

Landfill Technical Subcommittee Progress Report

**1st GMI Steering Committee Meeting
12-13 October 2011**

Krakow, Poland

**Chairs: Gabriel Blanco (Argentina),
Sandra Lopez Tovar (Colombia), and
Rachel Goldstein (United States)**

Overview

- Activities since March 2010
 - New Delhi Subcommittee Meeting Highlights
 - Selected Subcommittee Achievements
- Future Activities

Subcommittee Activities Since March 2010

- New Delhi Partnership Expo
 - Showcased 55 landfill sector project opportunities in 10 Partner Countries
 - Showcased 11 landfill project success stories in Brazil, China, India, Mexico, Thailand, and Ukraine
 - Reviewed abstracts and organized a technical seminar for landfill sector topics covering:
 - Advancing Landfill Biogas Projects
 - Site Operations for Improving Gas Recovery and Site Safety
 - Assessing Landfill Gas Project Potential
 - Methane to Markets Grants Supporting Innovative LFG Utilization Technologies
 - LFG Projects and the Clean Development Mechanism

Subcommittee Activities Since March 2010 *(continued)*

- Subcommittee Leadership
 - At 11th Subcommittee meeting Colombia and the United States were adopted as interim co-chairs with Argentina
 - Subcommittee leadership will be re-evaluated in 2011
- Outreach and Communications
 - Methane International Article Input
 - May 2010 Issue highlighted infrared heater project at Argentina's Escobar landfill (a 2007 Partnership grant recipient)
 - May 2010 Issue promoted June 2010 Argentina Workshop "Creating Viable LFG-to-Energy Project in Latin America"
 - Press and Media Outreach
 - Collaboration between Province of Buenos Aires, the Partnership, and ISWA <http://www.opds.gba.gov.ar/index.php/articulos/ver/351>
 - Project Tracking Database Updates
 - Uploaded completed reports, presentations, and project opportunity posters to 16 Methane to Markets grant records
 - Uploaded completed site reports and project opportunity posters to an additional 17 landfill project records

Subcommittee Activities Since March 2010 *(continued)*

- 12th Landfill Subcommittee Meeting
Wastewater Task Force Meetings (11 November)
 - 17 Participants
 - 1st Wastewater Task Force Meeting
 - Provide technical and financial support for studies, raising awareness, conducting demonstration and pilot programs, and developing a best practice manual.
- Subcommittee Webinar (1 June 2011)
 - 30 Participants

Subcommittee Activities Since March 2010 *(continued)*

- Outreach and Communications:
 - Conducted over 25 Training/Capacity Building Workshops and Site Tours: Colombia, Brazil (Belo Horizonte), Argentina (Buenos Aires, Bahia Blanca, La Palta, Neuquen), Mexico (Cancun, Mexico City), Serbia (Novi Sad), Ukraine
 - Over 12 Conference Presentations/Outreach: Africa Carbon Forum (Nigeria, Ethiopia and United States), International Biogas Conference & Expo (Chile), 7th International Conf. on Biomass & Energy (Ukraine), Indonesia

- Technical Assistance
 - Pre- and Full Feasibility Studies: Chernihiv, Ukraine, China (4)
 - LFG Energy Barriers Analysis and Strategy Report in China
 - President of Mexico Celebrated the Opening of an LFG Utilization Project at the Ciudad Juárez Landfill.
 - LFG Tenders Issued in Nigeria, Ecuador and India
 - Poland's Oil and Gas Institute completed a LFG project development handbook

Landfill Subcommittee Activities Since March 2010 *(continued)*

- LFG Models (Colombia, Mexico, Ukraine)
- 2 GMI-assisted LFG Energy Projects Became Operational (Ukraine, China – expansion project)
- Awarded 14 Grants totaling over \$1 million
- Developing LFG International Best Practices Guide
- Defining Methane Abatement Technologies

Landfill Subcommittee Activities Since March 2010 (*continued*)

- Transitioning International Landfill Database into GMI Customer Relationship Management
 - Tool now contains over 700 landfills and over 150 flare or energy recovery project records
- Collaboration with ISWA (MOU, co-hosted 2 workshops/sessions)
- *Methane International* newsletter
 - Country Spotlight: Brazil and Nigeria

Wastewater Task Force Activities

- Organization of Wastewater Sector
 - Temporary task force to identify experts within each interested Partner Country
 - Stand-alone subcommittee?
 - Outreach:
 - Presented at International Seminar on Sustainable Wastewater Treatment Operation (Brazil)
 - Organized session for NCGG-6 conference (Amsterdam)

Next Steps

- Address Charges from Steering Committee
- Peer review LFG best practices handbook
- Continue to update CRM tracking system for landfill sector projects and activities
- Assist Partner Countries with Methane Action Plans
- Prepare for 2013 GMI Expo
- Decide on subcommittee chairmanship