Waste 360 GWMS Global Waste Management Symposium

2022 Poster Session Presentations

EREF

Design of an Innovative Final Cover System for the Closure of a Municipal Solid Waste Landfill in Ghana, West Africa
Samir Ahmed, Geosyntec Consultants

Sustainability Index to Assess Solid Waste Management Systems in Developing Countries
Hussain Ali, University of Texas at Arlington

Techno-economic Analysis and Life Cycle Assessment of Contaminant Removal from Landfill Gas for Electricity Generation
Rarosue Amaraibi, University of South Florida

Anaerobic Decomposition of Cotton Fabric under Simulated Landfill Conditions
Morton Barlaz, PhD, PE, North Carolina State University

Prioritizing Organic Waste to Energy-Renewable: Development and Application of the POWER Framework
Arpita Bhatt, PhD, University of Texas at Arlington

Developing Solar Power on Closed Disposal Facilities
Rick Buffalini, PE, Civil & Environmental Consultants, Inc.

Environmentally Conscious & Sustainable Leachate Treatment
Mike Butler, Dynatec Systems

Using Data and Mapping to Capture Attention and Tell Your Story: Keep California Beautiful Environmental App Tracks Litter and Waste Issues
Cecile Carson, EdD, Keep California Beautiful/Carson Consulting

Generation, Characterization, and Environmental Implications of Solid Waste and its Management in the Everest region
Mohan Dangi, PhD, PE, California State University, Fresno

Life Cycle Assessment of Municipal Solid Waste Management in Banepa, Nepal
Mohan Dangi, PhD, PE, California State University, Fresno

The Role of Private Sectors in Municipal Solid Waste Management: A Case of Kirtipur, Nepal
Mohan Dangi, PhD, PE, California State University, Fresno

Trends in RDF: How Changing MSW Composition Affects the RDF Conversion Process
Matthew Davidson, Vecoplan, LLC

Is Hydrogen the Future of the Waste Industry?
Kim Domptail, GHD

Evaluation and Construction of a Full-Scale Membrane BioReactor Leachate Pretreatment Plant
George Duvendack, Waste Connections

Assessment of Odour Gas Dispersion Near an Operating Landfill Treated by Different Intermediate Covers with Soil Alone, LLDPE, or EVOH Geomembrane
Yuan Feng, University of Nebraska at Lincoln

Impacts of Precipitation Data Sets on HELP Leachate Collection Estimates
Kyle Hampton, EIT, Civil & Environmental Consultants, Inc.

Using Life Cycle Thinking to Assess the Sustainability Footprint of Beneficial Use of Savanah Dredged Sediments
Hejintao Huang, Georgia Tech

In situ Stabilization of Landfills – Field-Based Research in the Netherlands
Paul Imhoff, PhD, PE, University of Delaware

PFAS in New England: A Comparison of Data from Solid Waste Facilities to Other Known Sites
Amy Knight, PE, Civil & Environmental Consultants, Inc.

Bioaugmentation with Bacillus SP. Boosts Rates of Ammonia Elimination and Lowers Effluent Total Nitrogen in Landfill Leachate
Himanshu Lamba, BiOWiSH Technologies

Digital Transformation of Waste Management: Drones, Smart Forms, and GIS
Cesar Leon, Tetra Tech

Implementation of SCADA to Monitor Your Leachate System Health
Jeffrey Murray, HDR

Faster, Better, & More-The Power of Data and Technology with Solid Waste Projects
Randy Nolden, Tetra Tech

Leachate Treatment Plant Operator Analytical Tools
Ronald Overholt, Ramboll

Assessment of Using Fee Nitrous Acids as Retreatment for Enhancing Anaerobic Digestion of Food Waste
Guangbin Li, PhD, University of Maryland

Solid Waste Optimization Life-cycle Framework in Python (SwolfPy)
Mojtaba Sardarmehni, North Carolina State University

A Case Study on Advanced Leachate Treatment: Startup of Operations and Integration of Upgrades
Kirstie Shurie, Tetra Tech

Landfills as the Immediate Solution to Removing PFAS from the Environment
Patrick Stanford,

Performance Evaluation of Four Landfill Liner Systems Using Numerical Modeling and Life Cycle Assessment
James Tinjum,PE, PhD, University of Wisconsin at Madison

Potential for Biological Nitrification Inhibition to Repress Methane Oxidation
Seongmin Yang, Kansas State University

Wind Uplift of Geosynthetics Covers: Wind Tunnel Study and Wind Resistance Analysis
Ming Zhu, PhD, PE, Watershed Geosynthetics