



PFAS WORKSHOP FOR PUBLIC WATER AND WASTEWATER SYSTEMS DRAFT* AGENDA

(* Subject to minor adjustments prior to the event)

DATE: MAY 19, 2022
TIME: 9:00 AM – 4:30 PM CT
LOCATION: OSU TULSA CAMPUS, NORTH HALL, ROOM 150 AUDIENCE:
Wastewater and drinking water system
operators, environmental managers, public
health officials, compliance staff, remediation
specialists, anyone dealing with PFAS.

PRESENTERS:

Ms. Keima Kona Borsuah
Dr. Ken Ede, PhD, CHMM
Dr. Jimmie Weaver

Ms. Shellie Chard

Dr. Audra Liggenstoffer, PhD
Mr. Donald Shandy
Mr. Danny Chance
Mr. Frank Marine
Mr. Andrew Pawlisz, D.A.B.T
Mr. Reed Meriwether, P.E.

AFFILIATION:

OSU Extension, Stillwater, OK
OSU, Tulsa, OK
OSU, Department of Chemistry, and Weaver
Labs, Stillwater, OK
Oklahoma Department of Environmental
Quality, OK City, OK
American Airlines, Tulsa, OK
Crowe & Dunlevy, Oklahoma City, OK
Accurate Laboratories, Stillwater, OK
Texas Molecular, Conroe, TX
Trihydro Corporation, Tulsa, OK
Trihydro Corporation, Tulsa, OK

DRAFT AGENDA:

9:00-9:10 AM – INTRODUCTION – KEIMA KONA BORSUAH, OSU EXTENSION

- Workshop overview and introductions
- Grant objectives

9:10-9:25 AM – OPENING REMARKS – DR. KENNETH EDE, OSU



**9:25-10:25 AM – INDUSTRIAL PRE -TREATMENT – DR. KENNETH EDE, OSU,
DR. AUDRA LIGGENSTOFFER, AMERICAN AIRLINES**

- Sources of PFAS in wastewater
- Fate of PFAS in wastewater treatment plants (WWTP)
- Industrial pre-treatment process design
- Options of assessing and managing PFAS in industrial wastewater
- Challenges and practical applications

10:25-10:45 AM – BREAK 1

**10:45 – 11:15 AM DEQ PERSPECTIVE ON PFAS IN PUBLIC WATER
SYSTEMS/WASTEWATER – SHELLIE CHARD, WATER QUALITY DIVISION
DIRECTOR, DEQ**

- Beginning of Environmental Regulatory Activity
- Original Lack of EPA Test Methods and Complexity of Sampling Protocols
- Standard Setting
- Implementation of Regulations and Standards
- Possible Drinking Water and Wastewater Standards
 - Number and Sizes of Water Systems in OK
- Vetting of Disposal Options for PFAS Waste or Contaminated Media
 - High Concentration/High Volume PFAS Waste vs. Normal Waste
- DEQ Legislative Request - CERCLA vs RCRA approach
- Q&A

**11:15-11:45 AM – A CHEMICAL PERSPECTIVE OF PFAS – JIMMIE WEAVER,
OSU, WEAVER LABS**

- The remarkable effects of fluorine
- Remediation challenges
- Potential treatments
- Weaver Labs recent developments



- Q&A

**11:45 – 12:15 PM – LEGAL ASPECTS OF PFAS – DONALD SHANDY,
CROWE&DUNLEVY**

- Environmental Regulatory Activity/Legal Issues
- Q&A

12:15-1:15 PM – LUNCH BREAK

**1:15-2:15 PM – UPDATES ON PFAS IN PUBLIC WATER SYSTEMS AND
WASTEWATER – ANDREW PAWLISZ & REED MERIWETHER, TRIHYDRO**

- Health aspects of PFAS in water
- Regulations
- Potable water treatment
- Wastewater treatment
- Future developments
- Q&A

2:15-2:35 PM – BREAK 2

**2:35-3:05 PM – ANALYTICAL METHODS – DANNY CHANCE, ACCURATE
LABORATORIES**

- PFAS Sample Collection
 - PFAS Methods Overview
- PFAS Sampling
 - Sampler Contamination
 - Sampling Equipment
 - Containers and Preservation
 - Field QC
- Q&A



OKLAHOMA COOPERATIVE
EXTENSION SERVICE

3:05-3:35 PM – DISPOSAL TECHNOLOGIES – FRANK MARINE, TEXAS

MOLECULAR

- Disposal methods
- Applications
- Q&A

3:35-4:05 PM – ROUNDTABLE DISCUSSION

**4:05-4:15 PM – RECAP AND CLOSING – KEIMA KONA BORSUAH, OSU
EXTENSION**