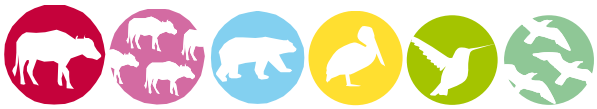
ANNEX R – PASSPORT TEMPLATE

CONTENTS



SECTION A. Project Title

[See Toolkit 1.6]

Title: Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project

Date: 29/08/2013

Version no.: 13

SECTION B. Project description

Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project (hereinafter is referred as "The Project") will extract, capture and utilize landfill gas (LFG) to generate electricity. The LFG will be extracted and captured using Sindicatum Carbon Capital (ordered by Xentolar Holdings Limited, a project participant) proprietary LFG collection system and the electricity generated will be exported to the Thailand grid. Sources & gases included in the project boundary are methane emission from decomposition of waste at the landfill site, CO_2 from Thai grid emission factor and CO_2 from fossil fuel consumption.

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. These scenarios are also the only remaining credible and plausible scenarios, and have been identified as the baseline scenario.

Under project activity, a full integrated LFG collection system will be installed and operated. The extracted gas will be utilized to generate electricity. When the yield of gas is insufficient to supply to the generators, or surplus LFG due to engine maintenance or other site factors, LFG will be sent to an enclosed ground flare where the gas will be flared thus minimise methane emissions and maximising carbon abatement. A diesel generator may be used temporarily where there is no on-site electricity and no availability of electricity from the grid (e.g. during the connection of new engines to the grid). The emission reduction will be achieved by LFG utilization that otherwise would be released the atmosphere and displacing fossil fuel power generation in the Thai grid.

This is expected to achieve emission reduction of 703,501 tCO2 over the first 7 years crediting period.

The project activity will bring a number of benefits to sustainable development, explained as follows:

1. Environmental benefits:

- The project will significantly improve local air quality; and
- The project will create global benefits through reduced impact upon climate change.
- Reduction in the impact of the landfill on its surroundings

The project activity will also ensure that correct management of the landfill is carried out as to optimise landfill gas recovery.

2. Social impacts:

- Improved air quality, through the reduction of odours, will have an impact upon the quality of life for the neighbouring communities
- The utilisation of a renewable source of energy to generate electricity will contribute to

Thailand's sustainable development

- Collection of the landfill gas will improve the safety aspects of the landfill, reducing the dangers of combustion and explosion of methane pockets.
- Moreover, benefit from an additional source of revenue from sales of electricity and sales of CER, will provide reserve funds to secure the future and the continued provision of sanitary waste disposal

3. Economic impacts:

- An additional source of revenue (CER), will help to secure the future and the continued provision of sanitary waste disposal.
- New grid connection and transmission line will assist economic development in the local area as new businesses will be able to set up there

4. Technology transfer:

The project will introduce new technology, design and gas collection techniques to the landfill management sector in Thailand, demonstrating how improved gas capture techniques can improve the capture of methane, resulting in more power generation. The project will utilise Sindicatum Carbon Capital proprietary LFG collection technology currently installed at similar landfill sites in China. The Project will be the first landfill to use this technology on a Thailand landfill and may be replicated for other landfill in Thailand. Transfer of know-how will be performed directly by training or indirectly through the visibility of the project and its interest as a successful local environmental initiative.

Project milestones

Date completed	Milestones information
30 Mar 09	Project Start Date (based on bank transfer for gas rights payment)
April 2009	Start of construction
8 April 2010	Commercial Operation Date (COD) 0.8 MW capacity
3 June 2010	COD 3.0 MW
10 Aug 2010	COD 3.6 MW
5 Oct 2010	COD 4.0 MW
14 March 2009	Relevant documents submitted to DOE for starting CDM validation
21 January 2011	Registered as a CDM project with UNFCCC
26 May 2011	COD 6.0 MW
12 July 2011	COD 6.3 MW
January 2012	VCS VERs (8/4/2010 – 20/1/2011) issued 136,386 tCO_2e
02 July 2012	Changes to the CDM project design of a registered project activity
18 July 2012	COD 8.0 MW
3 August 2012	CDM MR1 (21/1/2011 – 31/5/2011) issuance has been issued 85,138 tCO_2e
3 August 2012	CDM MR2 (1/6/2011 – 31/10/2011) issuance has been issued 123,736 tCO_2e
4 February 2013	Relevant documents submitted to DOE for starting Gold Standard validation
8 February 2013	CDM project post registration change has been accepted
8 February 2013	CDM MR3 (1/11/2011 – 31/3/2012) issuance has been issued 133,695 tCO_2e

SECTION C. Proof of project eligibility

C.1. Scale of the Project

[See Toolkit 1.2.a]

Please tick where applicable:

Project Type	Large	Small
	√	☐
	☐	☐

	☐	☐
	☐	☐
	☐	☐

	☐

C.2. Host Country

The host country, the Kingdom of Thailand, is listed as a Non Annex-1 Party under the UNFCCC. Therefore, Thailand is an eligible state for Gold Standard CDM projects according to the UNFCCC definition.

C.3. Project Type

[See Toolkit 1.2.c and Annex C]

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	☐	√
Does your project activity classify as an End-use Energy Efficiency Improvement project?	☐	√
Does your project activity classify as waste handling and disposal project?	√	☐

Please justify the eligibility of your project activity:

Section 1.2 “Assess project eligibility” of the Gold Standard Toolkit version 2.2 (June 2012) identifies eligibility of projects under Gold Standard as defined by the following aspects:

1) Scale of project activity
2) Host county or state
3) Type of project activity
4) Greenhouse gases
5) Official Development Assistance (ODA)
6) Project timeframe
7) Other Certification Schemes

The project activity meets all of the aspects for GS project eligibility as per the GS Toolkit version 2.2. Details for meeting each aspect are below.

1. Scale of project activity:

Categories of the Project:
Sectoral Scope 13 - Waste Handling and Disposal

The Project activity extracts, captures and utilizes landfill gas (LFG) to generate electricity, using a proprietary LFG collection system. Souces & gases included in the project boundary are methane emission from decomposition of waste at the landfill site, CO_2 from Thai grid emission factor and CO_2 from fossil fuel consumption.

CDM Methodology applied:
ACM0001 version 13 is applicable to landfill gas capture project activities, where the baseline scenario is the partial or total atmospheric release of the gas and the project activities include situations such as:
a) The captured gas is flared; and/or
b) The captured gas is used to produce energy (e.g. electricity/thermal energy)
c) The captured gas is used to supply consumers through natural gas distribution network

The baseline scenario of the project activity is total atmospheric release of LFG. The project activity fulfils conditions a) and b) therefore ACM0001 version 13 is considered as the most applicable methodology.

As a large scale waste handling and disposal CDM project activity that generates CO_2 over 60,000 tons per annum, the project qualifies under this aspect for GS eligibility.

2. Host country or state: The project is located in the Kingdom of Thailand, which is a non-Annex I country as defined by the UNFCCC. Therefore, this project qualifies under this aspect for GS eligibility given that eligible states for GS CDM are those who are Party to the UNFCCC, including the Kingdom of Thailand.

3. Type of project activity: The project has been designed in a way to make use of some of the landfill gas recovered for the delivery of energy services, through extraction, capture and utilization of landfill gas to generate electricity. The project does not make use of waste materials that were already in use in the pre-project situation. Hence, the project activity falls into the waste handling & disposal category, and the project qualifies for GS eligibility with respect to this aspect.

4. Greenhouse gases: Souces & gases included in the project boundary are methane emission from decomposition of waste at the landfill site, CO_2 from Thai grid emission factor and CO_2 emissions from onsite fossil consumption. Since methane and CO_2 are greenhouse gas eligible under the UNFCCC and is accepted under GS, the project meets the eligibility criteria for this aspect.

5. Official Development Assistance (ODA): Since the project does not receive ODA (refer to the ODA Declaration in Annex 1 of this Passport), the project is eligible for GS as it qualifies for this aspect.

6. Project timeframe: The project is categorized as a retroactive project as the project activity is already being implemented at the time of first submission to GS as per the GS Requirements (version 2.2), and is therefore required to undergo Retroactive Registration as per the GS Requirements (version 2.2) and guidance in the GS Toolkit (version 2.2). The project started operating from 8th April 2010, was registered as a CDM project from 21st January 2011, and the GS crediting period is to start from 1st April 2012. The project was also registered with the Verified Carbon Standard (VCS) and a number of pre-CDM VCUs verified for the period 8th April 2010 – 20th January 2011. However, it has been confirmed that retirement or non-issuance of the appropriate VCUs, CERs or GS CERs will be agreed between the PP and the GS TAC in a legally binding agreement prior to GS registration, as to ensure that the total crediting period under all schemes combined does not exceed the UNFCCC crediting period when all carbon credits sought under the GS and other standards or schemes are aggregated in compliance with GS requirements.

Other Certification Schemes: The project does not claim Green or White Certificates, or equivalents; therefore, the project qualifies for GS eligibility for this aspect.

In conclusion, the project activity meets all of the aspects for GS project eligibility as per the GS Toolkit version 2.2.

Pre Announcement	**Yes**	**No**
Was your project previously announced?	☐	√

Explain your statement on pre announcement

There has been no announcement that this project would proceed without CDM. Carbon revenues have always been considered in the development of the project.

C.4. Greenhouse gas

[See Toolkit 1.2.d]

Greenhouse Gas	
Carbon dioxide	√
Methane	√
Nitrous oxide	☐

C.5. Project Registration Type

[See Toolkit 1.2.f]

Project Registration Type	
Regular	☐

Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	√	☐	☐

If Retroactive, please indicate Start Date of project activity dd/mm/yyyy: 30/03/2009

SECTION D. Unique project identification

D.1. GPS-coordinates of project location

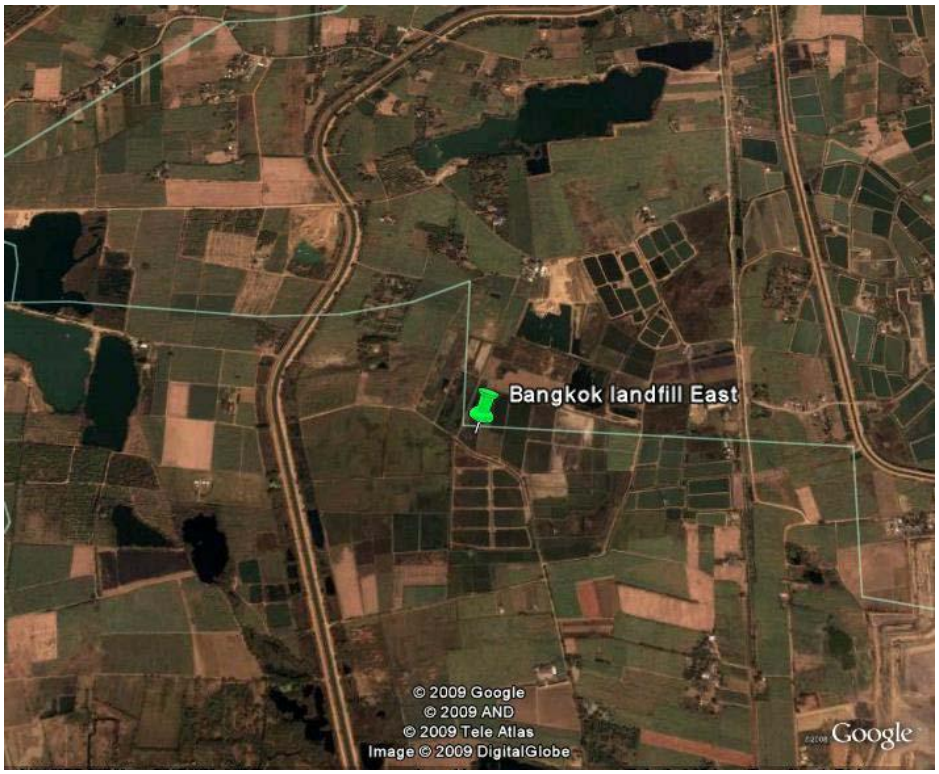
[See Toolkit 1.6]

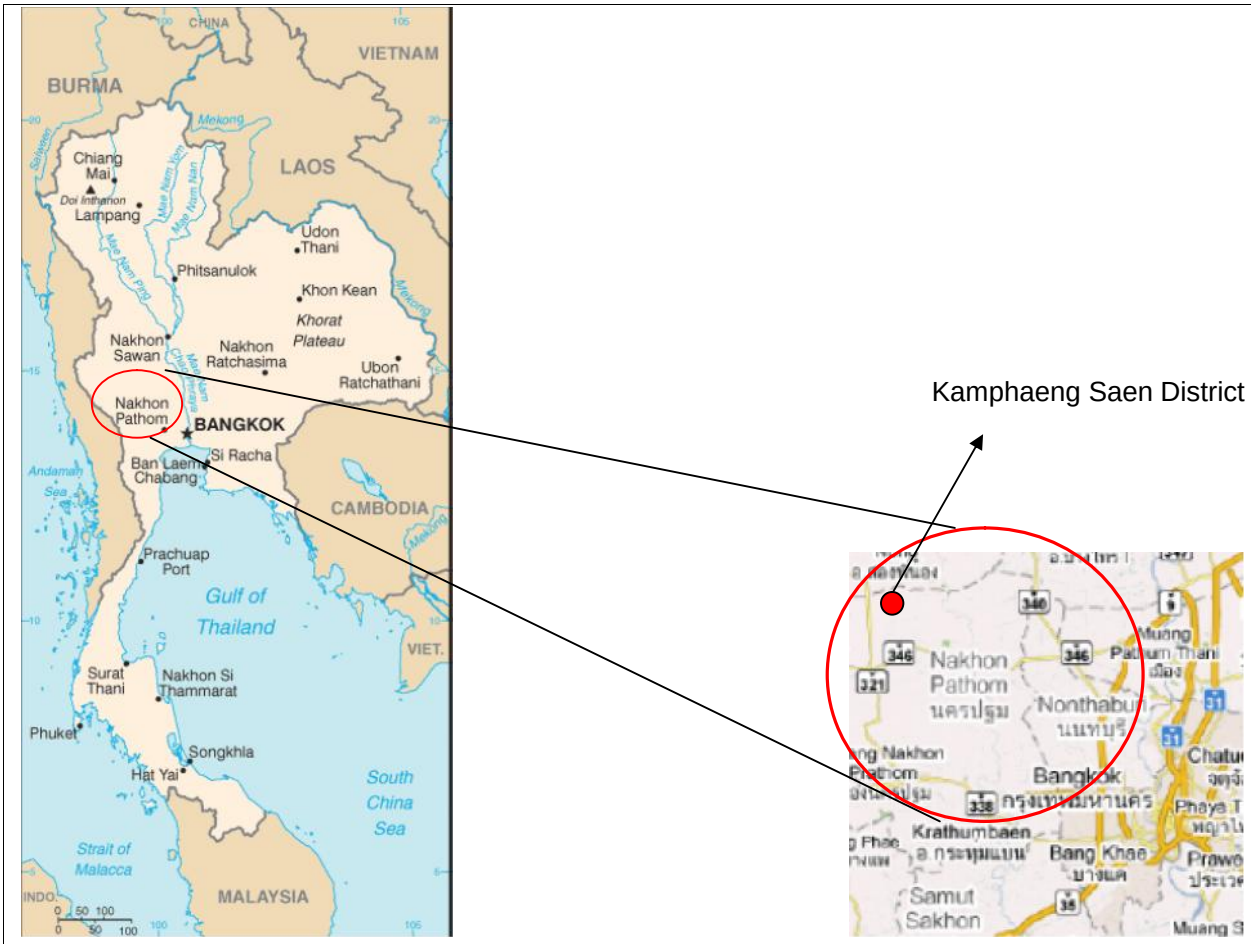
	Coordinates
Latitude	14° 3’ 50.62" N
Longitude	99° 56’ 50.96" E

Explain given coordinates

The coordinates given above are for the landfill located at T. Sasimhum, A. Kamphaeng Saen, Nakhon Pathom, 73140.

