

17th Annual LMOP Conference and Project Expo Summary

Opening Plenary

- *Welcome and Conference Overview*
Swarupa Ganguli, Team Lead, Landfill Methane Outreach Program (LMOP), U.S. Environmental Protection Agency
- *Keynote Address*
Frank Caponi, Los Angeles County Sanitation Districts

Session 1: LFG Case Studies: What's New

- *Multiple Renewable Energy Production Practices at a Municipal Solid Waste Landfill*
Billy Malone, DeKalb County Sanitation
- *Gaston County Landfill Gas to Energy Project: A Self-Developed Approach*
Marcie Smith and Emily Melton, Gaston County Solid Waste and Recycling
- *Creating a Sustainable Community; Powering Chambersburg with LFG*
Mark Messics, PPL Renewable Energy

Session 2: What's New: Renewable Fuel Standard

- *RINs: Filling the Landfill Environmental Attribute Value Void*
Will Overly, Blue Source, LLC
- *A Closer Look: Registering as a Biogas Producer Under the EPA RFS2 Program*
Iris Caldwell, First Environment, Inc.
- *National Potential for Renewable Natural Gas as a Transportation Fuel*
David Cox and Johannes Escudero, Coalition for Renewable Natural Gas, Inc.
- *A New Approach to Generate RINs with Biogas*
Patrick Foody, Iogen Corporation

Lunch

- *2013 LMOP Project and Partner Awards Ceremony*

Session 3: LFG End Use and Energy Markets

- *Alternative Delivery Methods for Developing a Landfill Gas to Energy Project*
Rick Sapir, Hawkins Delafield & Wood, LLP
- *The National Potential for Landfill Gas to CNG (This presentation is not available for viewing.)*
Chris Voell, BioCNG
- *Wholesale Power Markets 101, Risks and Rewards of Merchant Generation*
Gabriel Phillips, GP Renewables & Trading
- *Converting Landfill Gas to Hydrogen at the BMW Assembly Plant: Building on a Landfill Methane Outreach Program Success Story*
Peter Devlin, U.S. Department of Energy

Session 4: LFG Case Studies: Electricity and CHP Projects

- *Tropicana's Optimization of Landfill Methane Gas Use (This presentation is not available for viewing.)*
Glenn Johnson, PepsiCo Americas Beverages
- *Three Years and Counting – CHP LFGTE Projects (This presentation is not available for viewing.)*
Terry Beasy, Heartland Technology Partners, LLC
- *Redeveloping Landfill Gas Projects – The Livingston Landfill Case Study*
Josh Cisney and Paul Cummings, Hoosier Energy

Session 5: Regulatory Updates

- *Enhanced Waste Stabilization, Increased LFG Generation and the EPA RD&D Rule – Kansas': An LMOP State Partner's Experience*
Sam Sunderraj, Kansas Department of Health and Environment
- *Spotlight on Subpart HH of the Greenhouse Gas Reporting Program: Data, Trends, and Upcoming Modifications*
Rachel Schmeltz, U.S. Environmental Protection Agency
- *Landfill Gas Internal Combustion Engines Corporate Wide Compliance from the Ground Up - A Case Study*
Angela Krueger and Jennifer Garvon, Civil and Environmental Consultants, Inc.
- *Thermal Mass Flowmeters Quantify Emissions for LFG Monitoring and Reporting*
Bob Steinberg, Sage Metering, Inc.

Session 6a: LFG Technical Issues

- *Jump Start Methane Production in a Bioreactor Landfill Using Septage*
Matthew Williams, County of St. Clair
- *Reliable Solar Pumps Boost Gas Production at Upper Midwest Landfill... In Winter*
Mark Bertane, Blackhawk Technology Company

Session 6b: LFG Engine Maintenance and Operations

- *Field Validation of an On-Line FTIR Analyzer for Measuring Total Siloxane Content in Landfill Gas*
Barbara Marshik, MKS Instruments, Inc.
- *Siloxane Removal System Experience*
Michael Carolan, Carolan Associates
- *Techniques to Reduce Operating Costs at a CAT 3520 LFGTE Project by 35%*
Mark Hill, DTE Biomass
- *H₂S Treatment Using Iron Chelate at the Roosevelt Landfill Gas Turbine Plant*
Kevin Ricks, Klickitat Public Utility District and Daniel Waiono, GC Environmental

Session 7: LFG Case Studies: Grab Bag

- *Miramar Landfill Gas Utilization Enabling the First Green Marine Corps Facility*
Ray Purtee, City of San Diego
- *Lessons Learned from LFGTE Mega-Projects in Argentina & Chile and Application to Projects in North America*
Mauricio Lopez, Caterpillar Electric Power-Gas
- *Innovative LFG Energy Project Case Studies*
Ulrich Nielen, 2G Cenergy Power Systems Technologies, Inc.