

# Federation of NY Solid Waste & Recycling Conference with Trade Show

## Event Schedule

**Tuesday, May 18, 2021**

12:45pm

**Welcome and Opening Remarks**

12:45pm – 1:00pm, May 18

**Speaker**

Bruce Howie, P.E. HDR, Inc./ Federation of NY Solid Waste Associations Chairperson

1:00pm

**Keynote: Moving Forward with Packaging EPR in NYS**

1:00pm - 2:00pm, May 18

**Speakers**

Scott Cassel CEO / Founder, Product Stewardship Institute, Inc. (PSI)

Todd Kaminsky New York State Senator

2:00pm

**Break in the Virtual Exhibit Hall**

2:00pm - 2:30pm, May 18

Virtual Exhibit Hall

2:30pm

**BREAKOUT SESSION #1: Product Stewardship Initiatives in NYS - A Review of Current Programs and Framework for the Future**

2:30pm - 4:00pm, May 18

Hear an overview and update on product stewardship and extended producer programs in NYS from the NYSDEC's perspective.

Upon successful completion of this course, the attendee will be able to:

- Identify successes and challenges with NYS's more mature product stewardship programs
- Describe the status and roll-out of the Postconsumer Paint Collection Program
- List and discuss the development of newly proposed EPR legislation
- Recall important factors that the NYSDEC considers in current legislation being proposed

**Speakers**

Scott Cassel CEO / Founder, Product Stewardship Institute, Inc. (PSI)

Katie Kidalowski Environmental Program Specialist 2, NYSDEC

Peter van Erp Environmental Program Specialist 1, NYSDEC

Paul Fresina Director of Special Projects, PaintCare

Dawn Timm, NY Product Stewardship Council / Niagara County

**BREAKOUT SESSION #2: New Opportunities for Managing and Treating Landfill Leachate (1.5 PDH)**

2:30pm -4:00pm, May 18

A variety of new leachate treatment methods are currently being developed and explored. This session will take a look at the use of cogeneration for landfill leachate evaporation, cement products for solidification/stabilization of leachate concentrate, and the approach to PFAS treatment in leachate.

Upon successful completion of this course, the attendee will be able to:

- Understand how waste heat from landfill gas can be used to treat leachate in a traditional CoVAP cogeneration application.
- Describe LafargeHolcim's method for encapsulating PFAS from leachate concentrate
- Discuss the benefits of using treated leachate as daily cover
- Recall the PFAS compositions of leachate
- Understand the nuanced approach to address potential PFAS treatment requirements
- Identify the abilities and limitations of existing PFAS treatment processes

**Speakers**

Jeffrey Bouchard (Moderator) Executive Director, NYSASWM

John Weigold Heartland Water Technology

Paul Ruehl US Environmental Remediation Specialist, LafargeHolcim

Arie Kremen Senior Client Manager, Tetra Tech

**4:00pm**

**NETWORKING TABLES**

4:00pm - 4:30pm, May 18

Come meet with other attendees and get a chance to connect in small groups! Tables will shuffle halfway through the session, so there will be 15 minutes per table to get to know other participants.

**Wednesday, May 19, 2021**

**10:00am**

**Welcome and Overview of the Day**

10:00am- 10:10am, May 19

**10:10am**

**BREAKOUT SESSION #1: Organics Management - Active Aeration Composting, Tackling Packaged Food Waste, & Modeling GHG Impacts of Land Application (1.5 PDH)**

10:10am - 11:40am, May 19

Organic waste recycling is a rapidly growing field with not only an associated reduction in waste disposed, but also potential positive greenhouse gas impacts. This session will cover efficient composting practices, depackaging, and GHG impact modeling.

Upon successful completion of this course, the attendee will be able to:

- Discuss key design aspects of industry standard aeration systems
- Identify operation and maintenance issues associated with industry standard aeration systems
- Recall general design and key daily operation and maintenance of three case-studies
- Describe the difference in aeration performance between different feedstocks (biosolids, food waste, green waste)
- Recall the depackaging process in Vanguard Renewables' Organics Recycling Facility in Western Massachusetts
- Describe how depackaging can significantly increase the quantity of food waste diverted from landfills
- Share details about how land application positively compares to landfill disposal
- Discuss the applications of both the BEAM and COMET-Farm modeling software

### **Speakers**

Kelli Timbrook (Moderator) Casella Organics

Thomas Herlihy Senior Technical Manager - Facilities, WeCare Denali

Ryan Harb Senior Organics Market Manager, Vanguard Renewables

Abbie Webb Sustainability Director, Casella Resource Solutions

### **BREAKOUT SESSION #2: Technological Advancements in Electric Collection Fleets, Electronics Recycling, and Waste Conversion Technologies (1.5 PDH)**

10:10am - 11:40am, May 19

Solid waste management is a continuously evolving field, with consistent technological advancements. This session will discuss the advancements in electric collection fleets, electronics recycling, and waste conversion technologies.

