**W3170 Annual Meeting Program Agenda and Minutes**

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

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

June 23-25, 2019

**Participant list:**

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**Sunday, June 23**

**3:30-5:00 PM: *Business Meeting – conducted by Ganga Hettiarachchi (Chair)***

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

1. Introductions – Meeting was brought to order by Chair Ganga Hettiarachchi. Attendees made introductions.
2. Annual report updates

Annual state reports were due in June for the group final report that must be entered no later than August 2019.

1. Status of W4170 project proposal, future W4170 leadership and other business

W4170 proposal has been accepted by the regional review committee. State leaders will shortly receive notification from their Agricultural Experiment Station Director’s office to complete some online work that establishes this project at each university.

Greg Evanylo will serve as interim chair for the new project for the period Oct 1, 2019 to Sep 30, 2020. Maria Silveira (University of Florida) will take over the chair responsibilities on Oct 1, 2020 for the remainder of the 5-year cycle. Ganga Hettiarachchi (current W3170 chair) and Greg Evanylo will provide guidance for Maria.

1. Discuss venue for 2020 and 2021

Sally Brown (University of Washington) has volunteered to serve as host for the 2020 annual meeting. Sally will provide descriptions of the lodging, meeting venue, tour, and food function options available for meetings in Seattle and Tacoma urban areas, from which members will select for a later June meeting location.

Several locations, including Chicago, were discussed for the 2021 meeting, but no decision was made.

1. Finalize presentations for Monday-Tuesday

The technical session agenda was finalized as follows:

**Monday June 24**

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

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

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

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

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

PFAS research updates Edward Beecher, NEBRA

Future needs and Discussion All

*15 min break*

**10:30- Noon**

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

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

Repurposing Penn State’s High Copper Biosolids Herschel Elliott, Penn State Uni.

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.)***

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 Studies Robert Crockett, Virginia Biosolids Council

Updates from Kentucky Elisa D’Angelo, University of Kentucky

Updates from Florida Maria Silveira, University of Florida

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**

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

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

Soil Management Assessment Framework Jim Ippolito, Colorado State Uni.

Phosphorus Release and Availability from Residuals in a Corn and Soybean Field Study

Persephone Ma, University of Minnesota

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*

***10:45 AM -12:00 PM:***

National update to biosolids issues Patrick Dube, Water Environment Federation

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)**