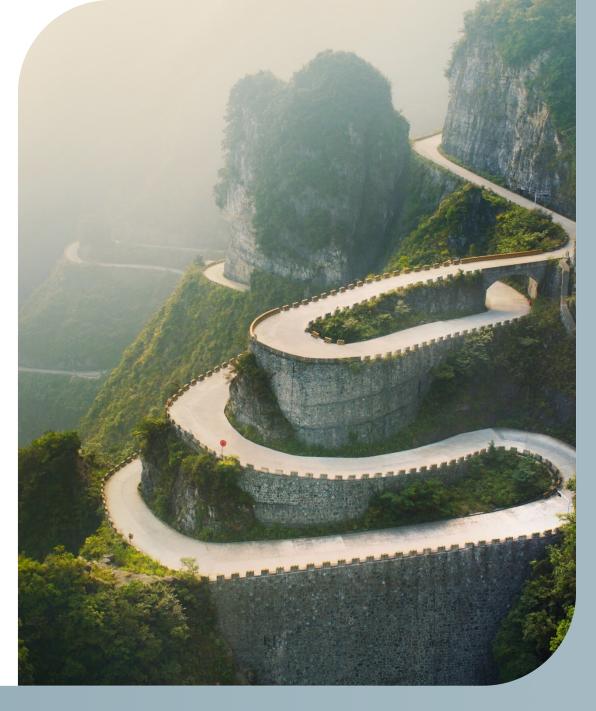


Building, Supporting, & Empowering the Environmental Public Health Workforce

Tom Butts, MSc, REHS

President





New Mission Anchored in Past & Future

To build, sustain and empower an effective environmental health workforce.











New Vision Reflects New Era

Healthy Environments.

Protected Communities.

Empowered Professionals.