D.2. Map





SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

The stakeholder consultation event was held on December 19th, 2008 at Sub district Administration Organization: Tungbua, Kampheang Sean district, near by the project activity. The event was organized by Acme Energy Development, Zenith Green Energy, Central Wastewater Development, Bangkok Green Power and Sindicatum Carbon Capital (SCC). A number of stakeholders were invited to attend the meeting, including representatives of the government, local officials, NGOs, academic institutions, members of the local community living in the project area and others. 118 stakeholders in total participated in the meeting, and a full list of attendees was available to the DOE during validation.

During the stakeholder consultation, detailed information about the project and its benefits were presented by the project advisor and the project owner to the participants who attended the meeting. The event provided a forum for all stakeholders to raise questions about pollution, safety and any other issues regarding the project and to share opinions. The landfill and brief of existing wastewater treatment, was represented by the project engineer. Sindicatum Carbon Capital represented the CDM project consultant. The technology supplier was also presented to answer questions regarding the landfill collecting gas system, gas engine technology and CDM-related issues respectively**.**

A Q & A session was announced at the event, which questions were invited from the related parties. Besides the Q & A session, all participants were given a questionnaire which covered various impacts the project may have on i) the environment, ii) social development, and iii) economic and technical development.

Overall comments received through the Q & A session and the questionnaire were positive. Specific questions and responses included:

Stakeholder Comment from the first SHC	**Assessment**	**Response to comment**
How to solve the problem of rotten egg gas?	Landfill gas solution	This project can reduce the rotten egg gas because rotten egg gas is a part of landfill gas which was utilized for the project. When the project burns landfill gas, it will be destroyed too.
How much of electricity does the project generate?	Energy production	Landfill was separated in two parts called east site and west site. The east and west site accept solid waste 2,000 tons/day and 3,000 tons/day. The projects will generate less than 10MW per site according to calculation and experience. Each project was separated into 2 companies in order to join the VSPP (Very Small Power Producer). Each company will generate

		up to 8MW.
Has the project estimated the amount of methane from the landfill? Is this amount enough for the project?	Landfill gas sufficiency	This project has estimated the amount of methane. In generating 1 MW, it will utilize 500 m3 at the concentration of 50-55% methane so the amount is enough for the project.
Where is the landfill that accepts solid waste 5,000 tons/day?	Landfill location	The landfill is located in the entrance of Wat Paireunrom, Tungbua Sub district.
Where is the solid waste sent from?	Solid waste source location	Bangkok, Kasetsart University (Kamphaeng Sean Campus) and Kamphaeng Sean District.
Has the methane of landfill been finished? What will the owner manage the power plant when the methane is finished?	Methane supply sustainability	In the operating landfill, landfill always produces methane. Normally, the methane will be utilized around 3 months after buried. If methane is not utilized, it will volatilize to the atmosphere. The volatilization is around 30 years but this project is utilized methane. The end time of the landfill gas will be faster. When the landfill gas is finished, the power plant will be move to the other sites.
What is the advantage and disadvantage from the project which is located in Tungbua Sub district?	Characteristics of project activity	The project has several advantages as follows: 1) It will employ local people and give advantage to the locality in doing so; 2) It utilizes clean energy which will decrease the construction of power plant that used fossil fuel; 3) It will reduce the odor

		of the landfill because the landfill gas is utilized to generate electricity; 4) After the landfill gas is finished, the solid waste will be dug to make compost; 5) The project is not concerned in secondary pollutant (Dioxin) from burning fuel and coal.
Will the project make vibration, noise, heat wave and magnetic wave?	Project environmental impact	In the operating time, it will set up a small office in the container. The officer will work in this area 24 hours. The small office will be designed as Department of Labor Standard. Moreover, the container is like a buffer to protect the heat and noise from the engine. If the heat releases, the painted color of the container will be swell. Anyway, noise at the distance 1 meter from the container is estimated at 45-50 dB, which is less than the roadside. For magnetic wave, the project is used general generator.

The questions mainly focused on acquiring more understanding of the project in general. The questions were basically answered by the SCC, with additional explanation on technical details by Central Wastewater Development and Bangkok Greenpower. No significant negative reaction or comments were received due to the project activity. Thus the comments received do not create the need to modify project design.

E.2. Stakeholder Feedback Round

Please describe report how the feedback round was organised, what the outcomes were and how you followed up on the feedback.

[See Toolkit 2.11]

Local Stakeholders' Consultation 2 (Feedback Round)

Due to the previous stakeholders' consultation not covering all of the agenda of meeting as per guidance in the GS Toolkit (version 2.2), a physical stakeholder feedback round was organized to cover the three main points:

- Discussion of continuous input /grievance mechanism
- Blind SD exercise
- Discussion on monitoring SD

The project company, Zenith Green Energy and Sindicatum Carbon Capital organized the SFR which was held on February 13th, 2013 at Zenith Green Energy Co., Ltd: 79 Moo 8, Tungbua sub-district, Kampheang Sean district near to the project. The SFR physical meeting proposed to follow up the comments from the stakeholders and discuss on the three points which were not included in the previous stakeholders' consultation above.

The physical meeting for both this project and the Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project, was held at the same time as the projects are close by to each other, have been developed via the same investor and project coordinator, and designed in the same way. It was therefore easier to invite stakeholders to one event rather than two in which much of the same information would have been repeated. This is consistent with the original stakeholder consultation which was jointly held between the two projects.

The aim of the stakeholders' consultation was to invite local people who may be impacted by the project including two sub-district organisation who are local policy makers; Tungbua organisation and Srasimum organisation and also included Thailand DNA, Local NGOs, Local Gold Standard expert and Local Gold Standard NGOs supporter.

A total of 152 people were invited to comment in the Stakeholder Feedback Round(SFR) , 146 people; 42 people who were female and 103 people who were male (1 person gender not verified) were invited to attend the SFR physical meeting. The invitation letter and relevant documents which included the Agenda, Confirmation form, Non-Technical Summary and Summary of the previous stakeholders' consultation were sent to all of the invitees by Post, Email, and hand delivered to the local organization (Tungbua organisation and Srasimum organization). A public advertisement was also announced at the local university.. In addition, 6 people (gender not verified) of the stakeholders and Internaltional Gold Standard NGOs supporter; Greenpeace International, HELIO International, Mercy Corps, REEEP, World Vision Australia and WWF International were encouraged to send questions or comments by email or calling. However, no any comments or questions received.

50 people, 21 people who were female and 29 people who were male; attended the SFR physical meeting which included 4 people from Office of Natural Resources and Environmental sector who represented the Thailand Designated National Authority (DNA) known as TGO.. However, all of the local NGOs, local Gold Standard experts and Gold Standard Supporter NGOs who were invited were unable to attend the meeting.

The project manager and staff were introduced and then the presentation was made by the project staff, with technical support from Sindicatum Carbon Capital, the Project advisor. All presentations were made in Thai language. Company and project introduction and explanation were introduced during the SFR physical meeting.

During session of the blind sustainable development exercise, resulting of the stakeholders comments on the blind sustainable development matrix was positive comment in particularly of 12 indicators which covered three categories of sustainable development; Environment, Social Development and

Economic and Technological Development.

The five monitoring indicators were agreed and satisfied by the participants during the sustainable monitoring plan discussion which including of the following:

1. Air quality – SO_2, NO_x reduction
2. Quality of Employment – Health and safety training and skill development training
3. Access to affordable clean energy services – Amount of fuel consumption are avoided (N/B. this parameter was later removed from the sustainable development monitoring plan)
4. Employment and quantitative income generation – Number of employment
5. Technology transfer and technological self-reliance – Number of visitors from other organisations.

During the course of validation, access to affordable clean energy services indicator has been removed from the monitoring plan to be consistent with the sustainable development scoring.

A Question and Answer session was announced at the event. Overall comments and questions were given from the participants were positive as shown in the table below.

Stakeholder Comment from the second SHC	**Assessment**	**Response to comment**
Ask for streets lights along the road.	Return benefits to the community	The project will propose this query to senior executives for their consideration and will consult the possibility with related organizations. Note the provision of lighting may be outside the jurisdiction of the project owners and therefore it would have to be done with the local organization responsible.
Concern about the daily income of the project from selling electricity.	Project financial	The daily income depends on the cost of electricity selling time; peak and off-peak. Therefore, the rate fluctuates.
Does the project pay corporate tax?	Return benefits to the community	The project has paid the corporate tax according to Thai law.
Can the electricity charges be free for Tungbua sub-district?	Return benefits to the community	The project does not have authority to do this as the electricity is exported to the grid and is under the authority of PEA.
Concern about odour during construction of gas collection process at landfill	Landfill gas solution	The project is improving the construction speed to reduce odour during that process. Overall, the odour is reducing due to efficient

		gas collection from the landfill
Concern about where is the company of is located.	Project location	The registered office moved from Bangkok to Tungbua sub-district permanently since the beginning of 2012. Therefore, we are now only having an office here.
Concern about the cooperation between the project and Tungbua community.	Cooperation with community	The project owners would also like to increase cooperation and plan to give out scholarship to students in Tungbua sub-district, start an internship program with the University nearby and support other activities.
Concern that the blind sustainable development assessment is not so simple to understand.	Blind sustainable development assessment	The project needed to get a clear assessment completed and it is important that the stakeholders understand the exercise. Therefore, it was again explained how the assessment is done by using positive (+1), neutral (0) and negative (-1). These comments will be feedback to the Gold Standard
Concern about how the public will know of the result of environmental monitoring.	Participation of the community	The project owners will increase the community participation in the related activities so that updates can be given on the status of the project, including monitoring and compliance.
Concern about input and grievance mechanism providing.	Participation of the community	The project owner allows for continuous input and grievances via website, email and telephone. However, taking into account the stakeholder comments, a number of opinion boxes will be provided and placed in a location that is accessible by local people.

Concern about the noise level monitoring.	Project environmental monitoring	The project always monitors once a year according to Thai regulation and the results to date have always been under the standard.
Concern about the understanding of biodiversity in the blind sustainable development assessment.	Blind sustainable development assessment	The project owner has explained again how this works using a simple and clear explanation.

From the Q&A session, the stakeholders proposed that Noise level should be included in the monitoring plan as this is something that they were concerned about and is included in the Thai regulations. Taking into account the stakeholders comment, Noise level, as the chosen parameter for the indicator “Other pollutants”, has been added to the sustainable monitoring plan as stated in section G. The stakeholders also gave comments about the continuous input and grievance mechanism, and that the project should provide an additional route to communicate any inputs or grievances, The project owners have taken these comments into account and are cooperating with the appropriate local organization to install the opinion boxes in a location that is accessible by the local people.

Other relevant details and documents was shown below as following list:

1. Invitation tracking table
2. Text of individual invitations
3. Text of public invitations
4. List of participants
5. Non-Technical Summary
6. Original evaluation forms

1. Invitation tracking table

Category Code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Watniyomtham mawararam school	Athikarn Sakkhuna	post	31/1/2013	Y
A	Huayplakod School	Chalerm Muangnok	post	31/1/2013	N
A	Nongpongnok School	Bot Muangnok	post	31/1/2013	N
A	Watniyomtham mawararam school	Parinya Sumchinda	post	31/1/2013	N
A	Faculty of Engineer ,Kasetsart University at Kampeang-sean	Bunma Panpradit	post	31/1/2013	N

A		Tawatchai Tongdon-muan	post	31/1/2013	N
A		Nikorn Tongdon-muan	post	31/1/2013	N
A		Pan Laosap	post	31/1/2013	N
A		Lawan Ruenkam	post	31/1/2013	N
A		Wichian Tongdon-muan	post	31/1/2013	N
A		Werawat Tepmala-pimsiri	post	31/1/2013	N
A		Sa-ngad Tongdon-muan	post	31/1/2013	N
A		Charan Budpao	Tungbua Organisation	31/1/2013	N
A		Chakyut Ruengkdet-warakun	Tungbua Organisation	31/1/2013	N
A		Danai Aumbang-yung	Tungbua Organisation	31/1/2013	N
A		Kamron Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Prachuab Chamklin	Tungbua Organisation	31/1/2013	N
A		Chamrat Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Chamlong Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Precha Laopiam	Tungbua Organisation	31/1/2013	N
A		Chaipon Tongdon-pum	Tungbua Organisation	31/1/2013	Y
A		Pilaipon Ploysritammachart	Tungbua Organisation	31/1/2013	N
A		Toey Seanghiran	Tungbua Organisation	31/1/2013	Y
A		Siwamok Tepmalapansiri	Tungbua Organisation	31/1/2013	N
A		Orathai Tongdon-muan	post	31/1/2013	N
A		Tor Seanghiran	Tungbua Organisation	31/1/2013	Y

A		Suchart Chamklin	Tungbua Organisation	31/1/2013	N
A		tongkam Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Pring tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		udom Chethuen	Tungbua Organisation	31/1/2013	N
A		Wikanda Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Saisunee Seanghiran	Tungbua Organisation	31/1/2013	Y
A		Nguan Tongdon-muan	Tungbua Organisation	31/1/2013	Y
A		Muay Seanghiran	Tungbua Organisation	31/1/2013	Y
A		Khing seanghiran (Plabwang-kla)	post	31/1/2013	Y
A		Nara Tongdon-pum	post	31/1/2013	Y
A		Bunma Pochinda	post	31/1/2013	Y
A		Prasart Srisan	post	31/1/2013	Y
A		La-aor Tangpim	post	31/1/2013	Y
A		Wanna Anawacha-suk	post	31/1/2013	Y
A		Samran Pochinda	post	31/1/2013	Y
A		Supanee Chancha-ruensri	post	31/1/2013	Y
B	Tungbua Organisation	Serm Muangnok	post	31/1/2013	Y
B	Tungbua Organisation	Santi tanaponlerd	Tungbua Organisation	31/1/2013	Y
B	Srasimum Organisation	Phuri nedsuwan	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Mongkon Luankho	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Teerawat Pipatpon-chart	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Sombat Chamseang-ngarm	Srasimum Organisation	31/1/2013	Y

