

Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project

Xentolar Holdings Limited

Project Title	Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project
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1 PROJECT DETAILS

1.1 Summary Description of the Project

The project activity is a registered CDM project (UNFCCC Reference No. 3462), refer to registered PDD (v8, dated 13 August 2010) section A.1

1.2 Sectoral Scope and Project Type

Refer to registered PDD section A.4.2. The project is categorized as follows:

- Sectoral Scope 1 - Energy industries (renewable - / non-renewable sources)
- Sectoral Scope 13 - Waste Handling and Disposal

The project is not a Grouped project

1.3 Project Proponent

Bangkok Green Power Co. Ltd

A single purpose company established to build and operate the LFG to energy project. Bangkok Green Power Co. Ltd is registered in Thailand and is a host country Project Participant.

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PS Natural Energy Co. Ltd,

A single purpose company registered in Thailand and is a host country Project Participant.

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1.4 Other Entities Involved in the Project

Xentolar Holdings Limited is registered in Cyprus and is a non host Project Participant and provided the financing for the project.

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Sindicatum Carbon Capital Ltd. is a privately owned company registered in the UK and is a non host Project Participant providing CDM services to the project proponents.

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1.5 Project Start Date

The date on which the project began generating GHG emission reductions: 08 April 2010

Refer to registered PDD section C.1.1 for CDM start date of the project activity

1.6 Project Crediting Period

VCS project crediting period: renewable crediting period of 10 years × 3 periods (total 30 years) is selected for the project activity (COD date of 08 April 2010 to 07 April 2040)

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	√
Mega-project	

Years	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 2010	220,949
Year 2011	315,502
Year 2012	326,895
Year 2013	335,953
Year 2014	291,771
Year 2015	218,737
Year 2016	169,816
Year 2017	31,981
Year 2018	25,111
Year 2019	21,421
Year 2020	18,597
Total estimated ERs	1,976,734
Total number of crediting years	10

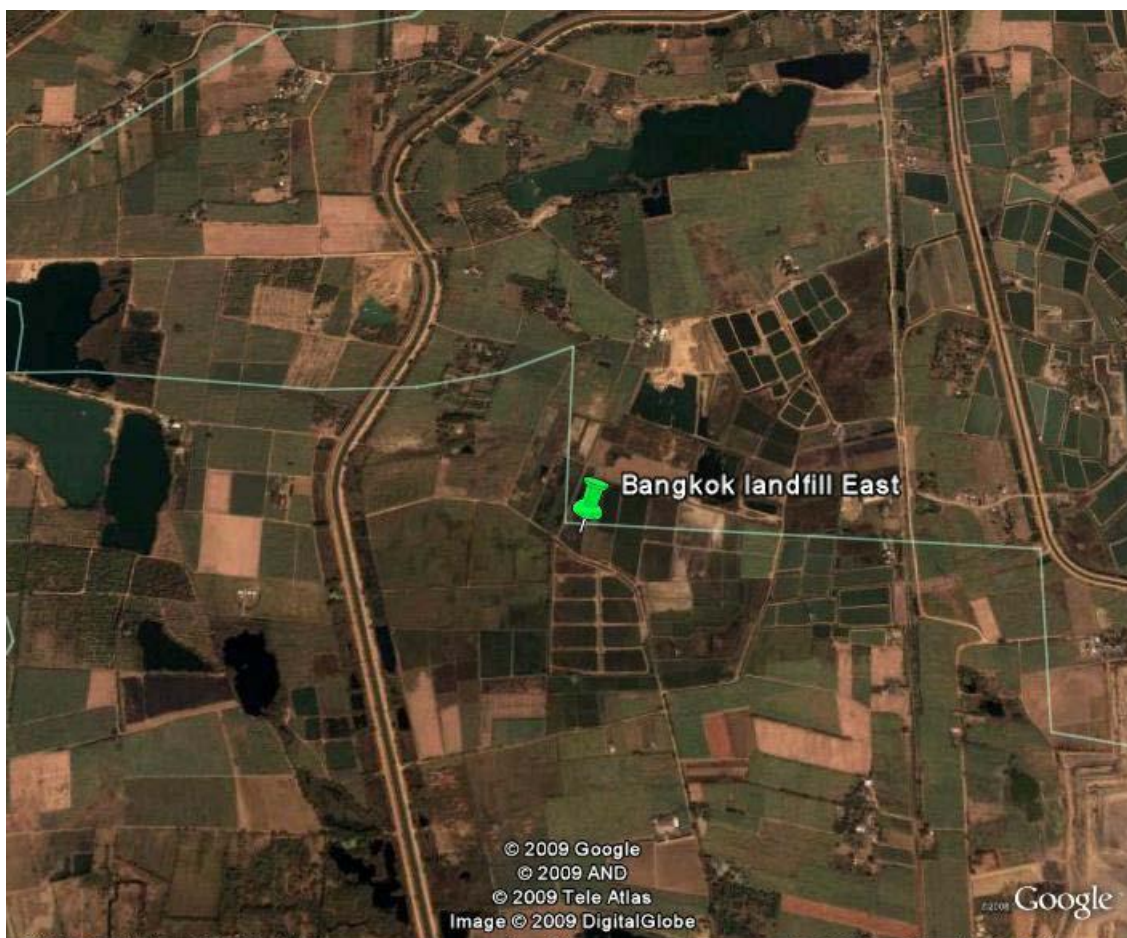
Average annual ERs	197,673
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1.8 Description of the Project Activity

