International Landfill Database Update

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Overview

- Key features
  - Central data depository
  - Project-oriented
- Applications
  - Identification of current and future project candidates ("Database of Project Opportunities")
  - Tracking system for existing projects.
- Updates (review)
  - Landfill Database Taskforce

Key Features

- Central data depository
- Transparent
- Online data entry – cost effective and sustainable
- Control of data entry – authorized users only
- Protection of data – authorized users can change only data provided by themselves
- Data quality – data entered by authorized users will be examined by database administrator before posting to website

Applications

- M2M project assistance
  - Selection of potential landfill gas project sites
  - Quantification of methane emissions at landfill level and methane recovery potential
  - Identification of private and public sector contacts at the national and local level

Landfill Database Taskforce

- Created during the Landfill Subcommittee Meeting in Cologne, Germany, on May 12, 2006.

- Objectives:
    - Define the goals for the database
    - Specify the steps required to adapt the original database to meet these goals
    - Discuss ways in which the database can be improved to best serve its constituents

- Result:
    - Streamlined version of original application more pertinent to goals of the Methane to Markets initiative (under development)
    - Launch date: February 2007

Key Landfill and LFG Parameters

- **General Information**
  - Landfill name, city, contact information
  - Type(s) of cooperation sought
    - Investors
    - Partnership
    - Technical assistance
- **Landfill Physical Data**
  - Size, depth
  - Quantity of waste accepted annually
- **Landfill Gas Collection System Data**
  - LF gas collection system in place
  - Venting
  - LF gas flow rate
  - Methane content

Key Landfill and LFG Parameters (cont.)

- Waste Characteristics
  - Percentage of food, garden and park, wood, paper and textiles in waste stream
- Landfill Operations Data
  - Daily cover
  - Cap
  - Liner
  - Compaction
- Additional Information
  - Name and contact information of person providing data
  - Date of data collection

Categories of data fields

- **Mandatory:** Information is required for these fields. If data is not provided for a mandatory field, the data submitter cannot input data for subsequent data fields.

- **Critical / Important:** Information in these fields is required to examine the potential for a project. This category might include whom to contact for additional information, whether there is any interest in a project, and any potential for methane recovery.

- **Optional:** These fields contain information that, while potentially useful, could also be obtained through other sources or at a later stage, if necessary.

Next Steps

- Finalize changes based on taskforce input
- Beta testing
  - Input of new data by M2M partners
  - Update existing data
- Identification of project candidates
- Launch in February 2007