B	Srasimum Organisation	Piek Nitipong-pan	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Tuan Rasri	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Apinan Rasri	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Bamrung-sak Yurbangsai	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Noppadon Sratong-chan	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Rewadee Srasong	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Sanit Saikeaw	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Panumas Chuern-kromrak	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Rungroch Kittitaworn	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Somsri Chamnong-tong	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Sutin Nedsuwan	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Pakkapong Pongpiriya-chit	Srasimum Organisation	31/1/2013	N
B	Srasimum Organisation	Aekachai Ruennusarn	Srasimum Organisation	31/1/2013	Y
B	Srasimum Organisation	Chaiset Srisarn	Srasimum Organisation	31/1/2013	Y
B	Tungbua Organisation	Bunprom Sasai	post	31/1/2013	Y
B	Tungbua Organisation	Bunchu Chiang-ngor	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Ponchai Sapyen	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Kamon Muangnok	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Marasa Karnbun	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Chaliew Skueyai	Tungbua Organisation	31/1/2013	Y

B	Tungbua Organisation	Sombat tongmon-tho	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	samran Tongdon-muan	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Chartchai Hengsuwan	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Chitnucha Ruengbub-pa	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Chutipan Chankampa	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Taweechai Seangsri	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Supansa Puapirun	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Bunnak Butdee	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Prasit pinmanee	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Preeda Noklek	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Amornrat Muangnok	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Ponpan Tongdon-muan	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Ponsri Piriyapanich	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Mahakka-pan Tukmai	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Arun Wonglakorn	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Chaluay srimaha-phot	post	31/1/2013	Y
B	Tungbua Organisation	Laksika chimkun	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Worapon Joi-kroi	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Nuan Muangnok	post	31/1/2013	N
B	Tungbua Organisation	srirat Srisong-hong	Tungbua Organisation	31/1/2013	Y

B	Tungbua Organisation	Prasert Srisan	post	31/1/2013	N
B	Tungbua Organisation	Sompong Tongdon-muan	post	31/1/2013	Y
B	Tungbua Organisation	Somsak Laosap	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Sathit Prasansin	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Samart Pettong	post	31/1/2013	N
B	Tungbua Organisation	Serm Sukdee	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Orapon Kraiwithit	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Anon Thassa	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Saifon Pansang	post	31/1/2013	N
B	Tungbua Organisation	Kittipak Yibchan	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Bunsong Nanopsun-tonsin	post	31/1/2013	N
B	Tungbua Organisation	Supakorkn Patchanok-kunasin	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Aumpon Taowan	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Nit Chankampa	Tungbua Organisation	31/1/2013	N
B	Tungbua Organisation	Pratuan Jay-tuan	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Pan Takong	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Manas Joi-roi	Tungbua Organisation	31/1/2013	Y
B	Tungbua Organisation	Pranee Laopiam	post	31/1/2013	Y
B	Kamphaeng Saen police station	POL.SEN.SGT.MAJ.Prayad hantong	Tungbua Organisation	31/1/2013	Y
B	Head of villager office Moo 9	Peera Sriyotha	Tungbua Organisation	31/1/2013	N

B	Head of villager office Moo 9	Berm Chankampa	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 9	Chaluay Chaicharoendee	post	31/1/2013	N
B	Head of villager office Moo 8	Paitun Nanopsunthonsin	Tungbua Organisation	31/1/2013	Y
B	Head of villager office Moo 8	Samarn Panwong	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 7	Sompon Joi-roi	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 7	Supab Srisan	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 6	Wichian chusap	Tungbua Organisation	31/1/2013	Y
B	Head of villager office Moo 5	Charun Muangnok	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 5	chirapat Muangnok	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 4	Arun Joi-roi	post	31/1/2013	N
B	Head of villager office Moo 4	Chan Muangnok	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 4	Charat Muangnok	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 4	Pong Nunoi	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 4	Wirat Muangnok	post	31/1/2013	N
B	Head of villager office Moo 3	Paitun Lerujiralai	post	31/1/2013	Y

B	Head of villager office Moo 2	Jamnong muangnok	Tungbua Organisation	31/1/2013	Y
B	Head of villager office Moo 2	Sod Chiang-ngor	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 11	Chaluay thamlangka	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 11	Tongsuk Kanha	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 11	Pratum Worawong	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 10	Pensri Pakdee	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 10	wiwat Noysopa	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 10	Sombun Kinha	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 1	Wichai butdee	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 1	Bunmee Kunsila	Tungbua Organisation	31/1/2013	N
B	Head of villager office Moo 1	Wichan Chiang-ngor	Tungbua Organisation	31/1/2013	Y
B	Head of villager office Moo 1	Sangwian Tongdon-muan	Tungbua Organisation	31/1/2013	Y
B		sanit joi-roi	Tungbua Organisation	31/1/2013	Y
C	TGO	Temporary Director of TGO	post and email	31/1/2013	N
C	REO5	Sitthichai Meechai	Directly invited by TGO (Thai DNA)		Y
C	REO5	Aek-on Keawkao	Directly invited by TGO (Thai DNA)		Y

C	REO5	Panudda phumeejun-ya	Directly invited by TGO (Thai DNA)		Y
C	REO5	Kakanang Thirawut	Directly invited by TGO (Thai DNA)		Y
D	MTEC	Tassanee-wan Chomin	post	31/1/2013	N
E	Gold Standard Foundation	Annyta Luo	email	31/1/2013	N
F	NGOs - Renewable Energy Institute of Thailand, REIT	Wanun Permpibul	email	31/1/2013	N
F	NGOs - Dhammanart Foundation	Songklod Indhukarn	post and email	31/1/2013	N
F	NGOs - Appropriate Technology Association (ATA)	Director of Foundation	email	31/1/2013	N
F	Greenpeace International		email	6/3/2013	N
F	HELIO International	Helene O'Connor-Lajambe	email	6/3/2013	N
F	Mercy Corps	Jarvi Jim	email	6/3/2013	N
F	REEEP	Katrin Harvey	email	6/3/2013	N
F	World Vision Australia	Dr. Dean C Thomson	email	6/3/2013	N
F	WWF International	Bella Roscher	email	6/3/2013	N

2. Text of individual invitations (Only samples provided)

A. By post, hand delivered by Tungbua and Srasimum organization in local language

หนังสือเชิญเข้าร่วมประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 2

วันที่ 30 มกราคม พ.ศ. 2556

เรียน คุณภานุมาศ ชื่นกรมรักษ์
สิ่งที่แนบมาด้วย

1. แบบตอบรับการเข้าร่วมประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 2
2. แผนที่บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด
3. กำหนดการการประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 2
4. ข้อมูลสรุปโดยย่อของโครงการ
5. สรุปผลการประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 1

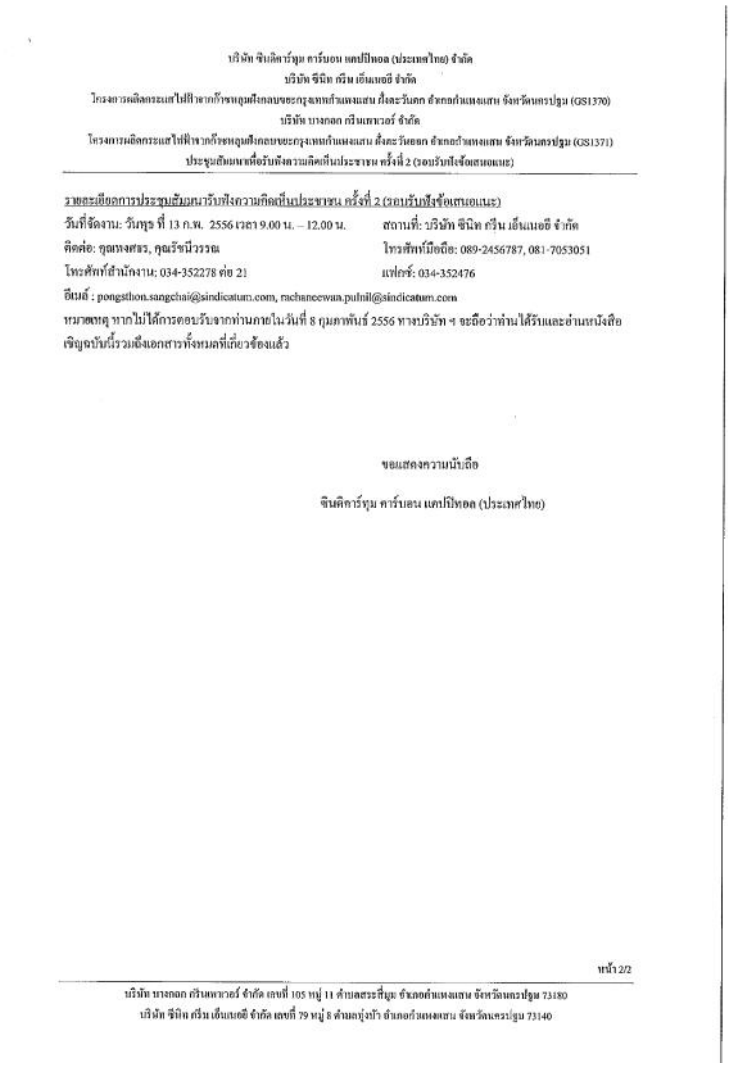
บริษัท ซินคิดาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด ใคร่ขอเรียนเชิญท่านเข้าร่วมประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ) ของโครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตั้งตะวันออก และโครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตั้งตะวันตก ทั้งนี้เพื่อติดตามผลจากการประชุมสัมมนาเพื่อรับฟังความเห็น ครั้งที่ 1 ซึ่งได้ถูกจัดขึ้นไปแล้วในวันที่ 19 ธันวาคม 2551 ณ องค์การบริหารส่วนตำบลทุ่งบัว อำเภอกำแพงแสน จังหวัดนครปฐม ซึ่งตั้งอยู่ใกล้เคียงกับพื้นที่โครงการทั้งสอง

โครงการมีเป้าหมายที่จะคัดแยก เก็บรวบรวมและนำก๊าซชีวภาพจากหลุมฝังกลบขยะมาใช้ในการผลิตไฟฟ้า ก๊าซชีวภาพที่ถูกนำมาใช้ในโครงการคือก๊าซมีเทนซึ่งได้จากการย่อยสลายของขยะในหลุมฝังกลบขยะ ทั้งนี้โครงการสามารถช่วยลดการปล่อยก๊าซคาร์บอนไดออกไซด์จากการผลิตไฟฟ้าที่ใช้เชื้อเพลิงที่ไม่มีประสิทธิภาพและเป็นมลพิษ ด้วยเทคโนโลยีที่เป็นมิตรกับสิ่งแวดล้อม โดยโครงการมีเป้าหมายจะใช้กลไกการพัฒนาที่สะอาดเป็นเครื่องมือในการลดก๊าซเรือนกระจก (ก๊าซมีเทน) สำหรับข้อมูลเพิ่มเติมสามารถดูได้จากข้อมูลสรุปโดยย่อของโครงการที่แนบมาพร้อมกันนี้

การประชุมสัมมนาเพื่อรับฟังความคิดเห็นในครั้งนี้จะรวมงานความคืบหน้าของโครงการที่ได้ดำเนินการตามความคิดเห็นที่ได้รับจากการประชุมสัมมนาเพื่อรับฟังความคิดเห็นในครั้งแรก (19 ธันวาคม พ.ศ. 2551) แนะนำมาตรฐานทองคำ และผลกระทบของการพัฒนาอย่างยั่งยืนของทั้งสองโครงการ รวมถึงแผนการพัฒนาอย่างยั่งยืนที่ได้ดำเนินการไปแล้ว กำหนดการประชุมสัมมนา ฯ และสรุปข้อมูลโครงการ โดยย่อได้แนบมาพร้อมกับหนังสือเชิญฉบับนี้ ข้อมูลเพิ่มเติมอื่น ๆ ของทั้งสองโครงการสามารถดูได้จากเวบไซต์ของบริษัท ซินคิดาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด ได้ที่ : http://www.sindicatum.com/portfolio_item/organic-municipal-waste-thailand-kamphaeng-saen-west-east-nakhon-pathom

ทางบริษัท ซินคิดาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด มีความยินดีเป็นอย่างยิ่งหากท่านสามารถเข้าร่วมงานในครั้งนี้ และยินดีรับฟังข้อคิดเห็นรวมถึงคำแนะนำต่าง ๆ สำหรับทั้งสองโครงการ

หน้า 1/2



บริษัท ซินดิคาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด
บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตั้งละวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)
บริษัท บางกอก กรีนเพาเวอร์ จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตั้งละวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)
ประชุมสัมมนาเพื่อรับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ)

รายละเอียดการประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ)
วันที่จัดงาน: วันพุธ ที่ 13 ก.พ. 2556 เวลา 9.00 น. – 12.00 น. สถานที่: บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด
ติดต่อ: พงศธร, คุณรัชนีวรรณ โทรศัพท์มือถือ: 089-2456787, 081-7053051
โทรศัพท์สำนักงาน: 034-352278 ต่อ 21 แฟกซ์: 034-352476
อีเมล์ : pongsthon.sangchai@sindicatum.com, rachaneewan.pulnil@sindicatum.com
หมายเหตุ หากไม่ได้การตอบรับจากท่านภายในวันที่ 8 กุมภาพันธ์ 2556 ทางบริษัท ฯ จะถือว่าท่านได้รับและอ่านหนังสือเชิญฉบับนี้รวมถึงเอกสารทั้งหมดที่เกี่ยวข้องแล้ว

ขอแสดงความนับถือ

ซินดิคาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย)

หน้า 2/2

บริษัท บางกอก กรีนเพาเวอร์ จำกัด เลขที่ 105 หมู่ 11 ตำบลสระสี่มุม อำเภอกำแพงแสน จังหวัดนครปฐม 73180
บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด เลขที่ 79 หมู่ 8 ตำบลทุ่งบัว อำเภอกำแพงแสน จังหวัดนครปฐม 73140

Translation in English:

Sindicatum Carbon Capital
Zenith Green Energy Co., Ltd.
Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project (GS1370)
Bangkok Greenpower Co., Ltd.
Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project (GS1371)
Gold Standard Stakeholders' Consultation 2 (Feedback Round)

Invitation Letter

Dear Mr. Panumas Chuernkromrak,

We cordially invite you to participate in the Gold Standard Stakeholder Feedback Round Consultation in relation to Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project and Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project. This feedback round is a follow up to the first stakeholder consultation that took place on December 19th, 2008 at the Sub district Administration Organization: Tungbua, Kamphaeng Saen nearby to the projects.

