

Schedule

Sunday, February 11, 2018

1:00 to 6:00 pm	Registration Counter 1 (Speaker Registration) & Counter 2 (General Registration), Attendees, Presenters, and Moderators	East Foyer
Starting 1:00 pm	Poster Set-Up	East Foyer
Starting 2:00 pm	Table Top Set-Up	Indian Wells Ballroom
5:00 to 7:00 pm	Welcome Reception	Grand Salon ABCD

Monday, February 12, 2018

7:00 am	Registration Opens Counter 1 (Speaker Registration) & Counter 2 (General Registration), Attendees, Presenters, and Moderators	East Foyer
7:30 to 8:45 am	Continental Breakfast	Indian Wells Ballroom
8:45 to 10:00 am	Welcome & Keynote Keynote Speaker: <i>Terry Tamminen, CEO, Leonardo DiCaprio Foundation</i>	Indian Wells Ballroom
10:00 am to 10:30 pm	Coffee Break	Indian Wells Ballroom
10:30 am to 12:00 pm	Session One	

Track A: Leachate Characterization Desert Vista AB Moderator: <i>Kevin Torrens, Brown and Caldwell</i>	Track B: Landfill Design - Structural Stability Desert Vista DE Moderator: <i>Steven Menoff, Civil & Environmental Consultants</i>	Track C: Anaerobic Digestion Grand Salon ABCD Moderator: <i>Morton Barlaz, North Carolina State University</i>
State of Practice of Leachate Management & Treatment in the U.S. – <i>Bryan Staley and Stephanie Bolyard, Environmental Research & Education Foundation</i>	Do We Need to Re-Evaluate Our Landfill Slope Stability Analyses to Account for the Changing Waste Stream – <i>Eric Chiado, Civil & Environmental Consultants</i>	High Solid Anaerobic Co-digestion of Food and Yard Wastes with Biosolids for Biogas Production – <i>Eunyoung Lee, University of South Florida</i>
<i>Characterization of UV Quenching Substances in Waste Liquids from ETLFs and its Implication – Renzun Zhao, Lamar University</i>	Design and Construction of Reinforced Soil Structures Using Solid Utility Waste as Backfill Material – <i>Marco Isola, Maccaferri</i>	Anaerobic Digestion Pilot Project: A Case Study – <i>Amy Knight, Civil & Environmental Consultants</i>
Effect of Food Waste Diversion on Leachate Quality – <i>Florentino De la Cruz, North Carolina State University</i>	Facilitating Landfill Cell Construction Below the Groundwater Table in Central Florida using a Vertical Cutoff Wall – <i>Tobin McKnight, Jones Edmunds & Associates</i>	Co-digestion and AD Alternatives for Waste Management in Buenos Aires – <i>Rodrigo Pontiggia, Maria Cielo Lorenzo, Iris Cortez, Melisa Altina, Ignacio Varde, Benito Roggio Ambiental, and James Law, SCS Engineers</i>
A Chemical Characterization of Landfill Leachate: Leachate Organic Matter Compositional Variations – <i>Stephanie Bolyard, Environmental Research & Education Foundation</i>		Microbial Population Development During the Anaerobic Decomposition of Food Waste – <i>Morton Barlaz, North Carolina State University</i>

12:00 to 2:00 pm	Lunch Lunch Speaker: Michael E. Hoffman, Managing Director, Stifel Poster Viewing	Indian Wells Ballroom East Foyer
------------------	--	-------------------------------------