Upon successful completion of this course, the attendee will be able to:

- Discuss the challenges of transitioning from fossil fuel to electric trucks
- Describe the applications of the HDR Zero+ Fleet Optimization tool
- Identify the potential benefits of an electric collection fleet
- Recall the necessary evolution of waste management practices as electronics components and their reuse markets change
- Discuss the variability of the electronics reuse markets
- Identify the new challenges that have arisen from evolved thermal treatment technologies
- Describe innovative technologies being used and developed globally, including direct combustion, gasification, pyrolysis, chemical and waste-to-fuel technologies

### **Speakers**

Kenneth Armellino, P.E. (Moderator) Director of Environmental Science and Community Affairs, Covanta

John Carlton, P.E., BCEE Solid Waste Program Lead, HOR, Inc.

Robin Ingenthron Good Point Recycling/ American Retroworks, Inc.

Bruce Howie, P.E. HDR, Inc./ Federation of NY Solid Waste Associations Chairperson

12.00pm

### **Getting Beyond the Headlines: Cultivating a Culture of Inclusion, Diversity and Equity in Materials Management**

12:00pm – 1:00pm, May 19

## **Moderator**

Renee Panetta (**Moderator**) Recycling Coordinator, City of Troy, NY

## **Speakers**

Diane Cohen Executive Director, Finger Lakes Reuse, Inc.

John Johnson Cofounder, Inner City Green Team

Elhadji Dia Principal Electrical Engineer I, Covanta

1:15pm

### **BREAKOUT SESSION #1: Engineering Ethics for Solid Waste Management - A Panel Discussion**

**(1.0 PDH)**

1:15pm - 2:15pm, May 19

## **Speakers**

Mark Swyka, P.E. Business Development Director, Tetra Tech

Amy Davies Casella

Rebecca Guardino Construction Materials Application Engineer, Covanta

Daryl O'Dell Operations Director, Tetra Tech

Kevin Bernstein Attorney - Environmental & Energy; Managing Member, Bond, Schoeneck & King, PLLC

### **BREAKOUT SESSION #2: Clear Communication - Recycle Right NY Campaign & NYS Survey**

**Results**

1:15pm- 2:15pm, May 19

Varying recycling programs, combined with inadequate and conflicting communication, has resulted in significant residential confusion about accepted recycling items. This confusion leads to increased contamination in the recycling stream, negatively affecting efficiency, safety, and expenses. This session will cover ways to improve recycling communication and trends in motivational factors.

Upon successful completion of this course, the attendee will be able to:

- Recall updates about the current activities and goals of the "Recycle Right NY" campaign
- Describe effective use of communication aids, including color, imagery, and wording choice
- Discuss inconsistencies in recycling communication
- Identify motivational factors that influence NYS residents' recycling communication behaviors

## **Speakers**

Melissa Young Assistant Director, Syracuse University Center for Sustainable Community Solutions

Jesse Kerns Syracuse University Center for Sustainable Community Solutions

Zhu ling Liu PhD Student, State University of New York at Buffalo

Janet Yang Associate Professor, State University of New York at Buffalo

2:15pm

Break in the Virtual Exhibit Hall

2: 15pm - 2:30pm, May 19

Virtual Exhibit Hall

2:30pm

### **BREAKOUT SESSION #1: The Importance of Recycling End Markets**

2:30pm - 4:00pm, May 19

In 2018, China implemented stringent requirements on imported recycling loads. These new requirements have made local recycling end markets more important than ever. This session will discuss the significance of various recycling end markets.

Upon successful completion of this course, the attendee will be able to:

- Discuss the impact of China's National Sword program
- Describe trends in NYS plastics recycling
- Identify resources needed to create domestic markets for materials and how they may vary regionally
- Recall key materials that currently lack a market and how they may vary regionally
- Discuss the applicability of best-practices from other states/regions/countries in NYS

#### **Speakers**

Andrea Calarco (Moderator) Strategic Alliance Manager, Casella Resource Solutions

Kate Walker Project Director, NYS Center for Sustainable Materials Management, SUNY College of Environmental Science and Forestry

Aditya Vedantam, PhD. Assistant Professor, State University of New York at Buffalo

Natasha Duran Research Assistant, SUNY College of Environmental Science and Forestry

### **BREAKOUT SESSION #2: Landfill Engineering - Understanding Slope Failures and Using Geomembrane Covers (1.5 PDH)**

2:30pm - 4:00pm, May 19

Proper landfill closure systems can significantly reduce leachate generation, minimizing treatment expenses. This session will cover various landfill closure strategies.