We Support Emerging Professionals

- Leadership Program
- Internships
- Scholarships





Environmental Health Leadership Academy

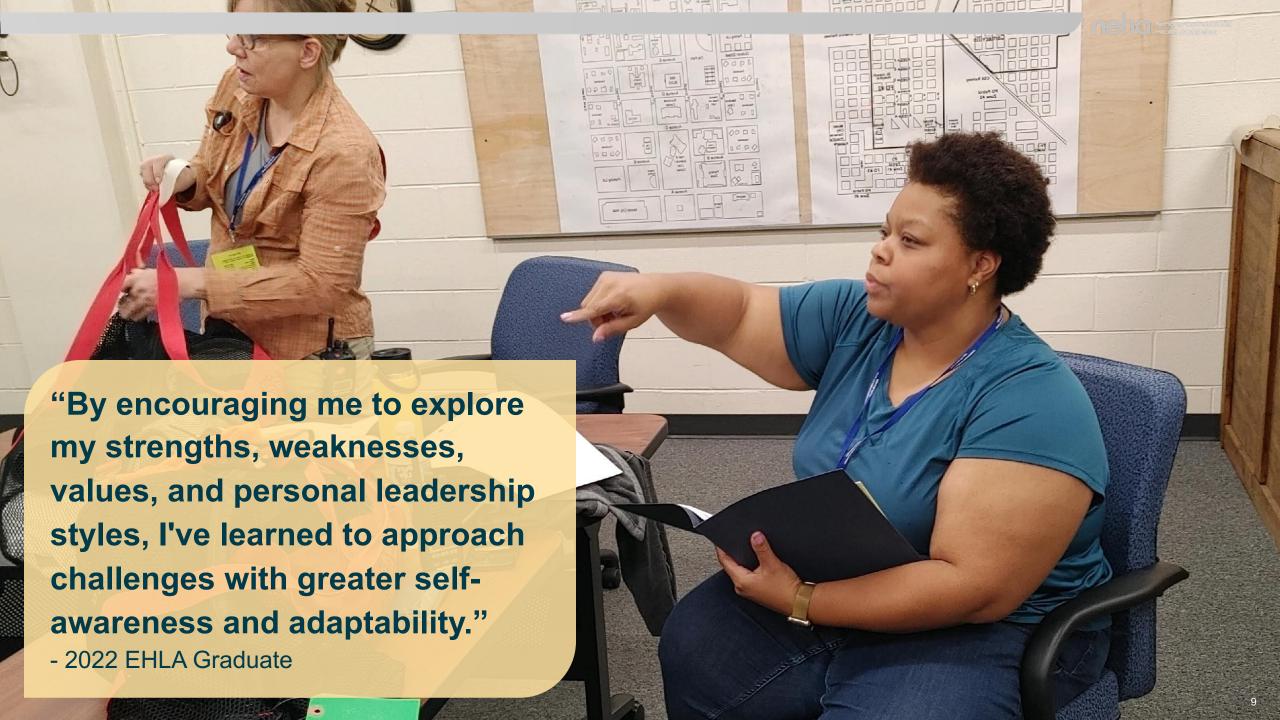




Training Modules

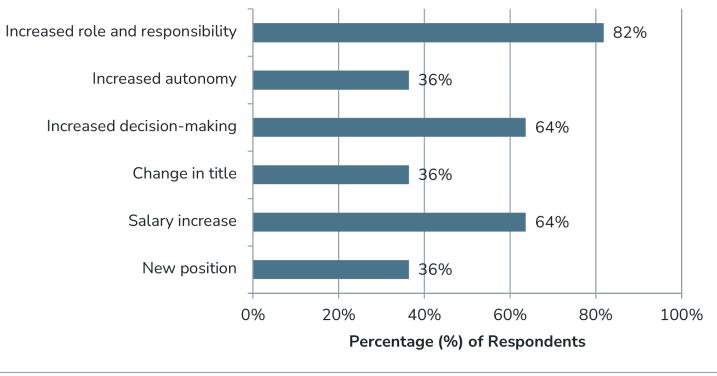
- Managing You
- Assessing Environmental Health Risks
- Communications Skills
- Strengthen, Support, and Mobilize Communities and Partnerships to Ensure Equity
- Environmental Health Interventions
- Emergency Management
- Build and Maintain a Strong Organizational Infrastructure
- Improve and Innovate through Evaluation, Research, and Quality Improvement
- Building a Diverse and Skilled Workforce
- Performance Management