2:00 to 3:30 pm	Session Two	
-----------------	--------------------	--

Track A: Solid Waste Data/Informatics Desert Vista AB Moderator: <i>Jon Powell, Yale University</i>	Track B: Elevated Temperature Landfills Desert Vista DE Moderator: <i>Greg Cekander, Waste Management</i>	Track C: Coal Combustion Residuals I Grand Salon ABCD Moderator: <i>Milind Khire, University of North Carolina-Charlotte</i>
Solid Waste Generation and Composition: The Evolving Ton – <i>Kim Smith, State University of New York-Stony Brook</i>	Case Study of a Florida Elevated Temperature Landfill – <i>Debra Reinhart, University of Central Florida</i>	Technical Update on Brine Encapsulation R&D – <i>Kirk Ellison, Electric Power Research Institute</i>
Waste Informatics: Establishing and Characterizing Contemporary Landfill Quantities and Practices in the U.S. – <i>Jon Powell, Yale University</i>	Impacts of Temperature on Waste Stabilization – <i>Paul Van Geel, Carleton University</i>	A Thermodynamics Based Protocol for Assessing the Suitability of Geopolymer Formulations for Solidifying/Stabilizing Coal Combustion Residues – <i>Monday Okoronkwo, University of California-Los Angeles</i>
Accounting for Non-hazardous Industrial Waste in the United States: A Triangulation Approach – <i>Jonathan Krones, Yale University</i>	Heat Generation and Heat Transfer in Municipal Solid Waste Landfills Using Geothermal Modeling – <i>Terry Johnson, Waste Management</i>	Coal Ash Landfill Leachate Impacts at a ZLD Power Plant – <i>Ivan Cooper, Civil & Environmental Consultants</i>
Impact of Methodology and Assumptions on MSW Estimates – <i>Bryan Staley and Debra Kantner, Environmental Research & Education Foundation</i>	Heat Generation and Accumulation in Municipal Solid Waste Landfills – <i>Morton Barlaz, North Carolina State University</i>	Mineralogy Optimization for Metal and Halide Immobilization in Co-disposed Flue Gas Desulfurization Brines and Bituminous Coal Fly Ash – <i>Wenlong Zhang, Georgia Institute of Technology</i>

Schedule

Monday, February 12, 2018

3:30 to 4:00 pm	Coffee Break	Indian Wells Ballroom
4:00 to 5:30 pm	Session Three	
Track A: Landfill Emissions I Desert Vista AB Moderator: Garth Bowers, Cornerstone Engineering Group	Track B: Characterizing Elevated Temperature Landfills Desert Vista DE Moderator: Bryan Staley, Environmental Research & Education Foundation	Track C: Waste Management Planning Grand Salon ABCD Moderator: Bob Gardner, SCS Engineers
Diurnal Variations of Landfill Methane Emissions – Madjid Delkash, University of Delaware	Evaluating Landfill Liquids as Precursor to Predict Elevated Temperature Conditions – Michael Caldwell, Waste Management	Cost-Effectiveness Analysis of Waste Management Strategies on Small Islands: The Case of Kinmen, Taiwan – Hsin-Tien Lin, Kyoto University (Japan)
Atmospheric Modeling to Assess Wind Dependence in Tracer Dilution Method Measurements of Landfill Methane Emissions – Paul Imhoff, University of Delaware	Characterization of Thermophilic Waste Decomposition at a Landfill Experiencing Elevated Temperatures – Florentino De la Cruz, North Carolina State University	Scenario Modeling: A Technique for Conducting Sensitivity Analysis of Life Cycle Costs for Solid Waste Management Systems – Bob Gardner, SCS Engineers
Prospect for Drone-Based Methane Mapping for Quantitative Whole Landfill Emissions and Surface Monitoring – Pete Roos and Michael Thorpe, Bridger Photonics	Pyrolytic Reactions in Municipal Solid Waste Landfills: Theory, Experiment and Connection to Field Observations – Marco Castaldi, City University of New York	Creating Sustainable, Cost-Effective, and Equitable Waste-Management Programs in Maine Communities – Ronald Deprez, Public Health Research Institute
Surface Emissions Monitoring at the City of Vancouver Landfill – Lynn Belanger, Don Darrach, City of Vancouver (Canada), and Colin Wong, Golder Associates (Canada)	Reactivity Test for Quantifying Heat Generation of Wastes – Navid Jafari, Louisiana State University	Life Cycle Modeling for Future Solid Waste Management Planning – James Levis, North Carolina State University
5:30 to 7:00 pm	Reception & Poster Viewing	Verde Vista Terrace

