**W3170 Annual Meeting Program Agenda**

**Host:** Gregory Evanylo,School of Plant and Environmental Sciences, Virginia Tech

**Venue:** USDA-ARS Facility, Beltsville, MD

June 23-25, 2019

**Sunday, June 23**

**3:30-5:00 PM: *Business Meeting***

**Location:** ***Holiday Inn-College Park (HI-CP), MD***

1. Introductions
2. Annual report updates
3. Status of W4170 project proposal, future W4170 leadership and other business
4. Discuss venue for 2020 and 2021

Tacoma, WA

Seattle, WA

Other?

1. Finalize presentations for Monday-Tuesday

**Monday June 24**

**W3170- 2019 Technical Meeting- Day 1**

**Location:** USDA-ARS Facility, Beltsville, MD

Leave the hotel at 8:00 AM (5-min shuttle drive, 10-min walk)

Meeting starts at 8:30 AM in Building 005, Conference Room 21(prior to this security passes need to be obtained from Building 003)

***\*\*Unless specified each talk 15- 20 minutes* with discussions**

**8:30 AM-10:15 PM:**

***PFAS (PFOA, PFOS, etc.) in biosolids and other updates***

***(15-20 min for each presentation)***

Highlights on PFAS and Waste-based Products Targeted for Land-Application\*\* Linda Lee, Purdue Uni.

PFAS research updates Edward Beecher, NEBRA

PFAS research updates: Studies on defluorination Hui Li, Michigan State University

Future needs and Discussion All

*15 min break*

**10:30- Noon**

***Risks from Biosolids-borne or other residue-borne organic and inorganic compounds***

***(15-20 min for each presentation)***

Insight into the Distribution of Pharmaceuticals and Personal Care Products in Soil-Water-Plant Systems Hui Lee, Michigan State University

Communicating risk of PCPPs from biosolids in reference to daily home exposure

Sally Brown, University of Washington

Response to Issues Raised in the USEPA Office of Inspector General Report on Unregulated Pollutants in Biosolids, November 15, 2018:

Response to “Antibiotics” and “Pathogen” Issues Ian Pepper, University of Arizona

Response to “metals” and “other trace elements” Issues Nick Basta, The Ohio State University

Discussion

**Noon-1:30 PM: *Lunch***

**1:30 PM-5:00 PM:**

***Risks from Biosolids-borne or other residue-borne organic and inorganic compounds (Cont.)***

***(15-20 min for each presentation)***

Progress on developing and evaluating in vitro and novel in vivo methods\*\* Nick Basta, The Ohio State Uni.

Emerging contaminants issues Carolyn Acheson, EPA

Virginia Department of Health Study Robert Crockett, Virginia Department of Health

Biosolids Odors: Processing Effects and Predictive Modeling

Herschel Elliott, Penn State Uni.

Updates from Kentucky Elisa D’Angelo, University of Kentucky

Updates from MWRDGC Guanglong Tian

Water Quality Issues of the New York Harbor Estuary Kirill Kostyanovsky, New Agronomics, Brooklyn, NY

**5:30- 7:30**

**Reception and Dinner (Optional)**

The Virginia Biosolids Council (VBC) will be sponsoring a reception at Franklin’s, a brewpub in Hyattsville (<http://www.franklinsbrewery.com/>).

**Tuesday, June 25**

**W3170- 2019 Technical Meeting- Day 2**

**Location: USDA-ARS Facility, Beltsville, MD**

Leave the hotel at 8:00 AM

Meeting starts at 8:30 AM, Building 005, Conference Room 21

**8:30 AM-10:15 AM:**

***Beneficial reuse of biosolids, other waste and coproducts***

Soil Management Assessment Framework Jim Ippolito, Colorado State Uni.

Use of EQ Biosolids for Urban Soil Vegetation Greg Evanylo, Virginia Tech

Effects of iron (Fe) in biosolids on greenhouse gas (CO2, N2O, CH4) emissions

Mike Badzmierowski, Virginia Tech

Microbial community structure in soils amended with Biosolids containing different concentrations of Fe Brian Badgley, Virginia Tech

Resource recovery from Wastewater Ganga Hettiarachchi, Kansas State University

*15 min. break*

***10:30 AM -12:00 PM:***

Updates from Minnesota Carl Rosen, Persephone Ma, University of Minnesota

Updates from Florida Maria Sylveira, University of Florida

Updates on legislative and regulatory issues ongoing in California with respect to biosolids and climate change Greg Kester, CASA

Research Needs: by Regional Biosolids Associations (10 min each)

* 11:30AM               Edward Beecher, NEBRA
* 11:40AM               William Toffey, Mid-Atlantic Biosolids
* 11:50 AM

Discussion

Noon: *Adjourn Meeting*

**The Blue Plains tour (Optional)**

(Chris Peot of DC Water will provide a van to transport people to and from the WWTP on Tuesday afternoon)