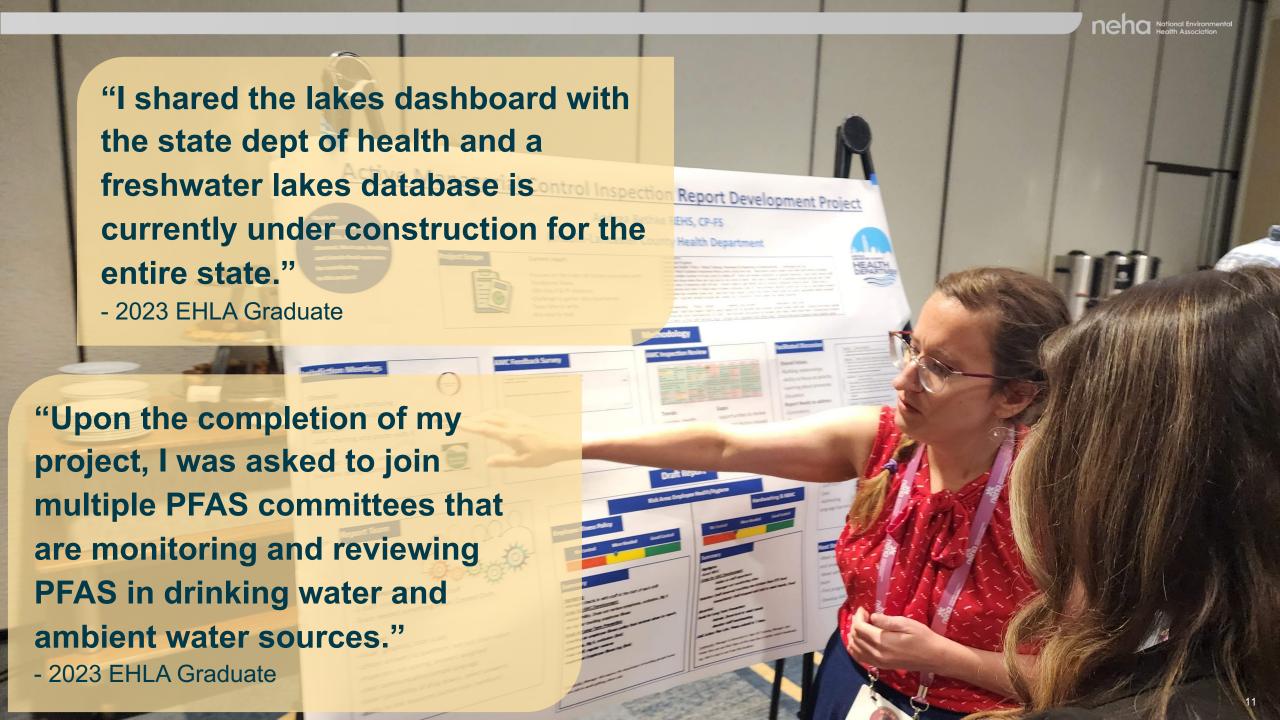




















National Environmental Public Health Internship Program



Intern U.S. Home Locations











"This internship gave me some of the experience to work amongst other professionals in the field and be able to thrive."

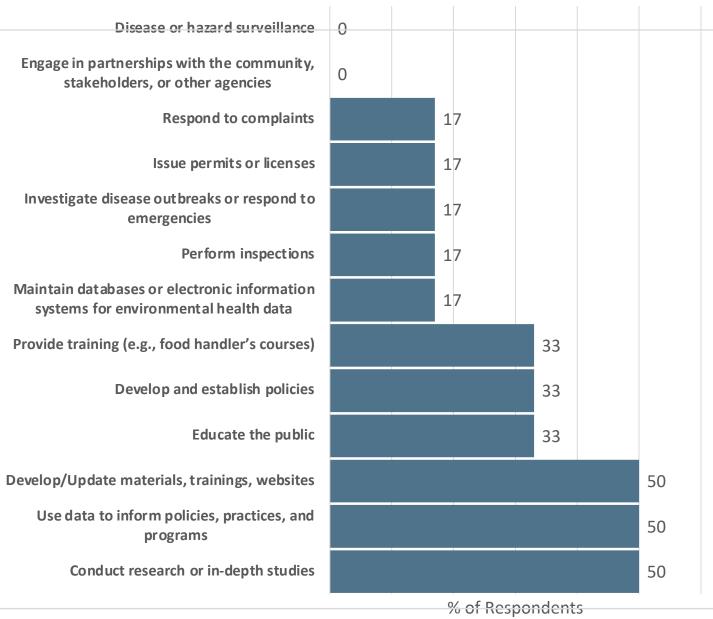
- NEPHIP participant

"I gained wonderful experience in a field of in environmental health that I wouldn't have gotten anywhere else."