Tuesday, February 13, 2018

7:00 to 8:15 am	Continental Breakfast	Indian Wells Ballroom
8:30 to 10:00 am	Session Four	
Track A: Leachate Disposal at POTWs Desert Vista AB Moderator: Brian Brazil, Waste Management	Track B: Recycling & Diversion Desert Vista DE Moderator: Craig Bartlett, Region of Durham (Ontario, CA)	Track C: Closure/Post Closure Grand Salon ABCD Moderator: John Claypool, Brown and Caldwell
You're "Cut Off." Now what? – A Case Study of How WCA Avoided Permanent Cut Off Through Effective Communication and Technical Support for Strong H ₂ S Odors in Leachate – Marcos Elizondo, Luong Nguyen, WCA Waste, and Brad Granley, Leachate Management Specialists, LLC	Two Year Results on Production of Saleable Products from MSW – Luc DeBaere, Organic Waste Systems	A Plan for Controlling Landfill Gas Migration – Post Closure Care – April Yochim, Region of Waterloo (Canada)
Simultaneous Energy Generation and Ultraviolet Quenchers' Removal from Landfill Leachate Using a Microbial Fuel Cell – Syeed Iskander, Virginia Tech	A Comparative Study of Four European Mechanical Biological Treatment Plants – Athanasios Boursalas, Columbia University	Successful Mitigation of Landfill Gas Migration at a Closed Facility with Saturated Waste – James Walker, Tetra Tech – CEG
Metal-humic Substances Complexation Under Landfill Leachate Matrix and its Implication on UV Transmittance – Renzun Zhao, Lamar University	Rural Iowa Hub and Spoke Recycling Project – Michelle Leonard, SCS Engineers	Evaluating Landfill Closure and Post Closure Costs Using Decision Tree Modeling – John Claypool, Brown and Caldwell
Leachate Dissolved Organic Matter Impacts on Wastewater Effluent Quality – Stephanie Bolyard, Environmental Research & Education Foundation		How Do Alternative Landfill Closure Designs Stand Up to the Test of Time? A Look at the Performance of Installed, Subtitle D Approved Closure/Turf Final Closure Projects – Ming Zhu, Watershed Geo, and Chris Eichelberger, Agru America

