



Make a Note

Annual Conference

August 18-20, 2020
Virtual

2020 Meeting Schedule:

July 28, 2020
Virtual

August 12
Agro Expo, St. Johns

September 17
DNR Johnson Center
Cadillac (tentative)

December 10
Bavarian Inn
Frankenmuth
Holiday Party
(tentative)

All meetings begin at 10 a.m.

MBT outreach

Agro-Expo
August 11-12
St. Johns

Contact Steve Mahoney for more details about these events.

Visit our website at:
www.michigan.gov/biosolids

2020 Agro-Expo going forward as planned

Agro-Liquid Fertilizers of St. Johns is moving forward with their plans to host the 2020 Agro-Expo **August 11-12**. The Michigan Biosolids Team is planning to display at this event. This year we were offered a larger plot to do our Biosolids vs. Commercial Fertilizer demonstration. The plot size is now 30 feet by 70 feet. This year Lystek offered us their Exceptional Quality (EQ) liquid material coming from their facility in Fairfield, California. Biosolids were delivered on April 24, 2020 and applied on April 27, 2020. Commercial Fertilizer was applied on May 3, 2020 and the plot was planted on May 3, 2020 as well. Since we have a

larger plot size, twice the size as we had at the MSU Ag Expo, we decided to plant a cover crop on ½ of the Fertilizer side and on ½ to the Biosolids side of the plot. A mixture of oats and clover seed was surface applied on June 25, 2020.

Plot Damage. Also, on June 25, it was discovered that an unknown material was sprayed to a portion of the fertilizer side of the plot. We will move forward. Agro-Expo staff will replant the damaged area.



Exceptional Quality (EQ) Subcommittee Releases Fact Sheets

The Michigan Biosolids Team, EQ Subcommittee completed the development and approval of **Biosolids Facts – Supplement 4: PFAS in Biosolids**. They are available on the MWEA website along with the other Biosolids Information Sheets:

- **Land Application of Biosolids in Michigan: Management Recommendations**
- **Biosolids Facts**

- **Biosolids Facts - Supplement 1: Class A EQ product vs Class B Regulations**
- **Biosolids Facts – Supplement 2: Phosphorus Management**
- **Biosolids Facts – Supplement 3: Protecting Fruit and Vegetable Production**

Locate these documents and other information here:

https://www.mi-wea.org/biosolids_-_land_application.php

MBT Contacts



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Amendments

April 2020

2020 Biosolids Conference

	PRESENTATION TITLE	PRESENTER	PRESENTER ORGANIZATION
Tuesday, August 18th			
12:45 PM	Attendees Join, Welcome, Sponsor Updates		
1:00 PM	W4170 Response to 2018 OIG Report	Dr. Nick Basta	Ohio State University
1:40 PM	ASTM Methods for PFAS in Wastewater Matrices	Dr. Lawrence Zintek	USEPA Region 5
2:20 PM	BREAK		
2:30 PM	One Water, One Team: GLWA's Role in Improving the Water Quality of South Eastern Michigan	Majid Khan	GLWA
3:00 PM	Michigan PFAS Update		EGLE
Wednesday, August 19th			
12:45 PM	Attendees Join, Welcome, Sponsor Updates		
1:00 PM	Crisis Communication in the Instant Information Age	Mike McGill	WaterPIO
1:40 PM	Land Application Field Study II	Ronald Herrmann Carolyn Acheson	US EPA, National Risk Management Research Lab US EPA, National Risk Management Research Lab
2:20 PM	BREAK		
2:30 PM	PFAS Test Results and Evaluations	Dorin Bogdan	AECOM
3:00 PM	PFAS Fate and Plant Uptake from Biosolid-Amended Soils	M Christina Schilling	Purdue University
Thursday, August 20th			
12:45 PM	Attendees Join, Welcome, Sponsor Updates		
1:00 PM	PFAS & Biosolids	Ned Beecher	NEBRA
1:40 PM	EQ Biosolids in Michigan Thumb	Jort Hopman Jeff Krohn	La Salle Agri Northern Thumb Crop Consulting
2:15 PM	BREAK		
2:25 PM	Biochemical Methane Potential Assay	Dr. Steve Safferman	Michigan State University
3:00 PM	Shincci-USA Sludge Dryer: Game Changer for Biosolids Management	Charley Hanson Steve Nurme	Resource Mangement, Inc. Resource Mangement, Inc.

To register or sponsor, please go to the following web link:

<https://www.viethconsulting.com/Calendar/moreinfo.php?eventid=56845>

Please note that this scheduled virtual Biosolids Conference is replacing the conference originally scheduled for March 25-26 in Holland due to COVID-19.

EGLE Release PFAS Summary Document

In the fall of 2018, the Water Resource Division launched a statewide PFAS assessment of 42 Wastewater Treatment Plants (WWTPs) to better understand the fate of PFOS and PFOA at municipal WWTPs. Influent, effluent and biosolids/sludge sampling was performed to calculate mass balances for PFOS and PFOA through municipal wastewater treatment processes. The 20 largest WWTPs with the highest flows, along with an additional 22 WWTPs with various treatment processes, were selected. A total of 23 agricultural fields associated with 9 WWTPs were also evaluated for potential PFAS impacts utilizing soil, surface water, tile drains, and groundwater samples. This statewide PFAS sampling study provides a robust evaluation of potential PFAS impacts to the WWTPs and biosolids from Michigan. Read the report at:

https://www.michigan.gov/documents/egle/wrd-pfas-initiatives_691391_7.pdf

COVID-19 and Biosolids Information

<https://www.wef.org/news-hub/wef-news/residuals-and-biosolids-issues-concerning-covid-19-virus/>



Michigan Biosolids Team

