commonly known as PFAS, are a large family of synthetic chemicals that are recognized as emerging contaminants. PFAS are found in a wide range of products we use every day, including fire retardants, water repellents, car waxes, and even food packaging. The two most studied and produced compounds are PFOA and PFOS, but quite a few other PFAS compounds have been identified as problematic. As a group, PFAS compounds do not biodegrade but do bioaccumulate. They are water soluble and very mobile. They are found in groundwaters near landfills, airports, military bases, car washes, and various manufacturing sites. Although some are not especially dangerous, others have been shown to cause serious health issues.

Peter Meyers
Technical Director
Resin Tech, Inc.

Peter is Technical Director for ResinTech Inc., of West Berlin, N.J. ResinTech is an ion exchange resin manufacturer and, through its two divisions Aries and ACM Company, also offers activated carbon, inorganic selective exchangers, cartridge filters and PEDI regeneration services. Mr. Meyers has more than 45 years of experience covering a wide range of ion exchange applications from demineralizers, polishers, and softeners to industrial process design and operation.

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