**3170 Annual Meeting Minutes**

Los Angeles, CA

June 11-13, 2017

**Sunday, June 11th**

**3:30-5:00 PM: *Business Meeting (*Location:** The Four Points by Sheraton)

**Business Meeting Participants**

The following is the list of participants:

Nick Basta, Ohio State University, basta.4@osu.edu

Sally Brown, University of Washington, slb@u.washington.edu

Elisa D’Angelo, University of Kentucky, edangelo@uky.edu

Chip Elliot, Penn State University, hae1@engr.psu.edu

Greg Evanylo, Virginia Tech, gevanylo@vt.edu

Ganga Hettiarachchi, Kansas State University, ganga@ksu.edu

Jim Ippolito, Colorado State University, Jim.Ippolito@colostate.edu

Nic Jelinski, University of Minnesota, jeli0026@umn.edu

Greg Kester, California Association of Sanitation Agencies (CASA), gkester@casaweb.org

Jihyun (Rooney) Kim, Purdue University, jrkim@purdue.edu

Persephone Ma, University of Minnesota

George O'Connor, University of Florida, gao@ufl.edu

Ian Pepper, University of Arizona, ipepper@ag.arizona.edu

Maria Silveria, University of Florida, mlas@ufl.edu

Guanglong Tian, Chicago MWRD, TianG@mwrd.org

1. Ganga Hettiarachchi welcomed the attendees and this was followed by brief introduction of each participant.
2. Annual report update was given by Ganga Hettiarachchi.
3. Future Meetings: Group had discussion on this. Guanglong Tian agreed to host the next meeting in Chicago (2018).

2019- Washington DC, West Lafayette, IN, or other

1. Group had discussions on recruiting new members and appointing vice-chair and secretary of the group
2. Jim Ippolito at Colorado State University agreed to serve as vice-chair.
3. Kang Xia at Virginia Tec agreed (06/12/2017) to serve as secretary.

**Annual Meeting Monday June 12th -13th**

Participants (refer to the Participants tab)

**Location: *Environmental Learning Center, Hyperion Water Reclamation Plant, Los Angeles, CA***

Ganga Hettiarachchi welcomed the participants and Tim Dafeta (Assistant Director/Plant Manager) – Hyperion Water Reclamation Plant delivered the Opening Remarks and Welcome.

Selected members and invited speakers presented state reports and other research/issue updates under three selected areas.

***Evaluating Risks from Biosolids-borne or other residue-borne organic and inorganic compounds –*** *Moderated by Ganga Hettiarachchi (Kansas State University)*

*Retention/release characterization of biosolids-borne CIP and AZ and implications for bioavailability issues* George O’Connor, University of Florida

*Impact of manure application technologies on fate of emerging contaminants*

Kang Xia, Virginia Tech

*Evaluations on plant uptake of organics from biosolids-applied to soils and desorption organics from biosolids.*  Jihyun (Rooney) Kim, Purdue University

*Ciprofloxacin desorption kinetics from municipal biosolids determined by diffusive gradient in thin films.*  Elisa D’Angelo, University of Kentucky

*Identifying Endocrine Active Compounds in Sewage Sludge*

Peter Green, UC Davis

*The Role of WWTPs on Enhancing Environmental Antibiotic Resistance: a fresh perspective*

 Ian Pepper, University of Arizona

*Agronomic and environmental aspects of N and P in land-applied biosolids*

Maria Silveira, University of Florida

***Recent PFAS (PFOA, PFOS, etc.) issues and related discussions***

*Impacts on Biosolids Beneficial Use Programs of Ubiquitous PFAS in the Environment, Public Concerns, and Regulatory Drivers* Ned Beecher, NEBRA (30 min.)

*Kern County Litigation summary* Ian Pepper, University of Arizona

Greg Kester, CASA

***Urban soil Restoration***

*Development and use of EQ biosolids products in urban landscapes*

Greg Evanylo, Virginia Tech

*Relationships between biosolids treatment processes and odors*

Herschel A. Elliott, Penn State University

*Stormwater bioretention systems: Performance for nutrient and metal removal*

 Sally Brown, University of Washington

*Household scale soil lead distributions in the Twin Cities*

Nic Jelinski, University of Minnesota

*Fire Reclamation Utilizing Biosolids Project*

*Greg Kester, CASA*

**Tuesday, June 13th**

***Urban soil Restoration (cont.)***

***Beneficial reuse of biosolids, other waste and coproducts* –** *Co-moderated by Karri Ving (SFPUC) and Greg Kester (CASA)*

*The California Bioaccessibility Method (CAB): a tool for assessing soil Arsenic*

Nick Basta, The Ohio State University

*Recap on past- and on-going biosolids research, and future directions of the biosolids program in Colorado* Jim Ippolito, Colorado State University

*Field-based invetigations on stabilization of contaminated military sites through growing biofuel crops and soil amendments*

Ganga Hettiarachchi, Kansas State University

*Biosolids recycling: Emerging opportunities in California and Haiti*

 *Rebecca (Becca) Ryals, University of Hawaii*

*UC Consortium for Drought and Carbon Management*

 Sam Ying, UC Riverside

*Microplastics in effluent and biosolids (myths, truths, and unknowns)*

 Harry Allen, USEPA Region 9

*Update on research projects at Water Environment & Reuse Foundation*

Lola Olabode – WE&RF Program Director

*Co-digestion of food waste at POTWs and Biotransformation of trace organic compounds in activated sludge* Drew McAvoy, University of Cincinnati

*Emerging Contaminants Removal from WWTP Secondary Effluents*

Kang Xia, Virginia Tech

*Discussion and wrap-up*

Noon: *Adjourn Meeting*