- NEPHIP participant



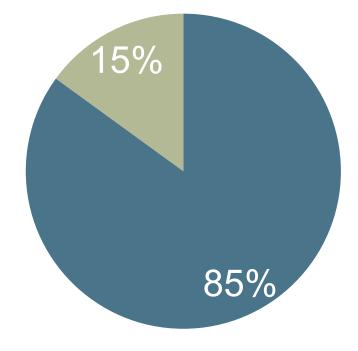








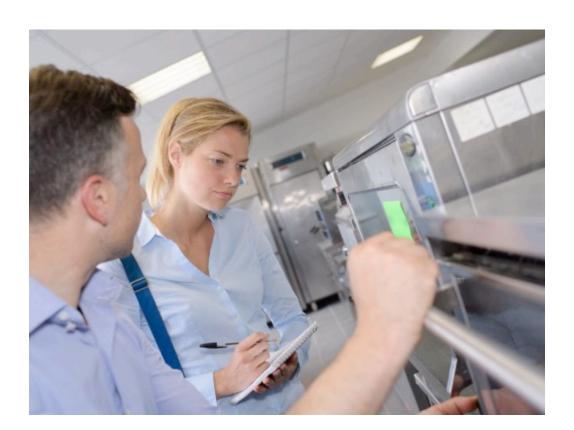
85% of host sites consider participants as viable employee candidates





Environmental Public Health is Profoundly Local

- •In some cases "is" the LHD
- Vector Control
- Drinking Water
- Retail Food
- Housing
- Schools
- •Spas/Pools
- Onsite Wastewater
- Hazmat
- Body Art
- Cannabis
- Animal Control
- and many more...





New Interest in Water, Wastewater, Biosolids

HEALTH

Wastewater surveillance could be a new way to track trends for illnesses like COVID

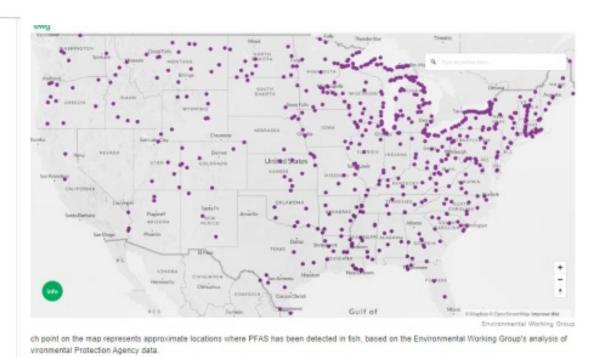
April 22, 2023 · 8:00 AM ET Heard on Weekend Edition Saturday





Public health officials say wastewater surveillance could help them track trends for many kinds of diseases - from COVID to polio - but only if they can keep the testing system going.

Sponsor Message



Locally caught fish are full of dangerous chemicals called PFAS, study finds



New Era for EH & EPR – Fire & Heat (and Air)





CDC sets first target for indoor air ventilation to prevent spread of Covid-19

by Brenda Goodman
Published 5:51 PM EDT, Fri May 12, 2023



Al Bello/Getty Images/FILE

The CDC recommends using MERV-13 air filters in HVAC systems, if

(CNN) — The US Centers for Disease Control and Prevention has extensively updated its ventilation guidance on helping prevent indoor transmission of the virus that causes Covid-19.



Continued Focus on Being Data Driven



Data Modernization Initiative

Data saves lives. Better data saves more lives.

Print



"At CDC and throughout public health, we are in a pivotal moment for data and surveillance — one marked by opportunities, challenges, and the need for change."

Dr. Rochelle P. Walensky, CDC Director

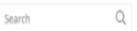
The ultimate goal of CDC's Data Modernization Initiative (DMI) is to get better, faster, actionable insights for decision-making at all levels of public health.

Our vision is to create one public health community that can engage robustly with healthcare, communicate meaningfully with the public, improve health equity, and have the means to protect and promote health.



New Era for Artificial Intelligence





Genomics and Precision Health

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Office of Genomics &

Precision Public Health

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Artificial Intelligence in Medicine and Public Health: Prospects and Challenges Beyond the Pandemic

March 1, 2022 by Danielle Rasooly, Muin J. Khoury, Office of Genomics and Precision Public Health, Centers for Disease Control and Prevention, Atlanta, Georgia

Though still in its infancy as a field, <u>artificial intelligence</u> (AI) is poised to transform the practice of medicine and the delivery of healthcare. Powered by breakthroughs in <u>machine learning</u> (ML) algorithms, enhanced computing power, and increasing data



