

# ***Methane to Markets and Landfill Gas in Mexico***

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Methane to Markets Landfill Technical  
Subcommittee Meeting, Cuenca, Ecuador,  
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# Timeline of Collaboration



## 1) Strategy meeting, September 2005

- Mexico Secretariat of Environment and Natural Resources (SEMARNAT), Ministry of Social Development (SEDESOL)
- North American Development Bank
- Border Environmental Cooperation Commission
- U.S. Agency for International Development (USAID)
- U.S. Environmental Protection Agency (U.S. EPA)

## 2) Data analysis

- U.S. EPA reviews SEMARNAT and SEDESOL report with key data on 200 sites
- Initial screening results in 10 final sites, focus on U.S.-Mexico border
- EPA, SEMARNAT, and SEDESOL choose 4 sites for engineers to visit (political factors considered)

# Timeline



- 3) Technical site visits, January 2006**
  - Mexicali, Ensenada, Nuevo Laredo
- 4) Concurrent development of standard methodology for pre-feasibility study (PFS)**
- 5) USAID to conduct PFS at Nuevo Laredo, U.S. EPA to conduct PFS at Ensenada**
- 6) Signing of Letter of Cooperation, March 2006**
  - SEMARNAT, USAID, U.S. EPA



# Pump Test

- **Pump test conducted at Ensenada**
- **Obstacles encountered:**
  - Lack of resources for site security
  - Broken equipment – drilling machinery, blower motor
  - Wells collapsed due to lack of waste compaction
  - Assistance needed in putting out surface fires
  - Stolen equipment
- **As a result, pump test took twice as long to complete**

# Success!



# Next Steps



- **Prepare biogas recovery projections**
- **Prepare economic evaluation**
- **Estimate environmental benefits**
- **Prepare conclusions and recommendations**
- **Finalize Pre-Feasibility Study**