

CHINA: MEIZHOU LANDFILL GAS RECOVERY AND UTILIZATION AS ENERGY PROJECT

Kyoto Mechanisms:	Clean Development Mechanism
Project category:	Abfallwirtschaft
Location:	Meizhou, Provinz Guangdong, China
Emission reductions purchased:	1,125,000 t CO _{2e}

The proposed project activity foresees the utilization of methane from eight landfills sites in the Meizhou district, province of Guangdong. It comprises the installation of landfill gas collection systems, as well as seepage water treatment facilities for the purpose of electricity generation from landfill gas utilisation. After successful implementation of the eight landfill sites, the total installed capacity is estimated at about 2 MW_{el}.

Currently, the landfill sites receive 1,160 tons of waste per day thus emitting equivalent amounts of methane into the atmosphere. After project realisation, it is planned to collect more than 17,600 tons of methane per year, which will be used to produce electricity or will be flared.

Between 2005 and 2012 the project will generate app. 2 Mill tonnes of CO_{2e} through the avoidance of methane emissions. The calculation of the baseline emissions is based on the Approved Methodology ACM0003, „Simplified Financial Analysis for Landfill Gas Capture Projects“. Thereby, only emission reductions from flaring of the landfill gas will be taken into account.

The project was registered by UNFCCC Executive Board on March 3rd, 2006 (<http://cdm.unfccc.int/Projects/DB/DNV-CUK1135170125.82/view.html>)