The Projects aim to extract, capture and utilize landfill gas (LFG) to generate electricity. Sources of gases included in the project boundary are methane gas from decomposition of waste at the landfill site. Emission reduction of CO_2 from electricity generation replaces the non-efficient, polluting with environmentally friendly. The Project aims to use CDM standard to reduce the green house gas (Methane). For further details please refer to the non technical summary herein attached.

The theme of this consultation is to update you on the progress of the projects taking into the comments from the previous Stakeholder Consultation (19th Dec, 2008), introduce the Gold Standard and the sustainable development impacts of these projects including the Sustainable Monitoring plan that has been implemented. A full agenda is included with this invitation, as well as a short summary of the projects. Further project document information can be viewed on the Sindicatum website: http://www.sindicatum.com/portfolio_item/organic-municipal-waste-thailand-kamphaeng-saen-west-east-nakhon-pathom

We greatly appreciate if you can attend the event and welcome your comments and inputs on these projects,

SHC Meeting 2 Details
Date: Wednesday, the 13rd of February 2013 at 9.00 hrs.-12.00 hrs.
Venue: Zenith Green Energy Co., Ltd.
Contacts: Mr. Pongsthon, Ms. Rachaneewan
Telephone: +66 89-2456787, +66 81-7053051 Fax: +66 34-352476
Email: pongsthon.sangchai@sindicatum.com, rachaneewan.pulnil@sindicatum.com

PS, if we get no response from you within Friday, the 8th of February 2013, will consider that you received and read the invitation and relevant documentations.

Sincerely,
Sindicatum Carbon Capital

Bangkok Greenpower Co., Ltd. 105 Moo 11 Srasrimum Kampangsaen Nakornpatom 73180
Zenith Green Energy Co., Ltd. 79 Moo 8 Tungbua Kampangsaen Nakornpatom 73140

B. By email

The stakeholders and other Gold Standard NGOs supporter; Greenpeace International, HELIO International, Mercy Corps, REEEP, World Vision Australia and WWF International were encouraged to send questions or comments by email or calling.

Rachaneewan Pulnil

From: Rachaneewan Pulnil
Sent: 31 มกราคม 2556 10:30
To: 'wanunp@yahoo.com'
Cc: Jay Mariyappan; Michelle O'hare; Pongsthon Sangchai
Subject: Gold Standard Stakeholders' Consultation - Bangkok Kamphaeng Saen: Landfill Gas to Electricity
Attachments: BKK SHC2_Invitation Letter_Ms.Wanun.pdf; BKK SHC2_Confirmation Form_en.pdf; BKK SHC2_Agenda_en.pdf; BKK SHC2_Non-Technical Summary_en.pdf; BKK SHC2_Summary of SHC1_en.pdf; KS Landfill-Zenith Green Energy_Map.pdf

Dear Ms.Wanun Permpibul,
Attached :

1. Invitation Letter
2. Confirmation Form
3. Agenda
4. Non-Technical Summary
5. Summary of 1st Stakeholder Consultation
6. Map

We cordially invite you to participate as a representative of Non-Government Organisation in the Gold Standard Stakeholder Feedback Round Consultation in relation to Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project and Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project which will be held on 13th of February 2013, 9.00 hrs.- 12.00 hrs. at Zenith Green Energy Co., Ltd.

The theme of this consultation is to update you on the progress of the projects taking into the comments from the previous Stakeholder Consultation (19th Dec, 2006), introduce the Gold Standard, the sustainable development impacts of these projects including the Sustainable Monitoring plan that has been implemented and any further comments. A full agenda is included with this invitation, as well as a short summary of the projects. Further project document information can be viewed on the Sindicatum website as link:
http://www.sindicatum.com/portfolio_item/organic-municipal-waste-thailand-kamphaeng-saen-west-east-nakhon-pathom

We greatly appreciate if you can attend the event and welcome your comments and inputs on these projects

SHC Meeting 2 Details
Date: Wednesday, the 13rd of February 2013 at 9.00 hrs.-12.00 hrs.
Venue: Zenith Green Energy Co., Ltd.
Contacts: Mr. Pongsthon, Ms. Rachaneewan
Telephone: +66 89-2456787, +66 81-7053051
Office phone: +66 34 352 278 ext. 21
Fax: +66 34-352476
Email: pongsthon.sangchai@sindicatum.com, rachaneewan.pulnil@sindicatum.com

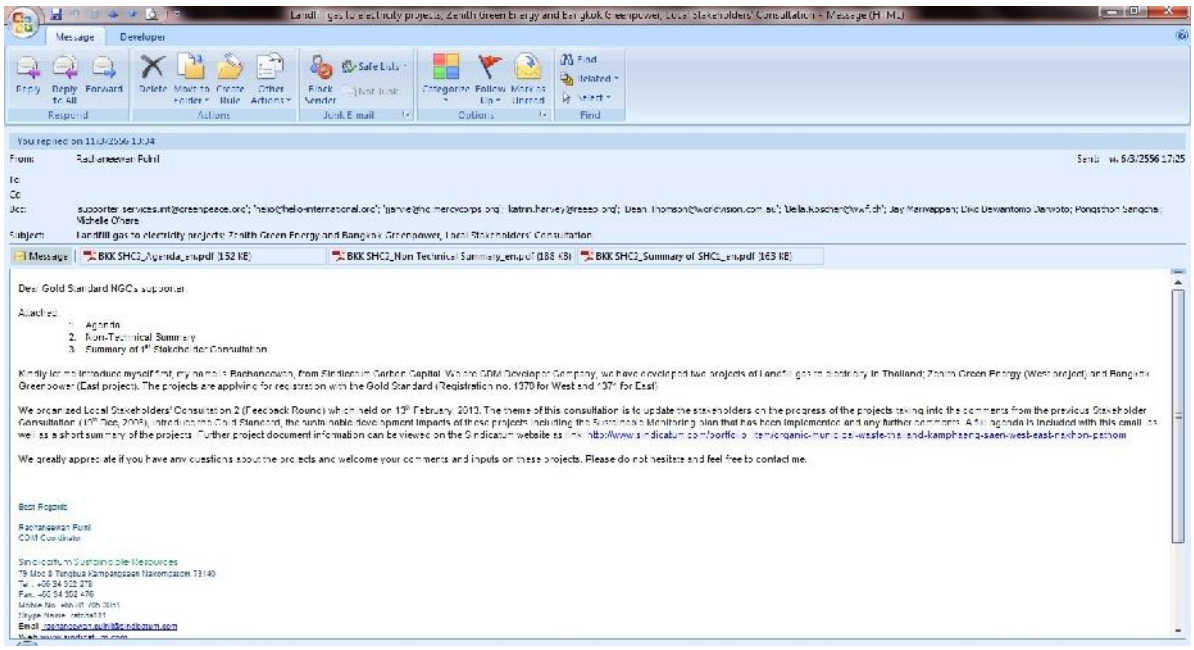
PS, If we get no response from you within Friday, the 8th of February 2013, will consider that you received and read the invitation and relevant documentations.

Best Regards,

Rachaneewan Pulnil
CDM Coordinator

Sindicatum Sustainable Resources
79 Moo 8 Tungbua Kampangsaen Nakornpathom 73140
Tel : +66 34 352 278
Fax: +66 34 352 476
Mobile No: +66 81 705 3051
Skype Name: ratcha111
Email: rachaneewan.pulnil@sindicatum.com
Web www.sindicatum.com

1



Dear Gold Standard NGOs supporter,

Attached:

1. Agenda
2. Non-Technical Summary
3. Summary of 1st Stakeholder Consultation

Kindly let me introduce myself that my name is Rachanaporn, from Sindicatum Carbon Capital. We are CDM Developer Company, we have developed two projects of Landfill gas to electricity in Thailand; Zenith Green Energy (West project) and Bangkok Greenpower (East project). The projects are applying for registration with the Gold Standard (Registration no. 1370 for West and 1371 for East).

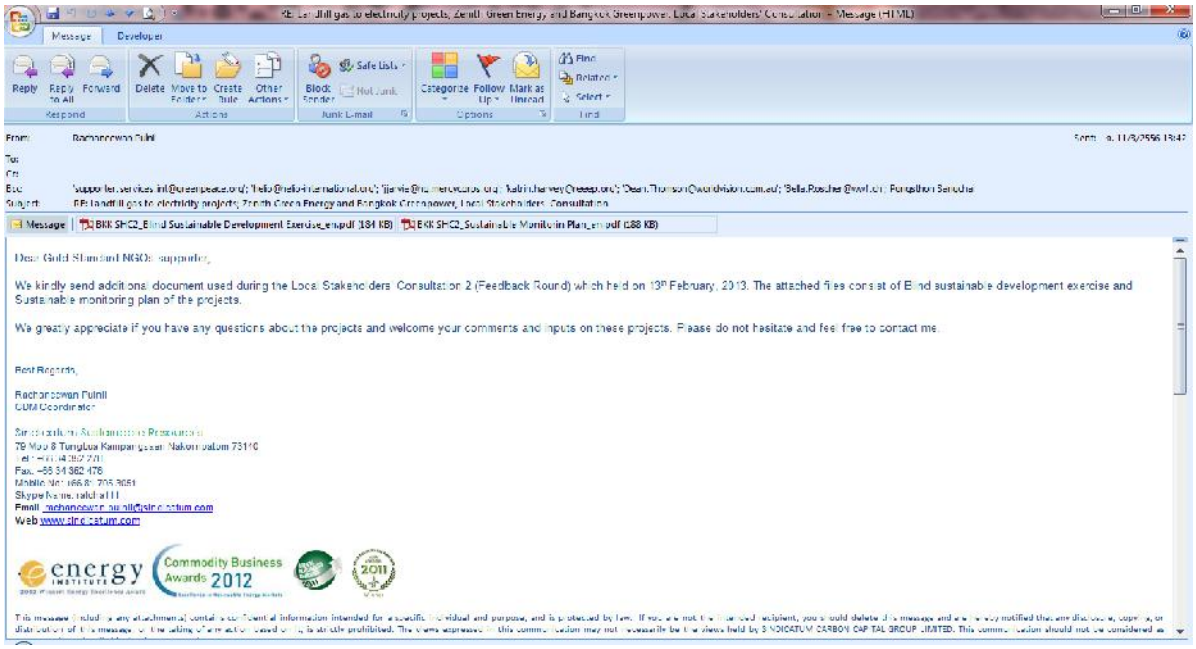
We organized Local Stakeholders' Consultation 2 (Feedback Round) which held on 12th February, 2013. The theme of this consultation is to update the stakeholders on the progress of the projects taking into the comments from the previous Stakeholder Consultation (13th Dec, 2008), undertaken the Gold Standard, the sustainable development impacts of these projects including the Sustainable Monitoring plan that has been implemented and any further comments. A full agenda is included with this email, as well as a short summary of the projects. Further project document information can be viewed on the Sindicatum website as follow: http://www.sindicatum.com/portfolio_item/organic-municipal-waste-to-land-kamphaeng-saen-west-east-nakhon-pathom

We greatly appreciate if you have any questions about the projects and welcome your comments and inputs on these projects. Please do not hesitate and feel free to contact me.

Best Regards,

Rachanaporn Pulnil
CDM Coordinator

Sindicatum Sustainable Resources
79 Moo 8 Tungkua Kampangsaen Nakornpathom 73140
Tel.: +66 34 322 278
Fax: +66 34 382 476
Mobile No: +66 87 705 9051
Skype Name: rachal111
Email: rachanaporn.pulnil@sindicatum.com
Web: www.sindicatum.com



Dear Gold Standard NGOs supporter,

We kindly send additional document used during the Local Stakeholders' Consultation 2 (Feedback Round) which held on 13th February, 2013. The attached files consist of Blind sustainable development exercise and Sustainable monitoring plan of the projects.

We greatly appreciate if you have any questions about the projects and welcome your comments and inputs on these projects. Please do not hesitate and feel free to contact me.

Best Regards,

Rachanaporn Pulnil
CDM Coordinator

Sindicatum Sustainable Resources
79 Moo 8 Tungkua Kampangsaen Nakornpathom 73140
Tel.: +66 34 322 278
Fax: +66 34 382 476
Mobile No: +66 87 705 9051
Skype Name: rachal111
Email: rachanaporn.pulnil@sindicatum.com
Web: www.sindicatum.com

3. Text of public invitations

By posted invitation at Kasetsart University, Kamphaengsaen Campus information board.

4. List of participants

Participants list					
Date and time: February 13th, 2013 at 9:00 hrs.-12:00 hrs.					
Location: Zenith Green Energy Co.,Ltd: 79 Moo 8, Tungbua sub-district, Kampheang Sean district, Nakorn Pathom Province, Thailand					
Category Code	Name of participant, job/ position in the community	Male/ Female	Signature	Organisation (if relevant)	Contact details
B	Taweechai sangsri/Deputy Mayor of Tungbua Org	Male	See Annex 2	Tungbua Organisation	Tell. 087-114-4228 110 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140

A	Athikarn Sakkhuna / Director Of Watniyomtham school	Female	See Annex 2	WatniyomTham school	Tell. 085-378-6566 Watniyomtham School Moo. Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Somsri Chamnongtong /Director Of Nongponglek School	Female	See Annex 2	Nongponglek School	Tell. 089-2099413 25 Moo 10 Srasimooma , Kamphaeng Saen , Nakhonpatkom 73140
A	La-or Tangpim /General Contractor	Female	See Annex 2		Tell. 086-795-6563 48 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Arun Wonglakorn / Head of Administrative Office	Male	See Annex 2	Tungbua Organisation	Tell. 089-612-8637
A	Boonmee Kunsila /Assistant Head of Villager	Male	See Annex 2	Head of Villager office Moo 1	
A	Saman Panwang/Assistant Head of Villager & Agriculturist	Male	See Annex 2	Head of Villager office Moo 8	55 Moo 8 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Eakachai Reunnusarn / Head of Villager	Male	See Annex 2	Srasimum Organisation	Tell. 082-774-2829 68 Moo 21 Srasimum , Kamphaeng Saen , Nakhonpatkom 73140
B	Sinchai Pukyom / Head of Sub-Distric	Male	See Annex 2	Tungbua Organisation	Tell. 087-163-3008 7 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Samart Pettong/ Member of Tungbua Organisation	male	See Annex 2	Tungbua Organisation	Tell . 085-297-1292 142 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom

					73140
A	Wanna Anawachasuk / Officer (Kanya Aumpaichit)	Female	See Annex 2		Tell. 086-665-7469 145 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140 (Tell. 084-367-6954 35 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Prasart Srisan / Sub-distric Doctor & agriculturist	Male	See Annex 2		Tell. 084-319-803329 Moo 7 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Prasert Srisan /Member of Tungbua organisation & Agriculturist	Male	See Annex 2	Tungbua Organisation	Tell. 081-757-7546 99 Moo 7 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Paitun Laorujiralai /Head of villager	Male	See Annex 2	Head of Villager office Moo 3	Tell . 080-6529900 111 Moo 3Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Marisa Karnbun / Personnel of Tungbua Organisation	Female	See Annex 2	Tungbua Organisation	Tell. 081-551-6187, 034-997-064 111/9 Moo 6 Rangpikun , Kamphaeng Saen , Nakhonpatkom 73140
B	Natthanan Chainukunsawat/Member of Tungbua Organisation	Female	See Annex 2	Tungbua Organisation	Tell. 089-006-8585 77 Moo 9 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140