Tuesday, February 13, 2018

10:00 to 10:30 am	Coffee Break	Indian Wells Ballroom
10:30 am to 12:00 pm	Session Five	
Track A: Leachate Treatment Desert Vista AB Moderator: Renzun Zhao, Lamar University	Track B: Coal Combustion Residuals II Desert Vista DE Moderator: Ben Gallagher, Southern Company	Track C: Organics Diversion Grand Salon ABCD Moderator: Debra Kantner, Environmental Research & Education Foundation
Operating Data Comparison for a Leachate Treatment Technology Transition from Sequencing Batch Reactor to Membrane Bioreactor with Effluent Polishing – Danielle Popov, Frank DeOrio, Mark Sposato, Ephraim Schayek, O'Brien & Gere, and Anne Reichert, Waste Management	Mitigating Acid Mine Drainage Using Stabilized Flue Gas Desulfurization Material – Chin-Min Cheng, Ohio State University	Trade-Offs Between Collection and Processing Costs When Implementing an Organics Diversion Program – Kenneth Beaver, Environmental Solutions Group
Startup of an Advanced Leachate Treatment Water Resource Recovery Facility – Kevin Torrens, Brown and Caldwell	Beneficial Use of Coal Combustion Residuals for Closure of Coal Ash Impoundments – Rick Buffalini, Civil & Environmental Consultants	Santa Clara County Composting Processing Capacity and Organics Diversion Study – Leslie Lukacs and Tracie Bills, SCS Engineers
Optimization of Leachate Pretreatment Plant Operations in Response to Complex Leachate Quality – Jesse Varsho, Geosyntec Consultants	Super Absorbent Polymers to Manage Water During Coal Ash Excavation & Disposal – Milind Khire, University of North Carolina - Charlotte	Organics Diversion - A Western Canada Success Story: How it is Significantly Reducing our Trash – Wilbert Yang, Tetra Tech – EBA
Troubleshooting a Leachate Evaporator System with Scaling Issues (Case Study) – Rohan Menon, Waste Management	Landfill Leachate Impacts from Coal Ash and Exploration & Production Wastes – Ivan Cooper, Civil & Environmental Consultants	
12:00 to 1:30 pm	Lunch & Poster Viewing	Indian Wells Ballroom
1:30 to 3:00 pm	Session Six	
Track A: CH4 Oxidation Desert Vista AB Moderator: Roger Green, Waste Management	Track B: Geosynthetics Desert Vista DE Moderator: Ryan Kamp, Chesapeake Containment Systems	Track C: Challenging/Emerging Contaminants in Leachate Grand Salon ABCD Moderator: Kurt Shaner, Waste Connections
Methane Oxidation: Field-scale Test Sections Experiment – Tarek Abichou, Florida State University	Long-Term Performance Analysis of Double Composite Liner Systems: Measured and Modeled Leachate Leakage – Max Krause, US EPA, Office of Research & Development	Leachate Treatment for Non-traditionally Regulated Compounds – Patrick Stanford, Rochem Americas
Methane Oxidation Capacity of Un-composted Yard Waste and Other Waste Materials – Gomathy Iyer, University of Texas-Arlington	Observed Variation in the Direct Shear Test Method and Effect on Slope Stability Conformance Testing – Christopher Richgels, Agru America	Comprehensive Treatability Evaluation of 1,4-Dioxane Removal from Landfill Leachate – Chao Zhou, Geosyntec Consultants
Engineering Testing of a Methanotroph-Enriched Landfill Bio-cover for Brady Road Resource Management Facility in Winnipeg, Manitoba, Canada – Monika Niemczyk, KGS Group	EVOH Geomembranes – Landfill Cover Case History – Edgard Chow, Kuraray America	What Are Critical Factors in Understanding Actual Risks of an Emerging Contaminant– the Inaccurate Health Concern of 1,4-Dioxane and the Increasing Requests to Monitor in Groundwater at Municipal Solid Waste Landfills – Louis Bull, Waste Management
		Treatment of Leachate Organic Matter Through Sunlight Driven Photolysis – Duncan Lozinski, University of Central Florida
3:00 to 3:30 pm	Coffee Break	Indian Wells Ballroom

Schedule

Tuesday, February 13, 2018

3:30 to 5:00 pm Session Seven		
Track A: Temperature Monitoring and Control Desert Vista AB Moderator: <i>Mike Beaudoin, Republic Services</i>	Track B: Landfill Air Regulations Desert Vista DE Moderator: <i>Matt Stutz, Weaver Consultants</i>	Track C: Composting Grand Salon ABCD Moderator: <i>Craig Bartlett, Region of Durham (Ontario, CA)</i>
Continued Development of Temperature and Pressure Instrumentation for Elevated Temperature Landfills – <i>Nicholas Yafrate, Geosyntec Consultants</i>	PANEL DISCUSSION: Evolving Landfill Air Regulations, Interpretations, and Enforcement Initiatives Under a New Administration – <i>Matt Stutz, Weaver Consultants Group</i> <i>Amy Van Kolken Banister, Waste Management</i> <i>Niki Wuestenberg, Republic Services</i> <i>Kerry Kelly, Waste Management</i> <i>Patrick Sullivan, SCS Engineers</i>	Time for a Change? The Challenges and Lessons Learned for the Transition from Windrow Operations to Aerated Static Pile Composting – <i>Maura Dougherty, Tetra Tech – CEG</i>
Using Technology to Identify and Combat Increased Subsurface Temperatures at an MSW Landfill – <i>Cody Lee Daigle, Tetra Tech – CEG</i>		When Compost Does Bad Things to Groundwater – <i>David Tonjes, State University of New York-Stony Brook</i>
Preventing Formation of Elevated Temperature Conditions in Landfill – Design Features for Management of Liquids and Gas Pressure – <i>Ali Khatami, SCS Engineers</i>		Correlating Water Quality Types to Groundwater Contamination at Compost Sites – <i>John Norgard, State University of New York-Stony Brook</i>
Heat Exchange at Landfills: Evaluation of Preliminary Data from an Instrumented Municipal Solid Waste Landfill – <i>Leticia Nocko, University of California-San Diego</i>		What Works. Ten Years of Odor Control Evolution in the (Food and Source Separated Organic) Waste Processing Industry – <i>Kyle Muffels, GHD</i>
5:00 to 6:30 pm Reception & Poster Viewing		Verde Vista Terrace