Upon successful completion of this course, the attendee will be able to:

- Identify when an evaluation of an engineered slope is required
- Understand the theory behind commonly used analytical methods
- Recall the types of laboratory tests performed to obtain engineering parameters
- Apply the slope stability analytical methods to an engineered slope of concern
- Evaluate the results of slope stability analyses
- Discuss the effectiveness of the HELP model in predicting post-closure leachate generation rates
- Describe exposed geomembrane cover applications and impacts
- Understand the use of exposed geomembrane cover, including selection, installation, performance expectations, budgeting, and scheduling
- Recall ClosureTurf® and its applications and impacts
- Discuss the process of using a drone to monitor construction progress

#### **Speakers**

Richard Clarkson (Moderator) Director, Bureau of Solid Waste Management, NYSDEC

Eric S. Steinhauser, P.E., CPESC, CPSWQ Principal and Senior Vice President, Sanborn, Head and Associates, Inc

Mark Swyka, P.E. Business Development Director, Tetra Tech

Karyn Ehmann Engineer II, CHA Consulting, Inc.

Dawn Timm NY Product Stewardship Council/ Niagara County

4:00pm

### **NETWORKING TABLES**

4:00pm - 4:30pm, May 19

Come meet with other attendees and get a chance to connect in small groups! Tables will shuffle halfway through the session, so there will be 15 minutes per table to get to know other participants.

## **Thursday, May 20, 2021**

9:00am

### **Welcome and Overview of the Day**

9:00am - 9:10am, May 20

9:10am

### **BREAKOUT SESSION #1: Designing Facilities and Programs for Organics Diversion and Industrial Recycling (1.0 PDH)**

9:10am -10:10am, May 20

With the implementation of NYS's Food Donation and Food Scraps Recycling Law expected in January 2022, the solid waste industry statewide is preparing for associated shifts in waste streams and management priorities. This session will discuss relevant strategies in collection, depackaging, and sorting of organic waste.

Upon Successful completion of this course, attendees will be able to:

- Identify and describe considerations for transfer stations and material recovery facilities that seek to accommodate source separated organics
- Discuss the logistics of organics co-collection and depackaging

### **Speakers**

Gregory Gelewski (Moderator) Deputy Director, Madison County Solid Waste

Bodhi Piedmont-Fleischmann Project Manager, Tetra Tech

Matt Albertazzi Casella Resource Solutions

Elizabeth Smith Casella Resource Solutions

### **BREAKOUT SESSION #2: Reuse, Repair, and the Circular Economy**

9:10am -10:10am, May 20

To create a sustainable manufacturing industry, it is important to conserve limited materials and minimize GHG emissions associated with manufacturing. This session will discuss how reuse and repair help create a more circular economy.

Upon successful completion of this course, the attendees will be able to:

- Understand the economic impacts of reuse
- Discuss reuse strategies and identify their impacts
- Describe the significance of repair in a circular economy
- Recall how GoodGoods helps create reuse loops through bottle returns

### Speakers

Dan Lilkas-Rain Recycling Coordinator/Board Member, Town of Bethlehem/NYSAR3

Diane Cohen Executive Director, Finger Lakes Reuse, Inc.

Gay Gordon-Byrne Executive Director, The Repair Association

Zach Lawless GoodGoods

**10:10am**

### Break in the Virtual Exhibit Hall

10:10am- 10:30am, May 20

Virtual Exhibit Hall

**10:30am**

### NY Climate Leadership and Community Protection Act (CLCPA) and Its Implications for Solid Waste Management in NYS (1.5 PDH)

10:30am - 12:00pm, May 20

Hear an introduction to the NY Climate Leadership and Community Protection Act, its impacts, and strategies to help NYS achieve the GHG reductions associated.

Upon successful completion of this course, the attendee will be able to:

- Identify the challenges of managing solid waste and GHGs on Long Island
- Discuss strategies to reduce fleet emissions and other initiatives to reduce carbon footprint
- Describe sustainability initiatives and climate action plan to reduce GHG emissions
- Recall NYCLCPA opportunities for a solid waste authority

### Speakers

John D. Atkinson (Moderator) Associate Professor, State University of New York at Buffalo

Michael Cahill, Esq. Germano & Cahill, P.C.

Gregory Anderson Deputy Commissioner, Policy and External Affairs, NYC Department of Sanitation

Mike Garland Director, Monroe County DES

Dereth Glance Executive Director, Onondaga County Resource Recovery Agency (OCRRA)

**12:00pm**

### Closing Remarks and Conference Wrap-Up

12:00pm - 12:15pm, May 20

**12:30pm**

### NY SWANA - Annual Member Meeting

12:30pm - 1:00pm, May 20

All members are invited to join us for the Annual Member Meeting. Chapter President Luann Meyer will provide an update on Board news and activities.

### Speaker

Luann Meyer Senior Project Manager, NY SWANA Chapter President/Barton & Loguidice