B	somsak Laosap/Driver	Male	See Annex 2	Tungbua Organisation	Tell. 087-160-9167 146 Moo 7 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Amornrat Muangnok /Assistant Supplies officer	Female	See Annex 2	Tungbua Organisation	Tell. 085-824-1178 95 Moo 4 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Ponchai Sapyen/Water supply staff	Male	See Annex 2	Tungbua Organisation	Tell. 082-576-8919 21 Moo 10 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Orapon Kraiwichit/Assistant of water Supply Officer	Male	See Annex 2	Tungbua Organisation	Tell. 081-196-1132 100 Moo 3 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Ponpan tongdonmuan /Assistant revenue collecting officer	Female	See Annex 2	Tungbua Organisation	Tell. 081-192-8780 64/1 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Sangwian Tongdonmuan/Head of Villager	Male	See Annex 2	Head of Villager office Moo 1	Tell. 085-296-1870 Moo 1 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Wichan Chiang-ngor/Assistant head of Villager	Male	See Annex 2	Head of Villager office Moo 1	Tell. 089-985-3519 65 Moo 1 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Kamron Tongdonmuan/Employee	Male	See Annex 2		Tell. 085-262-752675 Moo 6 Tungbua , Kamphaeng Saen ,

					Nakhonpatkom 73140
A	Muay Seanghiran (Atchara Yungpayor)/ General Contractor	Female	See Annex 2		Tell. 091-613-2523 (Tell 090-794-7256) 125/2 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Tor Seanghiran (Yupin Tongdonmuan)/General conktractor	Male	See Annex 2		Tell. 091-613-2523 (Tell 087-349-3630 36 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Supanee chanjaroensri /Agrculturist & Member of Tungbua Organisation	Female	See Annex 2	Tungbua Organisation	Tell. 081-436-7119 51 Moo 1 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Jarun Muangnok/Assistant Head of Villager	Male	See Annex 2	Head of villager office Moo 5	Tell. 087-039-6177 45 Moo 5 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Sanit Joi-roi /Ex-Head of Villager Moo 7	Male	See Annex 2		Tell. 085-293-4675 Moo 7 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Supansa Puapirun /Administrative officer	Female	See Annex 2	Tungbua Organisation	Tell. 082-363-3977 1 Moo 1 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Penksri Pakdee (Peerapan) /Assistant Head of Villager	Female	See Annex 2	Head of Villager office Moo 10	Tell. 085-823-4949 100 Moo 3 Tungbua , Kamphaeng Saen , Nakhonpatkom

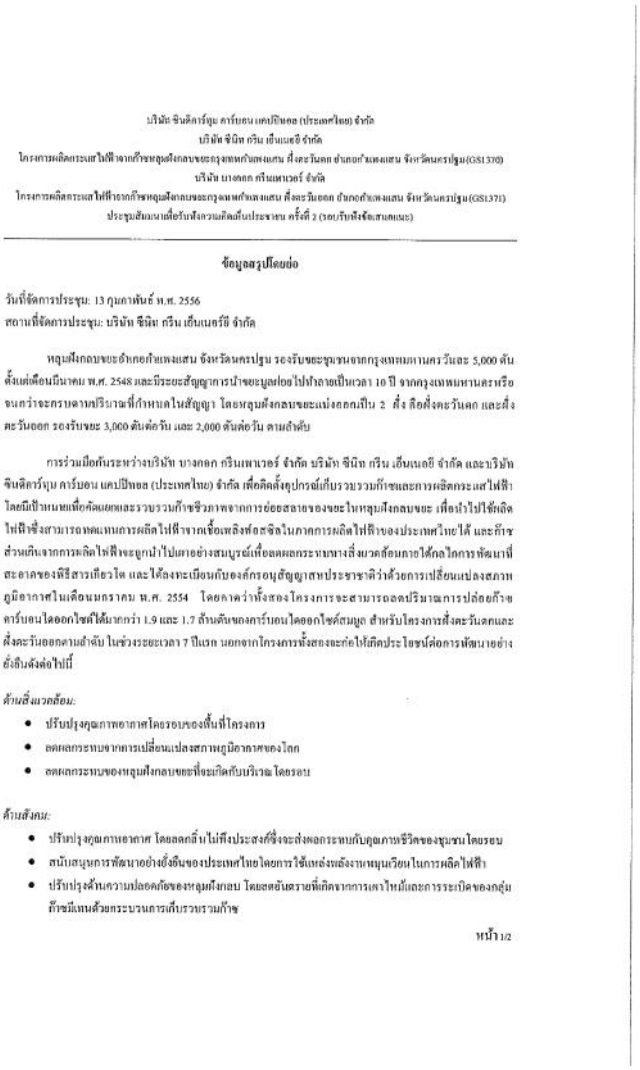
					73140
B	Chaliew Sueyai/Janitor	Female	See Annex 2	Tungbua Organisation	Tell. 082-292-3993 19 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Santi Tanaponlert /Mayor of Tungbua organisation	Male	See Annex 2	Tungbua Organisation	Tell. 081-851-5511 111/1 Moo 8 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Nikorn Tongdonmuan (WeeraTongdonmuan)/General contractor	Male	See Annex 2		22 Moo 6Tungbua , Kamphaeng Saen , Nakhonpatkom 73140 (Tell. 082-174-1494 ; 9 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Tongkam Tongdonmuan/General contractor	Female	See Annex 2		Tell. 090-816-834675 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Saisunee Seanghiran /General contractor	Female	See Annex 2		Tell. 091-613-2523 97/1 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Serm Muangnok/Vice Head of villager health volunteers.	Male	See Annex 2	Tungbua Organisation	Tell. 081-250-3542 45 Moo 5 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140)
A	Pling Tongdonmuan/General contractor	Male	See Annex 2		Tell. 084-367-6954 35 Moo 6 Tungbua ,

					Kamphaeng Saen , Nakhonpatkom 73140)
B	Noppon Sratongchan/Member of Srisamum Organisation	Male	See Annex 2	Srasimum Organisation	Tell. 089-160-8893 28 Moo 21 Srisamum , Kamphaeng Saen , Nakhonpatkom 73140
A	Toey Seanghiran/General contractor	Female	See Annex 2		Tell. 082-250-3839 97 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Khing Seanghiran (Plabwangkla)/General contractor	Female	See Annex 2		Tell. 084-318-6833 145 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
A	Tawatchai Tongdonmuan/General contractor	Male	See Annex 2		Tell. 086-013-9260 9 Moo 6 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
C	Sittichai Srimeechai/Environmentalist scholar	Male	See Annex 2	REO5	Tell 034-275339-40 Office of Natural Resources and Environmental Sector 5 220-222 Yingpao Rd, Sanamchan, Muang, Nakonpatom 73000
C	Aek-on Keawkao /Environmentalist scholar	Female	See Annex 2	REO5	Tell 034-275339-40 Office of Natural Resources and Environmental Sector 5 220-222 Yingpao Rd, Sanamchan, Muang, Nakonpatom 73000

C	Panudda Phumeejunya /Environmentalist	Female	See Annex 2	REO5	Tell 034-275339-40 Office of Natural Resources and Environmental Sector 5 220-222 Yingpao Rd, Sanamchan, Muang, Nakonpatom 73000
C	Kakanang Thirawut /Environmentalist	Female	See Annex 2	REO5	Tell 034-275339-40Office of Natural Resources and Environmental Sector 5 220-222 Yingpao Rd, Sanamchan, Muang, Nakonpatom 73000
B	Bunchu Chiang-ngor/Ex-Mayor of Tungbua Organisation & Agriculturist	Male	See Annex 2	Tungbua Organisation	Tell. 081-858-4147 Moo 2 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Bunnak Butdee /Member of Tungbua Organisation	Female	See Annex 2	Tungbua Organisation	Tell 086-017-8555, 034-351-116 57/1 Moo 2 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Sombat Tongmonto /Member of Tungbua Organisation	Male	See Annex 2	Tungbua Organisation	Tell. 086-767-2576 31/1 Moo 7 Tungbua , Kamphaeng Saen , Nakhonpatkom 73140
B	Phuri Nedsuwan /Mayor Of Srisamum Organisation	Male	See Annex 2	Srasimum Organisation	

5. Non – Technical Summary

Non-technical summary were handed out to all participants during the stakeholder feedback round in local language.



บริษัท ซินคิดาร์บุน คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด
บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพมหานครแพงแสน ตั้งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม(GS1370)
บริษัท บางกอก กรีนเพาเวอร์ จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพมหานครแพงแสน ตั้งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม(GS1371)
ประชุมสัมมนาเพื่อรับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ)

ข้อมูลสรุปโดยย่อ

วันที่จัดการประชุม: 13 กุมภาพันธ์ พ.ศ. 2556
สถานที่จัดการประชุม: บริษัท ซีนิท กรีน เอ็นเนอร์ยี จำกัด

หลุมฝังกลบขยะอำเภอกำแพงแสน จังหวัดนครปฐม รองรับขยะชุมชนจากกรุงเทพมหานครวันละ 5,000 ตัน ตั้งแต่เดือนมีนาคม พ.ศ. 2548 และมีระยะสัญญาการนำขยะมูลฝอยไปทำลายเป็นเวลา 10 ปี จากกรุงเทพมหานครหรือจนกว่าจะครบตามปริมาณที่กำหนดในสัญญา โดยหลุมฝังกลบขยะแบ่งออกเป็น 2 ฝั่ง คือฝั่งตะวันตก และฝั่งตะวันออก รองรับขยะ 3,000 ตันต่อวัน และ 2,000 ตันต่อวัน ตามลำดับ

การร่วมมือกันระหว่างบริษัท บางกอก กรีนเพาเวอร์ จำกัด บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด และบริษัท ซินคิดาร์บุน คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด เพื่อติดตั้งอุปกรณ์เก็บรวบรวมก๊าซและการผลิตกระแสไฟฟ้าโดยมีเป้าหมายเพื่อคัดแยกและรวบรวมก๊าซชีวภาพจากการย่อยสลายของขยะในหลุมฝังกลบขยะ เพื่อนำไปใช้ผลิตไฟฟ้าซึ่งสามารถทดแทนการผลิตไฟฟ้าจากเชื้อเพลิงฟอสซิลในภาคการผลิตไฟฟ้าของประเทศไทยได้ และก๊าซส่วนเกินจากการผลิตไฟฟ้าจะถูกนำไปเผาอย่างสมบูรณ์เพื่อลดผลกระทบทางสิ่งแวดล้อมกรอใก้กลไกการพัฒนาที่สะอาดของพิธีสารเกียวโต และได้ลงทะเบียนกับองค์กรอนุสัญญาสหประชาชาติว่าด้วยการเปลี่ยนแปลงสภาพภูมิอากาศในเดือนมกราคม พ.ศ. 2554 โดยคาดว่าทั้งสองโครงการจะสามารถลดปริมาณการปล่อยก๊าซคาร์บอนไดออกไซด์ได้มากกว่า 1.9 และ 1.7 ล้านตันของคาร์บอนไดออกไซด์สมมูล สำหรับโครงการฝั่งตะวันตกและฝั่งตะวันออกตามลำดับ ในช่วงระยะเวลา 7 ปีแรก นอกจากโครงการทั้งสองจะก่อให้เกิดประโยชน์ต่อการพัฒนาอย่างยั่งยืนดังต่อไปนี้

ด้านสิ่งแวดล้อม:

- ปรับปรุงคุณภาพอากาศโดยรอบของพื้นที่โครงการ
- ลดผลกระทบจากการเปลี่ยนแปลงสภาพภูมิอากาศของโลก
- ลดผลกระทบของหลุมฝังกลบขยะที่จะเกิดกับบริเวณโดยรอบ

ด้านสังคม:

- ปรับปรุงคุณภาพอากาศ โดยลดกลิ่นไม่พึงประสงค์ซึ่งจะส่งผลกระทบกับคุณภาพชีวิตของชุมชนโดยรอบ
- สนับสนุนการพัฒนาอย่างยั่งยืนของประเทศไทยโดยการใช้แหล่งพลังงานหมุนเวียนในการผลิตไฟฟ้า
- ปรับปรุงด้านความปลอดภัยของหลุมฝังกลบ โดยลดอันตรายที่เกิดจากการเผาไหม้และการระเบิดของกลุ่มก๊าซมีเทนด้วยกระบวนการเก็บรวบรวมก๊าซ

หน้า 1/2

บริษัท ซินดิคาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด
บริษัท ซีนิธ กรีน เอ็นเนอยี จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตำบลวังน้อย อำเภอกำแพงแสน จังหวัดนครปฐม(GS1370)
บริษัท บางกอก กรีนเพาเวอร์ จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ตำบลวังน้อย อำเภอกำแพงแสน จังหวัดนครปฐม(GS1371)
ประชุมสัมมนาเพื่อรับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ)

- นอกจากนี้รายได้เพิ่มเติมจากการจำหน่ายไฟฟ้าและการจำหน่ายคาร์บอนเครดิตยังจะช่วยให้อบาลในการดำเนินการกำจัดของเสียสุขาภิบาลสามารถดำเนินต่อไปได้
- ความต้องการแรงงานในการดำเนินงานของโรงไฟฟ้า เพื่อใช้ในการผลิตสามารถเพิ่มระบบและการจัดการภายในโครงการ จะเพิ่มอัตราการจ้างงานให้แก่ประชาชนที่อยู่อาศัยในท้องถิ่น

ด้านเศรษฐกิจ:

- รายได้เพิ่มเติมจากการจำหน่ายคาร์บอนเครดิตจะช่วยให้อบาลในการดำเนินการกำจัดของเสียสุขาภิบาลสามารถดำเนินต่อไปได้
- การเชื่อมต่อโครงข่ายและระบบสายส่งจะช่วยพัฒนาเศรษฐกิจในท้องถิ่นด้วยการจัดตั้งธุรกิจใหม่ในบริเวณนั้น

การถ่ายทอดเทคโนโลยี:

ทั้งสองโครงการจะนำเทคโนโลยีใหม่ในการออกแบบและเทคนิคการเก็บรวบรวมก๊าซมาใช้ภาคการจัดการการหลุมฝังกลบขยะของประเทศไทย โดยแสดงให้เห็นว่าการปรับปรุงเทคนิคการเก็บรวบรวมก๊าซทำให้สามารถเก็บรวบรวมก๊าซมีเทนซึ่งใช้ในการผลิตไฟฟ้าได้มากขึ้น ทั้งนี้โครงการได้ใช้เทคโนโลยีเกี่ยวรวบรวมก๊าซชีวภาพจากหลุมฝังกลบขยะซึ่งเป็นลิขสิทธิ์ของซินดิคาร์ทุม คาร์บอน แคปปิทอล โดยปัจจุบันระบบดังกล่าวได้ถูกติดตั้งไปแล้วในโครงการที่มีลักษณะคล้ายกันที่หลุมฝังกลบขยะในประเทศจีน โครงการนี้จะเป็นโครงการแรกในประเทศไทยที่ใช้เทคโนโลยีดังกล่าวและอาจจะนำเทคโนโลยีนี้ไปปรับใช้กับหลุมฝังกลบขยะอื่น ๆ ในประเทศไทยได้ การถ่ายเทเทคโนโลยีและความรู้โดยตรงที่จะเกิดจากการศึกอบรมหรือโดยทางอ้อมจากการเยี่ยมชมโครงการนี้ถือเป็นการประสบความสำเร็จในการคิดริเริ่มจัดการสิ่งแวดล้อมระดับท้องถิ่น

ทั้งนี้โครงการทั้งสองกำลังอยู่ในช่วงการลงทะเบียนเพื่อได้รับการรับรองมาตรฐานทองคำ ซึ่งถือเป็นรางวัลชนะเลิศสำหรับโครงการลดการปล่อยก๊าซคาร์บอนและเป็นที่รู้จักกันดีในระดับสากลว่าเป็นมาตรฐานที่มีคุณภาพและความเข้มงวดตามข้อกฎเกณฑ์ของตลาดคาร์บอนภาคสมัครใจ

หน้า 2/2

Translation in English:

Sindicatum Carbon Capital
Zenith Green Energy Co., Ltd.
Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project (GS1370)
Bangkok Greenpower Co., Ltd.
Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project (GS1371)
Gold Standard Stakeholders' Consultation 2 (Feedback Round)

Non-Technical Summary

Date and Time of meeting: February 13, 2013

Location of meeting: Zenith Green Power Co., Ltd.