▶ ENVIRONMENTAL HEALTH ACROSS THE GLOBE

Artificial Intelligence and Environmental Health Teaching: Impacts for the Wider Profession

Editor's Note: We are familiar with the phrase, "Environmental health is extremely local." While environmental health affects most of us on the local level, we also understand that environmental health is universal and does not know borders. The location, geography, people, and conditions can differ but the science and principles of environmental health do not. In this new column, the National Environmental Health Association (NEHA) will present environmental health issues and topics from a global perspective. Understanding environmental health on a global scale can help us recognize

Kirstin E. Ross, PhD Flinders University

Adam Choonara, MSc, CEnvH, MCIEH Middlesex University

> David T. Dyjack, DrPH, CIH National Environmental Health Association

Gayle Davis, MPH, MIOA, SFHEA Henry Dawson, MSc, PhD University of Cardiff

Toni Hannelly, DPH, FEHA, FHEA Curtin University

Zena Lynch, MA, FCIEH, CMCIEH, SFHEA Birmingham University

> Inga Ploomipuu, MSc Tartu Health Care College

Graeme Mitchell, MA, MCIEH, CEnvH Liverpool John Moores University

> Matilde A Rodrigues, PhD Lindeau Shaw, MSc, MCIEH



We Elevate Best Practices

- Dr. Walker Diversity & Inclusion Award
- Policy Statements
- Credentialing Mapping

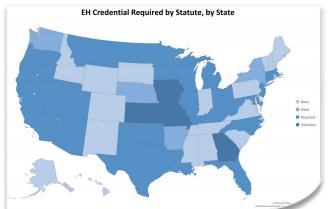


Bailus Walker Jr.

Diversity and

Inclusion

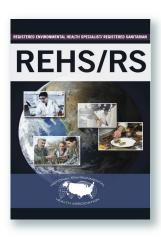
Awareness Award

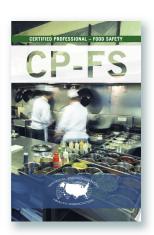




We Support Professionals & Communities

- Credentialing
- Continuing Education
- State Exams
- Pass-through funding
- Advocacy
 - Hill Day
 - Policy Statements









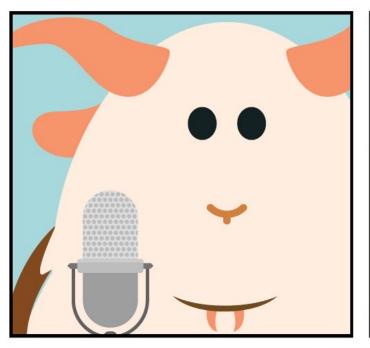
The Cultural Climate Change Impact on Alaskan Native Communities



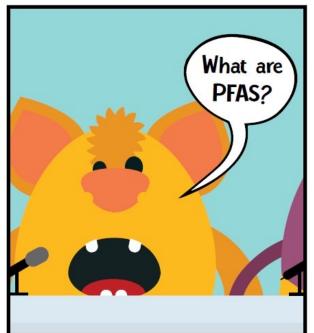


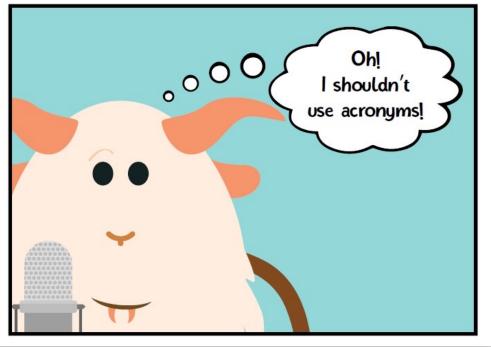


Raising the Visibility of Environmental Public Health









Templates

- Editorial promoting EH
- Letter to the editor promoting EH
- Environmental Health fact sheet

How to:

- Select motivational EH images
- Simplify your EH message
- Talk to decision makers
- Talk to the media
- Write a policy brief
- Write a proclamation

Environmental Public Health

The career for our future.

