



Biothermica

EXPERIENCE - ASSESSMENT OF LANDFILL GAS POTENTIAL

Over the past ten years, Biothermica has achieved key studies and contracts for the evaluation of landfill gas (LFG) surface emissions and LFG generation potential. Biothermica's expertise has served both the environmental protection of the population as well as the accomplishment of LFG projects. The table below presents the reference list of landfills¹ where Biothermica performed the following services:

- Methane georeferenced surface sampling
- Assessment of LFG potential
- Forecast of LFG generation over 20 years

Landfill site	Date	Client	Waste quantity that has been accepted (current)
DMS Pierrefonds	2012 - 2013	Les Entreprises Environnementales Pierrefonds (LEEP)	3 500 000 tons
LET Saint-Joachim	2012	City of Québec	1 100 000 tonnes
Tegucigalpa, Honduras	2009	Confidential	Futur: 800t/day
Sonsonate, El Salvador	2009	Confidential	250 000 tons
Bordo Poniente, DF, Mexique	2008	Confidential	Over 50 000 000 tons

¹ These landfills had no collection system in place at the time of Biothermica's intervention

Landfill site	Date	Client	Waste quantity that has been accepted (current)
Oudja, (Rabbat Sale) Morocco	2007	Agence pour l'Aménagement de la Vallée du Bouregreg	250 000 tons
Komurcuoda and Odayeri (Istanbul), Turkey	2007	Ortadogu Group	10 000 000 tons (Ko.) and 22 000 000 tons (Od.)
Pnom Penh, Cambodia	2006	Biocarbon Dev Inc.	2 500 000 tons
Nejapa, El Salvador	2005	Canadian International Development Agency (CIDA)	3 000 000 tons
Duquesa, Dominican Republic	2005	Biocarbon Dev Inc.	8 000 000 tons
Katameya (Cairo), Egypt	2005	Egyptian American Industry Chemicals (EAIC)	1 200 000 tons
Trinidad and Sainte-Lucie, Caribbean Islands	2004	Canada's Clean Development Mechanism and Joint Implementation Office	1 000 000 tons each
Mangrove Pond (Barbados), Caribbean Islands	2004	Canada's Clean Development Mechanism and Joint Implementation Office	3 000 000 tons
El Molle, Chili	2003-2004	Natural Resources Canada – Canadian Initiative for International Technology Transfer (CIITT)	2 500 000 tons
Mediouuna, Morocco	2001-2003	Canada's Clean Development Mechanism and Joint Implementation Office	9 000 000 tons