The Bangkok Kamphaeng Saen Landfills handle the municipal solid waste of the capital of Thailand. The landfill sites have a reported daily waste input of over 5,000 tons/day since March 2005 and have 10 years contract to dispose of municipal solid waste with the Bangkok Municipal Authority (BMA) or until the prescribed contract value has been reached whichever is first. The landfill site can be described as two individual sites immediately adjacent to each other; Kamphaeng Sean West and East accepting around 3,000 tons/day and 2,000 tons/day of waste respectively.

Bangkok Greenpower, Zenith Green Energy and Sindicatum Carbon Capital have jointly developed these two projects for gas extraction and power generation. The projects aim to extract, capture and utilize landfill gas (LFG) to generate electricity. Methane gas, a major greenhouse gas, from decomposition of waste at the landfill site will be utilized to generate electricity which will replace fossil fuel generated electricity in the Thai Grid, with any excess landfill gas flared to reduce its impact on the environment. The projects were developed under the Clean Development Mechanism (CDM) of the Kyoto Protocol and registered with the UNFCCC in January 2011. They are expected to reduce carbon dioxide emissions by over 1.9m and 1.7m tonnes of carbon dioxide equivalent (CO_2e) for the West and East project respectively over the first crediting period (2011-2015). Moreover, the project activity will bring a number of the benefits to sustainable development as follows:

Environmental benefits:

- *Improvement in local air quality*
- *Global benefits through reduced impact upon climate change*
- *Reduction in the impact of the landfill on its surroundings*

Social impacts:

- *Improved air quality, through the reduction of odours, will have an impact upon the quality of life for the neighbouring communities*
- *The utilisation of a renewable source of energy to generate electricity will contribute to Thailand's sustainable development*
- *Collection of the landfill gas will improve the safety aspects of the landfill, reducing the dangers of combustion and explosion of methane pockets.*
- *Moreover, benefit from an additional source of revenue from sales of electricity and sales of CER, will provide reserve funds to secure the future and the continued provision of sanitary waste disposal*
- *The project will require labour force to operate the power plant, run daily monitoring and logistically organize the project. This will create new jobs for local residences.*

Economic impacts:

- *An additional source of revenue (CER) will help to secure the future and the continued provision of sanitary waste disposal.*
- *New grid connection and transmission line will assist economic development in the local area as new businesses will be able to set up there*

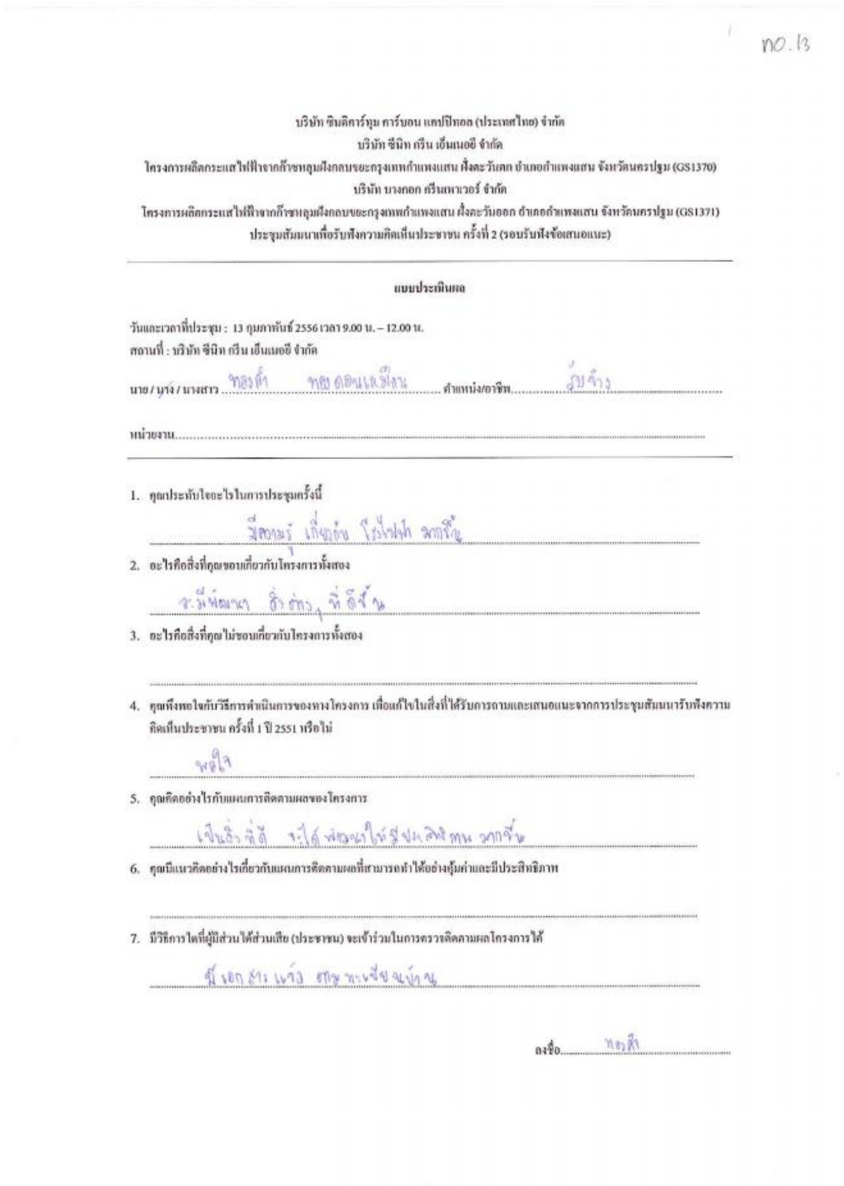
Technology transfer:

The project will introduce new technology, design and gas collection techniques to the landfill management sector in Thailand, demonstrating how improved gas capture techniques can improve

the capture of methane, resulting in more power generation. The project will utilise Sindicatum Carbon Capital proprietary LFG collection technology currently installed at similar landfill sites in China. The Project will be the first landfill to use this technology on a Thailand landfill and may be replicated for other landfill in Thailand. Transfer of know-how will be performed directly by training or indirectly through the visibility of the project and its interest as a successful local environmental initiative.

The projects are applying for registration with the Gold Standard which is an award winning certification for carbon mitigation projects and is recognised internationally as the benchmark for quality and rigour in both the compliance and voluntary carbon markets.

6. Original evaluation forms (Only samples provided)



no.13

บริษัท ซินดิคาร์ทุม คาร์บอน แคปปิทอล (ประเทศไทย) จำกัด
บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)
บริษัท บางกอก กรีนเพาเวอร์ จำกัด
โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)
ประชุมสัมมนาเพื่อรับฟังความคิดเห็นประชาชน ครั้งที่ 2 (รอบรับฟังข้อเสนอแนะ)

แบบประเมินผล

วันและเวลาที่ประชุม : 13 กุมภาพันธ์ 2556 เวลา 9.00 น. – 12.00 น.
สถานที่ : บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด

นาย / นาง / นางสาว ทองคำ [illegible] ตำแหน่ง/อาชีพ รับจ้าง

หน่วยงาน............

1. คุณประทับใจอะไรในการประชุมครั้งนี้

   มีความรู้ เกี่ยวกับ โรงไฟฟ้า มากขึ้น

2. อะไรคือสิ่งที่คุณชอบเกี่ยวกับโครงการทั้งสอง

   จะมีพัฒนา สิ่งต่างๆ ที่ดีขึ้น

3. อะไรคือสิ่งที่คุณไม่ชอบเกี่ยวกับโครงการทั้งสอง

   ....

4. คุณพึงพอใจกับวิธีการดำเนินการของทางโครงการ เพื่อแก้ไขในสิ่งที่ได้รับการถามและเสนอแนะจากการประชุมสัมมนารับฟังความคิดเห็นประชาชน ครั้งที่ 1 ปี 2551 หรือไม่

   พอใจ

5. คุณคิดอย่างไรกับแผนการติดตามผลของโครงการ

   เป็นสิ่งที่ดี จะได้พัฒนาให้มีประสิทธิภาพ มากขึ้น

6. คุณมีแนวคิดอย่างไรเกี่ยวกับแผนการติดตามผลที่สามารถทำได้อย่างคุ้มค่าและมีประสิทธิภาพ

   ....

7. มีวิธีการใดที่ผู้มีส่วนได้ส่วนเสีย (ประชาชน) จะเข้าร่วมในการตรวจติดตามผลโครงการได้

   [illegible]

ลงชื่อ ทองคำ

Transalation in English

Sindicatum Carbon Capital
Zenith Green Energy Co., Ltd.
Bangkok Kamphaeng Saen West: Landfill Gas to Electricity Project (GS1370)
Bangkok Greenpower Co., Ltd.
Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project (GS1371)
Gold Standard Stakeholders' Consultation 2 (Feedback Round)

Evaluation Forms

Date and Time of meeting: February 13, 2013
Location of meeting: Zenith Green Power Co., Ltd.

~~Mr.~~ / Mrs. / ~~Ms.~~ .....Tongkam Tongdonmuan…… Position/Occupation…Employee……..……..

Organisation…….....

---

1. *What is your impression of the meeting?*

   ..... Got more knowledge about the power plant.....

2. *What do you like about the project?*

   ..... The project will develop various things.....

3. *What do you not like about the project?*

   .....

4. *Are you satisfied with our way of addressing the questions & comments from the 1st SHC?*

   ..... Satisfied.....

5. *How do you think about our monitoring plan?*

   ..... This is a good thing which will develop efficiency of the project…..

6. *Do you have ideas on how the monitoring plan could be done in a cost effective way?*

   .....

7. *Are there ways in which stakeholders can participate in monitoring?*

   ..... Sent the document via post…..

Signature..... Tongkam.....

E. 3. Discussion on continuous input / grievance mechanism

[See Annex W]

Discuss the Continuous input / grievance mechanism expression method and details, as discussed with local stakeholders.

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	**Justification**
Continuous Input / Grievance Expression Process Book	Any complaints are directed to the project owners via phone, in writing or in person. A book will be kept at the site office to record all grievances, inputs and any responses, mitigation actions or follow-up. Furthermore a "comments" box will be kept at the local sub-district administration office, and will be checked regularly.	Any complaints are directed to the project companies and a regular monthly meeting between project companies and the landfill owners provides a platform for dealing with any grievances directed towards the landfill itself. If the issue is more serious then a more immediate meeting may be called; This suggestion was made by the stakeholders during the stakeholder feedback round, and is to be implemented by the project owners as an extra route by which stakeholders can give continuous inputs or grievance expression.
Telephone access	+66 34 352 278	Details available on website and other sources
Internet/email access	www.sindicatum.com	Details available on website and other sources
Nominated Independent Mediator (optional)	No mediator nominated	To date no mediator has been required, however depending on the issue at hand, an independent mediator could be brought in.

All issues identified during the crediting period through any of the Methods shall have a mitigation measure in place. The identified issue should be discussed in the revised Passport and the corresponding mitigation measure should be added to sustainability monitoring plan in section G.