Environmental Public Health is the science and practice of preventing human injury and illness and promoting well-being by identifying, evaluating, and limiting exposure to environmental health risks including physical, chemical, and biological agents in air, water, soil, food, and other settings that may harm human health.

Water Pumps to Bioterrorism

A very brief history of the environmental public health profession.

5th Century BC	The Hippocratic Corpus: Considering the possibility that disease was associated with environmental factors or imbalances in diet or personal behaviors.
1400s	Use of quarantine in response to Black Death in Europe.
1700s	"Plague doctors" use protective equipment (including hood and mask) to protect themselves from the spread of plague.
1800s	John Snow publishes "On the Mode of Communication of Cholera" and professionals begin to see link between disease and environment.
1900s	Legislation requiring coordination of state and national public health activities. US Public Health Service authorized to investigate human diseases, sanitation, water supplies, and sewage disposal.
2000s	Emergency response and recovery becomes key environmental health role, particularly impacts of climate change on health.

Growth & New Challenges

Growth in the workforce is required to meet current and future needs.



5% Projected Employment GROWTH



7,800 job openings projected ANNUALLY



Recognized for CLIMATE CHANGE disaster preparedness response & recovery

Broad Skillset

Roles take advantage of a broad skillset and knowledge.



Communication



Critical Thinking



Investigation



Decision-Making



Science

Variety

Work ranges from desk work to disasters.

- · Work indoors or outdoors
- Stay local, or travel regionally, nationally, or even internationally
- Focus on the technical science or work in the community, or both
- Advance to leadership roles or to a specialty expertise
- Work for yourself, the government, or a private compar
- government, or a private company

 Work in your community or across
- Work in your community or across the world

Lifetime of Purpose

The career is a lifetime helping to assure a healthy life for all.

- Keep the most vulnerable safe from environmental risks
- Help communities prepare for the impacts of climate change
- Create equitable environments where all people can thrive



Templates

- Outreach email
- Environmental Public Health 101 PowerPoint
- Environmental Health fact sheet
- Sample organizations to contact (e.g. Girl Scouts, 4H, schools etc.)

How to:

- Identify organizations contact
- Add annual outreach to job roles





- Better known as "Tattoo Bodyguard"
- Making sure your tattoo is safe one ink bottle at a time
- I am environmental public health





- Better known as "Tattoo Bodyguard"
- Making sure your tattoo is safe one ink bottle at a time
- I am environmental public health

neha.org/swipe-right





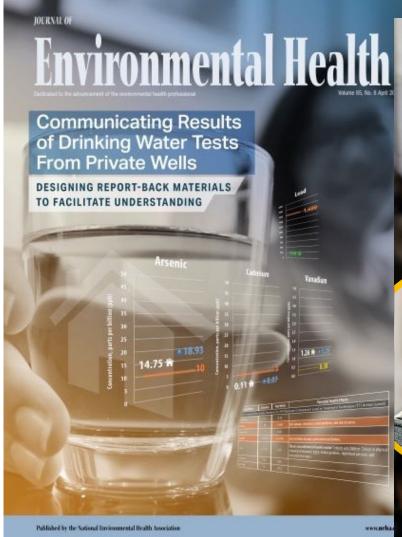
National Environmental Health Association

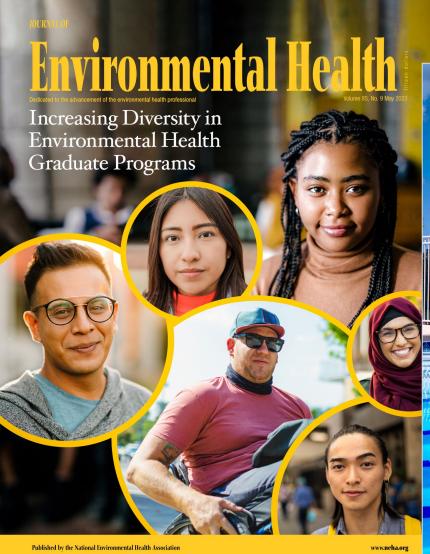


- A self-proclaimed "Disease Detective"
- Prevents illnesses on the daily
- I am environmental public health

