



UNFCCC Clean Development Mechanism Monitoring Report
Nanjing Tiangjingwa Landfill Gas to Electricity Project

CDM registration number 0071
Monitoring period 11/6/5 – 29/5/6
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Project background

Nanjing Tiangjingwa Landfill Gas to Electricity Project has been registered as CDM project by the UNFCCC on 18 December 2005 under reference number 0071.

Further background on this project can be found in the PDD and associated documents, which are available on the UNFCCC website: <http://cdm.unfccc.int/Projects/DB/DNV-CUK1129289693.13/view.html>.

Parties involved are China (Host Country) and the United Kingdom of Great Britain and Northern Ireland (other Parties). The project participants are Nanjing Green Waste Recovery Engineering Co., Ltd (project developer and operator) and Ecosecurities (carbon buyer).

Monitoring background

Basis for the calculation of emission reductions is the monitoring plan in the Project Design Document. The calculation of emission reduction applies methodologies ACM0001 and AMS-I-D. The validated monitoring plan has been made operational by the project developer in the Monitoring Protocol [ref, of date]. This document is necessary to make the monitoring plan operational, but is not an official document in the CDM project cycle.

There are no remaining open issues related to monitoring after completion of project validation.

Monitoring results

Emission reduction

The calculated emission reductions amount to 27148 ton CO₂eq.

Monitoring period covered

This is the first monitoring report of this project. It covers the period 11/6/5 to 29/5/6.

Presentation of monitoring results - spreadsheet

All monitoring data have been included in an Excel workbook [Annex 1]. This includes:

1. Summary. This worksheet contains an overview of the calculation of emission reductions and general notes.
2. Calculations. Shows the calculation of emission reductions on the basis of raw data. Missing values or corrected values have been color-coded (see section "processing of raw data" below).
3. Raw data. Contains the raw monitoring data submitted by the project developer.

No landfill gas flared

The project planned to flare part of the landfill gas. Due to the lower than expected flow of landfill gas, the flare has not been used during the monitoring period. The flare efficiency and landfill gas flow to flare have therefore not been measured.

Processing of raw monitoring data

1. The raw monitoring data have been completed or corrected in a number of cases. In these cases, a zero flow of landfill gas has been assumed (conservative estimate).
2. Entered data for cumulative flows and power delivered to the grid were swapped in a limited number of cases. The flows for these data have been set to zero (conservative estimate). All corrections have been color-coded and are therefore clearly distinguishable from the original data.

Calculation methodology

The calculation methodology of emission reduction for this project is summarized in Annex 2. This has been used as a cross-check. The emission reduction by combustion of landfill gases has been calculated for the spot meter [m3]. The power delivered to the grid is calculated for the period from 6 April 2005 up to 29 May 2006.