Refer to registered PDD section A.2, A.4.3

1.9 Project Location

This landfill is located at T. Sasimhum, A. Kamphaeng Saen, Nakhon Pathom, 73140.
Its geographic coordinates are 14° 3'50.62"N 99°56'50.96"E





1.10 Conditions Prior to Project Initiation

The scenario existing prior to the start of the implementation of the project activity is atmospheric release of the landfill gas and existing and/or new grid connected power plants for the power generation. Refer to registered PDD section A.2.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

Refer to registered PDD section D.1.

1.12 Ownership and Other Programs

1.12.1 Proof of Title

The Letter of Approval for the project was issued by the Board of Thailand Greenhouse Gas Management Organization (Public Organization) (Designated National Authority for Thailand) to Bangkok Greenpower Co Ltd on 23 July 2009.

1.12.2 Emissions Trading Programs and Other Binding Limits

Not applicable

1.12.3 Participation under Other GHG Programs

The project activity is a registered CDM project (UNFCCC Reference No. 3462), which was registered on 21 January 2011.

1.12.4 Other Forms of Environmental Credit

The project activity is a registered CDM project (UNFCCC Reference No. 3462), which was registered on 21 January 2011. As a registered CDM project, the project is able to claim Certified Emissions Reductions (CERs). Any emission reductions generated from the project starting from the registration date will be verified under the CDM as CERs. Any emission reductions generated outside of the CDM (e.g., emission reductions generated prior to the CDM registration date, which do not qualify as CERs) have been generated voluntarily. Through the application of this project under the VCS, those voluntary emission reductions will be validated and verified as VERs. There will not be any overlap or double counting of the emission reductions from the project since there is a clear delineation between when emissions reductions are generated under the CDM and voluntarily.

1.12.5 Projects Rejected by Other GHG Programs

Not applicable

1.13 Additional Information Relevant to the Project

Eligibility Criteria

Not applicable

Leakage Management

Not applicable

Commercially Sensitive Information

Not applicable

Further Information

Not applicable

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Refer to registered PDD section B.1

2.2 Applicability of Methodology

Refer to registered PDD section B.2

2.3 Project Boundary

Refer to registered PDD section B.3

2.4 Baseline Scenario

Refer to registered PDD section B.4

2.5 Additionality

Refer to registered PDD section B.5

2.6 Methodology Deviations

Not applicable.

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS**3.1 Baseline Emissions**

Refer to registered PDD section B.6.3

3.2 Project Emissions

Refer to registered PDD section B.6.3

3.3 Leakage

Refer to registered PDD section B.6.3

3.4 Summary of GHG Emission Reductions and Removals

Refer to registered PDD section B.6.4

4 MONITORING**4.1 Data and Parameters Available at Validation**

Refer to registered PDD section B.6.2

4.2 Data and Parameters Monitored

Refer to registered PDD section B.7.1

4.3 Description of the Monitoring Plan

Refer to registered PDD section B.7.2

5 ENVIRONMENTAL IMPACT

Refer to registered PDD section D.1

6 STAKEHOLDER COMMENTS

Refer to registered PDD section E.2