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

[See Toolkit 2.4.1 and Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
Human rights			
1. The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicity in Human Rights abuses	The Project is consistent with responsible business practices and legal principles in the host country. The Project is not in conflict with the economic livelihood of the local community. A stakeholder consultation has been carried out locally and input has been sought actively and transparently. The host country is a member of the UN Office of the High Commissioner for Human Rights (UNHCR) since December 16, 1946: http://www.ohchr.org/EN/Countries/Pages/HumanRightsintheWorld.aspx The host country is also a State Party to several key international human right conventions that include: 1. International Covenant on Civil and Political Rights (ICCPR); 2. International Covenant on Economic, Social and Cultural Rights (ICESCR); 3. Convention on the Elimination of All Forms of Discrimination Against Women (CEDAW) and the Optional Protocol to the CEDAW; 4. Convention on the Rights of the Child (CRC), as well as the Optional Protocol to the CRC on the sale of children, child prostitution and child pornography, and the Optional Protocol to the CRC on the involvement of children in armed conflicts; 5. Convention on the Elimination of All Forms of Racial Discrimination (CERD); 6. Convention Against Torture and other Cruel, Inhuman or Degrading Treatment or Punishment (CAT); and 7. Convention on the Rights of the Persons with Disabilities (CRPD).	Low	None
2. The project does not involve and is not complicit in involuntary resettlement	The project activity is based on an already existing landfill that is built on public land that was not under cultivation or being used for other purposes. Newly built systems and plants serving the methane capturing and electricity generation are on land that was owned by the landfill and leased to the project developers. A stakeholder consultation and feedback round has been carried out locally and input from local residents has been sought actively and transparently. The project does not involve	Low	None

	any resettlement.		
3. The project does not involve and is not complicity in the alteration, damage or removal of any critical cultural heritage.	The project activity is not located in the proximity to any cultural heritage or any property on the World Heritage List. The host country ratified the World Heritage Convention. The list of the qualified World Heritages can be found on the following website: http://whc.unesco.org/en/list	Low	None
Labour Standard			
4. The project respects the employee's freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights.	The employer (landfill gas project operator) does not interfere in the employees' rights to associate, nor does the employer discriminate against the employee or a representative of the employee. The project shall operate in compliance with the laws and regulations of the host country, which include the Labour law of Thailand (http://www.labour.go.th/th)	Low	None
5. The project does not involve and is not complicit in any form of forced or compulsory labour	No forced labour, directly or indirectly have been used in the construction or operation of the project. The project shall operate in compliance with the laws and regulations of the host country, which include the Labour Law of Thailand, as indicated in the contract signed between the project operator and the employees, and there is no forced labour.	Low	None
6. The project does not employ and is not complicit in any form of child labour	The Project Participants will only contract employees in compliance with the host country's labour laws. Reference :The Labour Law of Thailand (http://www.labour.go.th/th) The host country ratified the Convention on the Rights of the Child (CRC) in 1992: http://treaties.un.org/Pages/ViewDetails.aspx?src=UNTSONLINE&tabid=3&mtdsg_no=IV-11&chapter=4&lang=en#Participants.	Low	None
7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion or any other basis	The project ensures non-discrimination in personal practices. The Project Participants shall operate in accordance with the laws and regulations of the host country, which include the Labour Law of Thailand, as indicated in the contract signed between the Project Participants and the employee. Reference: The Labour Law of Thailand (http://www.labour.go.th/th) The host country ratified the Convention on the Elimination of All Forms of Discrimination against Women (CEDAW) in	Low	None

	1985: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-8&chapter=4&lang=en The host country ratified the International Labour Organization (ILO) Employment Policy Convention, No. 122 in 1969: http://www.ilo.org/dyn/normlex/en/f?p=1000:11300:0::NO::P11300_INSTRUMENT_ID:312267 Females with relevant expertise have been involved in the project activity.		
8. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.	The project has been implemented within safe and healthy working conditions including a health and safety management system. The project shall operate in compliance with the laws and regulations of the host country, which can be found at http://www.oshthai.org and http://oaep.diw.go.th/cms, Additionally, Sindicatum Sustainable Resources (SSR) Group (one of the project participants through its subsidiary Sindicatum Carbon Capital Ltd) has a Health and Safety Manual which it follows and all employees under the project companies, as indicated in the contracts signed between the project participants and employees. A full set of health and safety records and a yearly review audit are carried out as part of the SSR's HSE. Reference: SSR's Group Health & Saftey Manual	Low	None
Environmental Protection			
9. The project takes a precautionary approach in regard to environmental challenges and is not complicity in practices contrary to the precautionary principle.	The project has adopted a precautionary approach with regard to environmental challenges. Following the host country regulation, the Initial Environmental Examination (IEE) is required for the specific electricity project with the capacity less than 10 MW. An assessment of the project's environmental impacts has been performed based on 13 aspects including air quality, noise, water quality, etc., for both construction and operation phases. No significant impacts were identified for all the environmental aspects mentioned above. Reference: Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)	Low	None
10. The project does not involve and is not complicit in significant conversion or degradation of critical natural	The project is not in the proximity of any critical natural habitats or key national scenic areas, national nature reserves or national forest parks as specified in the IEE. Reference: Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering &	Low	None

habitats, including those who are (a) legally protected, (b) officially proposed for protection, (c) identified by authorities' sources for their high conservation value or (d) recognized as protected by traditional local communities.	Management Co. Ltd (Nov 2009)		
Anti - Corruption			
11. The project does not involve and is not complicit in corruption.	The host country is a signatory to the United Nations Convention against Corruption: http://www.unodc.org/unodc/en/treaties/CAC/signatories.html Sindicatum has a Policy of "Zero-Tolerance to Corruption" this is included in our Code of Conduct (page 12). All employees / management / contractors /third parties of the PP have been trained on the anti corruption and signed an acknowledgement – this is an annual exercise, sample of forms are submitted to the DOE.	Low	None

F.2. Sustainable Development matrix

[See Toolkit 2.4.2 and Annex I]

Insert table as in section D3 from your Stakeholder Consultation report (Sustainable Development matrix).

Indicator	**Mitigation measure**	**Relevance to achieving MDG**	**Chosen parameter and explanation**	**Preliminary score**
Gold Standard indicators of sustainable development.	**If relevant copy mitigation measure from "do no harm" –table, or include mitigation measure used to neutralise a score of '–'**	Check **www.undp.or/mdg** and **www.mdgmonitor.org** **Describe how your indicator is related to local MDG goals**	**Defined by project developer**	Negative impact: score '-' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score '+'
Air quality	None.	Ensure Environmental Sustainability (Goal 7)	In addition to the greenhouse gases reduction, the project will significantly improve air quality	+

			through the reduction of SO_2 and NO_x emissions from fossil fuel combustion under the baseline scenario (see http://www.jseejournal.com/JSEE%202011/JSEE%20Vol%202%20Issue%202/10.%20Emission%20inventory%20pp.%2065-69.pdf for emissions inventory in Thailand from fossil fuel power plants) . The project activity itself will produce a low level of local emissions including particulates from the engines (See Page 6-1 to 6-10: Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009) . These local stack emissions are checked annually by a competent authority. The reports that have been completed so far since the project started are provided as evidence, and will be used to show mitigation of local air quality impacts. The chosen parameter will be calculated SO_2 , NO_x reductions and stack emissions below local/IEE requirements.	
Water quality and quantity	None.	Ensure Environmental Sustainability (Goal	As per the Initial Environmental Examination (IEE)	0

		7)	report (Page 6-17 and 6-19), there is no significant impact identified on water quality and quantity from the project activity during the project implementation period. Leachate management is carried out by the operator of the Landfill to meet national requirements	
Soil condition	None.	Ensure Environmental Sustainability (Goal 7)	As per the Initial Environment Examination (page 6-19 to 6-20), no significant impact is identified on Terrestrial Ecology and land use during the project implementation period.	0
Other pollutants	None.	Ensure Environmental Sustainability (Goal 7)	Low impact may occur from noise during the construction phase and operation phase. At the working area where there is some level of noise source, such as at the genset house, health and safety equipment is strictly required to be used by operators. However, these have been minimized as per the IEE (REF: Page 6-11 to 6-18): Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009), using containerized engines and noise levels are	0

			checked annually by competent authorities. The noise level reports that have been completed since the start of the project have been provided, and will be used as a parameter to show that noise has been mitigated.	
Biodiversity	None	Ensure Environmental Sustainability (Goal 7)	As per the Initial Environment Examination (Page 6-19), the project would not involve any deterioration to terrestrial ecology and aquatic ecology. Thus no significant impact is identified on biodiversity.	0
			Subtotal	**Positive**
Social Development				
Quality of employment	None	Eradicate Extreme Poverty and Hunger (Goal 1)	All employees working in the landfill gas project site will be employed according to national employment regulations.and the high standards that are set by the Sindicatum Sustainable Resources Group. A health and safety officer is employed onsite, all safety equipment is available and used by personnel. Training is given to all staff. (Ref: Sindicatum Health and Safety Manual October 2007, and SCC Thailand, Zenith Green Energy & Bangkok Green Power Training Records) Ongoing training will be provided to staff	+

			and skills developed in-house for gas collection, engine maintenance and power plant operation The chosen parameter will be: a) Relevant health and safety precautions taken, and: b) Training given to staff to develop skills. Currently 9 permanent staffs are employed by Bangkok Greenpower and 6 permanent staff by Sindicatum Carbon Capital, Thailand and all staff have been through health and safety training, as well as numerous training courses provided by accredited third parties or internal experts across the Sindicatum Group. These courses include: - CDM and climate change - Engine maintenance and operation - Pretreatment maintenance and operation - Landfill gas operation - Monitoring equipment on site calibration - Purchasing - Human Potential Development	
Livelihood of the poor	None.	Eradicate Extreme Poverty and Hunger (Goal 1)	Overall the project will have little impact on eradicating extreme poverty and hunger. The project does give advantage to the locality, because it has contributed c. THB	0

			50,000 per MW to be installed before COD and currently contributes THB 0.01 for every kWh exported to the grid to the Funds for the Development of Communities Surrounding Power Plants (http://www.erc.or.th/Doc/thailand.pdf). The fund will be used to sponsor the local community's sustainable development initiatives." And is administered PEA	
Access to affordable and clean energy services	None.	Ensure Environmental Sustainability (Goal 7)	The project will generate electricity and supply it to the Thai consumers via grid-connection, through utilization of methane contained in the landfill gas that would otherwise be released to the atmosphere without the project activity. Since the project utilizes renewable energy resource to provide electricity, and can also improve environmental quality and reduce green house gas emissions, it provides access to clean energy services to the Thai residents at the normal retail rates as compared to the conventional fossil fuel use. However, The project will have no impact on presence, affordability of services and reliability of clean energy services in the local area or households as the electricity is exported to the Thai grid. The	0

			overall impact can be assessed as neutral Reference as reference as GS PDD section A.1 and B.3 and also stated in IEE page 4-1	
Human and institutional capacity	None	Achieve Universal Primary education (Goal 2) Promote Gender Equality and Empower Women (Goal 3)	This project does not help achieve universal primary education or gender equality and empowerment. However, the project developer is starting an intern scheme with the local University, references as per KU open day documents e.g. photo, presentation and signed form; and gender equality is part of the employee's guidelines as per Sindicatum Sustainable Resources Employee Guides September 2011 page 9 – Sexual Harassment. However, as these impacts are not significantly positive the overall the impact can be seen as neutral.	0
			Subtotal	**Positive**
Economic and Technological Development				
Quantitative employment and income generation	None	Eradicate Extreme Poverty and Hunger (Goal 1)	The Project would create job opportunities for local people who would be involved in project construction and operation, and in turn bring income to those employees as per list of employee included salary level updated on 15th March, 2013.	+

			The chosen parameter is the number of jobs created in the operation of the landfill gas to electricity project activity. Currently there are 9 permanent employees at Bangkok Greenpower and 6 at Sindicatum Carbon Capital Thailand, as well as temporary staff employed for the collection pipework.	
Balance of payments and investment	None.	Develop a Global Partnership for Development (Goal 8)	Although significant investment in the form of equity and debt finance has been made by a foreign investor (International Sindicatum Climate Change Partnership – ISCCP), returns through CERs and electricity sales will be remitted back to the fund as per explanation of barrier analysis in PDD page 12-19. The project will not significantly affect payments and investment balances as per the Initial Environment Examination (page 6-23).	0
Technology transfer and technological self-reliance	None	Develop a Global Partnership for Development (Goal 8)	The project generally uses equipment that has been used in Thailand for a number of years, however the project introduced new gas collection technology and knowhow to the landfill management sector in Thailand, demonstrating how improved gas capture techniques can	+

			improve the capture of methane, resulting in more power generation. The project utilises Sindicatum Carbon Capital proprietary LFG collection technology currently installed at similar landfill sites in China. The Project is be the first landfill to use this technology on a Thailand landfill and may be replicated for other landfill in Thailand. Transfer of know-how was performed directly by training or indirectly through the visibility of the project and its interest as a successful local environmental initiative as per Site Visit Record of Bangkok Greenpower Co., Ltd. updated on 6th February, 2013 and visit photo accordingly. The chosen parameter to be monitored is the number of visitors from other organizations.	
			Subtotal	**Positive**

Justification choices, data source and provision of references

Air quality	The Project activity will have positive impacts by the reduction of baseline SO_2 and NO_x emissions. As the project will generate clean energy it will displace electricity in the grid that is normally produced by fossil fuel consumption. The impact of SO_2 and NO_2 as well as particulates is well documented and referenced. Impacts on air quality can lead to damage to public health, degradation of visibility, acidification of lakes and streams, harm to sensitive forest and coastal ecosystems to name a few. The local stack emissions are checked annually by a competent authority. The reports that have been completed so far since the project started are provided as evidence, and will be used to show mitigation of local air quality impacts. Reference: http://www.jseejournal.com/JSEE%202011/JSEE%20Vol%202%20Issue%202/10.%20Emission%20inventory%20pp.%2065-69.pdf for emissions inventory in Thailand from fossil fuel power

	plants). And The Initial Environmental Examination report also has been provided as evidence. Reference: Page 6-1 to 6-10 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)
Water quality and quantity	During the project's implementation, there should not be any waste water or pollutants that affect the local water quality and quantity from the project activity, according to the Initial Environmental Impact report. Therefore, the impact is neutral. The Initial Environmental Examination report has been provided as evidence. Reference: Page 6-17 and 6-19 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)
Soil condition	As per the Initial Environmental Examination report, no impact is expected from the project activity with regard to the land use or terrestrial ecology. Hence, the impact is neutral. The Initial Environmental Examination has been provided as evidence. Reference: Page 6-19 to 6-20 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)
Other pollutants	As per the Initial Environmental Examination form, no other pollutants are expected from the project activity and no significantly positive impacts of the project are identified with regard to other pollutants reduction. Hence, the impact is neutral. The noise levels are checked annually by competent authorities. The noise level reports that have been completed since the start of the project have been provided, and will be used as a parameter to show that noise has been mitigated. The Initial Environmental Impact report has been provided as evidence. Reference: Page 6-11 to 6-18 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)
Biodiversity	The project utilizes methane to generate electricity on the landfill site, and does not involve any deterioration to terrestrial ecology or aquatic ecology surrounding it, according to the Initial Environmental Examination report. Thus, there is no expected negative or significantly positive impact from the project activity on biodiversity. The Initial Environmental Impact report has been provided as evidence. Reference: Page 6-19 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009)
Quality of employment	No negative impacts of the project are identified, in fact the quality of employment is improved. All employees working for the project activity will be employed according to national employment regulations, and according to Sindicatum Group's Employee Guidelines and Health & Safety Thus, the quality of employment indicator is assessed as "positive". Sindicatum Health and Safety Manual and SCC Thailand, Zenith Green Energy & Bangkok Green Power Training Record have been provided as evidence. Reference: Sindicatum Health and Safety Manual October 2007 and SCC Thailand, Zenith Green Energy & Bangkok Green Power Training Records