Wednesday, February 14, 2018

7:00 to 8:15 am Continental Breakfast			Indian Wells Ballroom
8:30 to 9:45 am Session Eight			
Track A: Sulfur in Landfill Gas Desert Vista AB Moderator: <i>Frank DeOrto, O'Brien & Gere</i>	Track B: Health and Safety Desert Vista DE Moderator: <i>Sarah Foster, CPF Associates</i>	Track C: Landfill Gas Management Grand Salon ABCD Moderator: <i>Christopher Bareither, Colorado State University</i>	
New Source Review – The Stink of Permitting Projects at High TRS Landfills (and Other Wonderful Landfill Gas Related Air Permitting Topics) – <i>Michael Trupin, Trinity Consultants</i>	Public Health Considerations Related to Use of Odor Control Products at Landfills – <i>Sarah Foster, CPF Associates</i>	The Influence of Waste Moisture Enhancement Strategies on Landfill Gas Generation – <i>Christopher Bareither, Colorado State University</i>	
Causes of Increasing Sulfur Content in California Landfill Gas – <i>Patrick Sullivan, SCS Engineers</i>	Health and Safety Protocols for Investigating Elevated Temperature Landfills – <i>Davis Garrett, Geosyntec Consultants</i>	Approaches to Modeling Landfill Gas at a Multiple Phase Site – <i>Lori Clark, State University of New York-Stony Brook</i>	
A Methodology to Project Hydrogen Sulfide Concentration in Landfill Gas (LFG) Based on Historical Data – <i>Bishow Shaha, Florida Atlantic University</i>	Reducing the Frequency and Severity of Waste Collection Accidents with Video-Based Safety and Analytics – <i>Jason Palmer, SmartDrive Systems</i>	Solar Low-Flow Pumps Boost Iowa Landfill's Gas Recovery, Address Groundwater, With Cost Savings – <i>Mark Bertane, Blackhawk Technology Company</i>	
9:45 to 10:00 am Coffee Break			Indian Wells Ballroom
10:00 to 11:15 am Session Nine			
Track A: Landfill Emissions II Desert Vista AB Moderator: <i>Jim Levis, North Carolina State University</i>	Track B: Landfill Planning/Operations Grand Salon ABCD Moderator: <i>Bill Soukoup, Cornerstone Environmental Group</i>		
Air Emissions Compliance and Emission Rate Analysis for a Municipal Solid Waste Landfill in Florida, USA – <i>Samir Ahmed and Kwasi Badu-Tweneboah, Geosyntec Consultants</i>	Landfill Development Optimization: A Case Study of Waste Management Planning and Design, Waterloo Landfill Site, Regional Municipality of Waterloo – <i>Tracy Annett, Regional Municipality of Waterloo (Canada)</i>		
A Solid Waste Emissions Estimation Tool (SWEET) for Quantifying GHG Emissions Reduction from Alternative Waste Management Strategies – <i>Alexander Stege, SCS Engineers</i>	Evaluating the Potential Impact of Landfill Mining on Groundwater Quality – <i>William Soukup, Tetra Tech – CEG</i>		