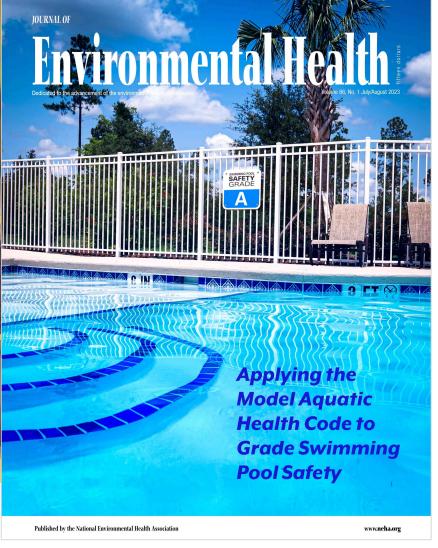
Nearly 3.5 million impressions!

- They call me the "H2O Hero"
- You can find me identifying hazards in our local water systems
- I am environmental public health





NOW Open Source





Retail Flexible Funding Model Cooperative Agreement

- Year 2 Grants ran from Jan 1-Dec 31, 2023
- 477 total grants were awarded across all grant categories worth approximately \$7.5M
- SLTT Unique Jurisdictions Receiving Funding:
 - 31 State
 - 193 Local
 - 3 Tribal
 - 3 Territorial





We Strengthen Retail Food Safety

Keys to Optimal Retail Food Safety



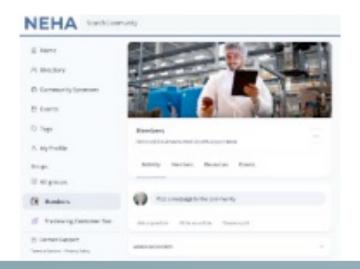


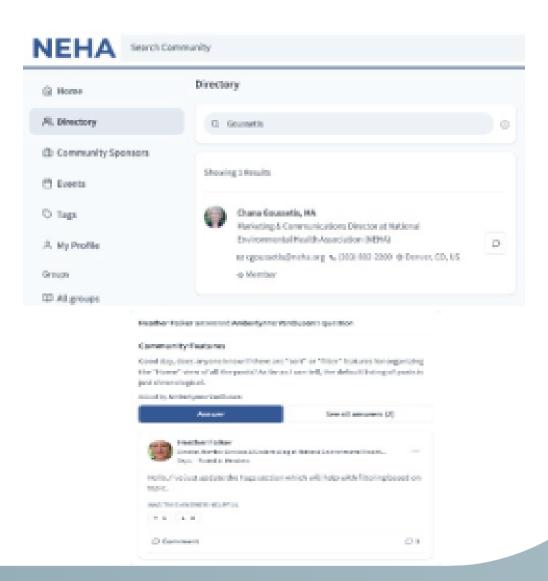
NEHA represents 7,000 members, 6,000 credential holders, and professionals in every state, DC and US territories. We provide 250+ food safety resources and courses and a directory of 150 food safety instructors. We publish the Journal of Environmental Health.



We Create Space for Community

- NEHA Community
 - Online platform
 - Members only
 - Directory, events, workgroups
 - Exchange ideas & advice
 - Build collaboration & camaraderie







Register today

for the NEHA 2024 Annual Educational Conference and Exhibition!

- More than 250 Sessions
- Topics from air quality to vector, and everything in between
- Fulfill your annual continuing education credits in three days
- Network with professionals in your field
- Explore the vibrant city of Pittsburgh or learn virtually at home

neha.org/aec



Pittsburgh, PA July 15–18, 2024