Livelihood of the poor	The project does not directly impact the poor, although some low income people are hired as contractors for manual work in laying gas pipes. Like most power plants in Thailand the project does contribute to the Funds for the Development of Communities Surrounding Power Plants which tries to improve the quality between the community and the power plants. How these funds are utilized is not under the control of the project participants and therefore the impact can be considered neutral. Reference: http://www.erc.or.th/Doc/thailand.pdf
Access to affordable and clean energy services	Since the project utilizes renewable energy resource to provide electricity, and can also improve environmental quality and reduce green house gas emissions, it provides access to clean energy services to the Thai residents at the normal retail rates as compared to the conventional fossil fuel use. However, The project does not supplies electricity via off-grid connection directly to the local residents in Thailand. Therefore the project will have no direct impact on presence, affordability of services and reliability of clean energy services in the local area or households. Thus, the access to affordable and clean energy services indicator is assessed as "neutral" The Gold Standard Project Design Document and the Initial Environmental Impact report have been provided as evidence. Reference: Page 4-1 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009) and Section A.1 and B.3 of the Gold Standard Project Design Document of Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project
Human and institutional capacity	No negative or significantly positive impacts from the project are identified. As the project has no impact on education and skills or gender equality and empowerment, there is no impact on the human and institutional capacity. Labour practices will be conducted in a non-discriminatory manner as per the relevant laws of the Kingdom of Thailand. The project developer is starting an intern scheme with the local University and gender equality is part of the employee's guidelines as per Sindicatum Sustainable Resources Employee Guides. However, as these impacts are not significantly positive the overall the impact can be assessed as neutral. Note the intern scheme documents and Sindicatum Sustainable Resources Employee Guidelines have been provided as evidence. Reference: The KU open day documents e.g. photo, presentation and signed form and page 9 of Sindicatum Sustainable Resources Employee Guidelines September 2011.
Quantitative employment and income generation	According to the PDD, the project operation requires a number of employees committing to long term employment, which in turn increase the income of local residents as well as the overall area. Thus the project has positive impact on this indicator. List of employee included salary level has been provided as evidence. Reference: List of employee included salary level updated on 15th March, 2013.
Balance of payments and investment	No negative or significantly positive impacts from the project are identified. As per the project activity description and additionality demonstration, the investment was made via equity and loan provisions from a foreign investor (International Sindicatum Climate Change Partnership – ISCCP) with returns through CERs and electricity sales. . Therefore there is no impact on the balance of payments and investment. The Gold Standard Project Design Document and the Initial Environmental Impact report have been provided as evidence. Reference: Page 6-23 of Initial Environmental Examination of Electricity Generation units of CDM Bangkok-East Landfill Projects (Final Report): Team Consulting Engineering & Management Co. Ltd (Nov 2009) and Barrier analysis page 12 – 19 of the Gold Standard Project Design Document of Bangkok Kamphaeng Saen East: Landfill Gas to Electricity Project

Technology transfer and technological self-reliance	Please refer to section A.1 and A.3 of the Gold Standard PDD. The project introduced new technology to the landfill management sector in Thailand, demonstrating how improved gas capture techniques can improve the capture of methane, resulting in more power generation. The applied technology is Sindicatum Carbon Capital proprietary LFG collection technology, which is currently installed at similar landfill sites in China. The Project is the first landfill to use this technology on a Thailand landfill and may be replicated for other landfill in Thailand. Transfer of know-how was performed directly by training and indirectly through the visibility of the project and its interest as a successful local environmental initiative. Site Visit Record and photo have been provided as evidence. Reference: Site Visit Record of Bangkok Greenpower Co., Ltd. updated on 6th February, 2013 and visit photo accordingly.

SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Annex I]

Copy Table for each indicator

No	1
Indicator	Air quality
Mitigation measure	Reduction of baseline SO_2 and NO_x emissions: The Project, by replacing electricity from fossil fuel combustion and the related fuel consumption, reduces the baseline SO_2 and NO_x emissions from electricity generation. The emission reductions of SO_2 and NO_x will be calculated by multiplying net electricity generation from the project activity with SO_2 and NO_x emission factors using publicly available information. Using engines with suitable low emissions. Stack emissions are below the local requirements stipulated in the Initial Environmental Evaluation and checked regularly by local authorities
Chosen parameter	a) SO_2 reductions b) NO_x reductions c) Stack emissions below local/IEE requirements
Current situation of parameter	Amount of electricity exported to Thai grid have been monitoring on monthly basis by PEA Stack emissions at the site have been tested yearly since the project activity started operation. These stack emission level test reports on February 20 – 24, 2012 have shown compliance with local requirements and that mitigation measures are sufficient.
Estimation of baseline situation of parameter	Before the project is implemented were emitted due to electricity generated by grid which will now be displaced by the project. Multiply the expected annual electricity generated by the project by the SO_2 and NO_x emission factors
Future target for parameter	To reduce SO_2 and NO_x emissions in Thailand by displacing fossil fuel generated electricity with electricity from the project

		activity, thereby contributing to improved air quality
Way of monitoring	How	Chosen parameter a) SO_2 reductions and b) NO_x reductions will calculated by multiplying the net electricity generation of the Project with SO_2 and NO_x emission factors for Thailand SO_2 emission factor is 0.41g/kWh NO_x emission factor is 1.26 g/kWh Reference: Journal of Sustainable Energy & Environment 2 (2011) Emission Inventory of Electricity Generation in Thailand Chosen parameter c) Measured by standard method regarding to local requirements
	When	Parameter a) and b) will measured every monitoring period. Parameter c) will measured once a year.
	By who	Parameter a) and b) will monitored by project owner. Parameter c) will monitored by the accredited third party laboratory.

No		2
Indicator		Other pollutants
Mitigation measure		Noise pollution will be mitigated by sourcing engine, pretreatment and flares that will meet local noise requirements
Chosen parameter		Noise levels
Current situation of parameter		Noise levels have been tested every year since the start of operation by local authorities. These noise level test on February 20 – 24, 2012 reports have shown that the project activity has so far been in compliance with local requirements and the IEE.
Estimation of baseline situation of parameter		No noise
Future target for parameter		To keep noise levels within the local requirements
Way of monitoring	How	Measured by standard methods to local requirements
	When	Once a year
	By who	The accredited third party laboratory

No	3
Indicator	Quality of Employment

Mitigation measure		Safe and healthy working conditions
Chosen parameter		a) Relevant health and safety precautions taken, and b) Training given to staff to develop skills
Current situation of parameter		All full-time employees have received health and safety training, and have participated in various training programmes and classes provided by 3rd party accredited organizations or in-house experts including: - CDM and climate change - Engine maintenance and operation - Pretreatment maintenance and operation - Landfill gas operation - Monitoring equipment on site calibration - Purchasing - Human Potential Development
Estimation of baseline situation of parameter		Prior to the implementation of the project, no one was employed and therefore there was no heath and safety precautions or training
Future target for parameter		Employment of adequate full-time staff trained with skills to carry out their job functions in a safe manner and good working environment
Way of monitoring	How	Number of contracts Health and Safety procedures and records Training records
	When	On an annual basis
	By who	Project owner

No	4
Indicator	Quantitative employment and income generation
Mitigation measure	N/A
Chosen parameter	Number of jobs created for the operation of the project activity
Current situation of parameter	Since the project is retroactive, there are 9 permanent employees working for the project owner for the operation of the landfill gas energy project, plus 6 permanent staff employed by Sindicatum Carbon Capital, Thailand and indirectly and temporarily a number of contractors engaged with the pipework. All staff are based locally and are from Thailand, part from one experienced landfill gas to energy expert/manager from the UK. Bangkok Greenpower Employment: - 3 Engine Operators

		- 2 CDM Coordinators - 2 Landfill Engineer - 1 Administrator - 1 Cleaner Sindicatum Carbon Capital: - 1 Project Manager (From UK) - 1 Site Manager - 1 Engine Manager - 1 HR and Admin Manager - 2 Accountants/Finance
Estimation of baseline situation of parameter		Prior to the project implementation, no people were employed for operating the project, thus the baseline number of employees is 0.
Future target for parameter		Number of people employed for the operation of the project will be greater than 1, and temporary staff will also be employed for manual work
Way of monitoring	How	By checking employee records, number of people employed full time and temporarily and working hours
	When	Ongoing
	By who	Project owner

No		5
Indicator		Technology transfer and technological self-reliance
Mitigation measure		N/A
Chosen parameter		Number of visitors from other organisations
Current situation of parameter		As the project is retroactive, currently, there have been approximately 101 people who have visited the project
Estimation of baseline situation of parameter		Prior to the project implementation, there was no technology transfer, thus the baseline was that the technology was not applied commercially in Thailand
Future target for parameter		Number of people from outside of the project owners who have visited the project to learn more about the technology and its implementation
Way of monitoring	How	By noting attendance of organisations and individuals who have attended a site visit and/or presentation on the project and its technology
	When	Data is available for verification for each monitoring period
	By who	Project owner

Additional remarks monitoring

The monitoring plan was discussed in detail at the stakeholder feedback round and participants agreed that these were the main and useful indicators to monitor and report

SECTION H. Additionality and conservativeness

This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

H.1. Additionality

N/A

H.2. Conservativeness

N/A

ANNEX 1 ODA declaration

[See Toolkit Annex D]

The Gold Standard®
Premium quality carbon credits

ANNEX D - OFFICIAL DEVELOPMENT ASSISTANCE DECLARATION

Date: February 4th, 2013

The Gold Standard Foundation

79 Avenue Louis Casai

Geneva Cointrin, CH-1216

Switzerland

RE: Declaration of Non-Use of Official Development Assistance by Project Owner of GS1371

Xentolar Holdings Limited

As Project Owner of the above-referenced project, and acting on behalf of all Project Participants, I now make the following representations:

Miss Michelle Marie O'hare

I hereby declare that I am duly and fully authorized by the Project Owner of the above-referenced project to act on behalf of all Project Participants and make the following representations:

I. The Gold Standard Documentation

I am familiar with the provisions of The Gold Standard Documentation relevant to Official Development Assistance (ODA). I understand that the 0 above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance with the condition that some, or all, of the carbon credits [CERs, ERUs, or VERs] coming out of the project are transferred to the ODA donor country. I hereby expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express of implied, that any or all of the carbon credits issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery

If I learn or if I am given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the carbon credits generated from the project as a condition of investment, I will notify The Gold Standard immediately using the Amended ODA Declaration Form provided below.

III. Investigation

Influence. Innovate. Inspire.
www.cdmgoldstandard.org

The Gold Standard®
Premium quality carbon credits

The Gold Standard reserves the right to conduct an investigation into any project it reasonably believes may be receiving ODA with the condition that some or all of the carbon credits from the project will be transferred to the ODA donor country.

IV. Sanctions

I am fully aware that the sanctions identified in The Gold Standard Terms and Conditions may be applied to me or the above-referenced project in the event that any of the information provided above is false or I fail to notify The Gold Standard of any changes to ODA in a timely manner.

I swear that all of the statements contained herein are true to the best of my knowledge.

Signed: M. O'Hare

Name: Michelle Marie O'hare

Title: Director of Bangkok Greenpower Co., Ltd.

On behalf of: Sindicatum Carbon Capital (Thailand) Co., Ltd.

Place: 105 Moo 11 T.Srasrimum A.Kampangsaen, Nakornpatom , 73140

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ANNEX 2 SFR Original participants list

Local Stakeholders' Consultation 2 (Feedback Round) (February 13th, 2013)

รายชื่อผู้เข้าร่วม

ประชุมสัมมนารับฟังความคิดเห็นประชาชน (รอบรับฟังข้อเสนอแนะ)

บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)

บริษัท บางกอก กรีนเพาเวอร์ จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)

วันพุธ ที่ 13 กุมภาพันธ์ พ.ศ. 2556 ณ บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด

No. ลำดับ	Category Code รหัสหมวดหมู่	Name of Participant ชื่อผู้เข้าร่วม	Job / Position อาชีพ / ตำแหน่ง	Gender เพศ	Signature ลงชื่อ	Organisation (if relevant) หน่วยงาน (หากเกี่ยวข้อง)	Address ที่อยู่	Phone number เบอร์โทรศัพท์
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14	14							
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รายชื่อผู้เข้าร่วม

ประชุมสัมมนารับฟังความคิดเห็นประชาชน (รอบรับฟังข้อเสนอแนะ)

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บริษัท บางกอก กรีนเพาเวอร์ จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)

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No. ลำดับ	Category Code รหัสหมวดหมู่	Name of Participant ชื่อผู้เข้าร่วม	Job / Position อาชีพ / ตำแหน่ง	Gender เพศ	Signature ลงชื่อ	Organisation (if relevant) หน่วยงาน (หากเกี่ยวข้อง)	Address ที่อยู่	Phone number เบอร์โทรศัพท์
15	15	มาลี ทรงสุข	[illegible]	หญิง	[signature]	อบต. ทุ่งบัว	111/9 ม.6 [illegible]	081-5514187
—		—					อ.นครปฐม -	
16	16	[illegible]	[illegible]	หญิง	[signature]	อบต. ทุ่งบัว	77 ม.9 ต.ทุ่งบัว อ.กำแพงแสน	089-0068585
17	17	สมศักดิ์ เล่าทรัพย์	ลูกจ้างชั่วคราว	ชาย	สมศักดิ์	อบต. ทุ่งบัว	146 ม.9 ต.ทุ่งบัว อ.กำแพงแสน	089-160916[illegible]
18	18	อมรรัตน์ [illegible]	"	หญิง	[signature]	"	95 ม.4 ต.ทุ่งบัว อ.กำแพงแสน	081-8241758
19	19	[illegible]	"	ชาย	[signature]	"	91 ม.10 ต.ทุ่งบัว อ.กำแพงแสน	089-5768919
20	20	นาย [illegible]	ผ.ช. [illegible]	ชาย	[signature]	อบต. ทุ่งบัว	100 หมู่ 3 ต.ทุ่งบัว อ.กำแพงแสน	081-7961132
21	21	น.ส. [illegible] ทองดอนเหมือน	[illegible]	หญิง	[signature]	"	64/1 ม.6 ต.ทุ่งบัว อ.กำแพงแสน	081-1928980
22	22	[illegible]		ชาย	[signature]	อบต. ทุ่งบัว	ม.1 ทุ่งบัว กำแพงแสน	085296[illegible]
23	23	[illegible]	ผ.ใ. ผู้ใหญ่บ้าน	ชาย	[illegible]	ผ.ใ ผู้ใหญ่บ้านทุ่งบัว	65 ม.1 ทุ่งบัว	089-9853519
24	24	[illegible] ทองดอนเหมือน	ลูกจ้าง	ชาย	[signature]		75 ม.6 ต.ทุ่งบัว	0852627526
25	25	อัจฉรา [illegible]	รับจ้าง	หญิง	อัจฉรา		125/2 ม.6 ต.ทุ่งบัว	089-7947256
—		(แทน หม้าย แสงหิรัญ)						
26	26	ขุพิน ทองดอนเหมือน						
—		(แทน เอาะ แสงหิรัญ)	รับจ้าง	ชาย	ขุพิน		36 ม.6 ต.ทุ่งบัว	087-3493630
—		[illegible]						
27	27	ม.ส. [illegible]	[illegible] ม.1	ช	[signature]	อบต. ทุ่งบัว	51 ม.1 ต.ทุ่งบัว อ.กำแพงแสน	081-4361119
28	28	จรูญ [illegible]	ผ. ช ผู้ใหญ่บ้าน		จรูญ	ผ.ช. ผู้ช่วย	45 ม.5 ต.ทุ่งบัว อ.กำแพงแสน	087-0396177
29	29	สนิท [illegible]	ผ.ใ	ช.	[signature]		ม.4 ต.ทุ่งบัว	085-2934075

รายชื่อผู้เข้าร่วม

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30	30	นางสุพรรณา พิมพ์วิจิตร	หน่วยงาน	ญ	[illegible]		1 ม. 1 ต.ทุ่งขวัญ อ. กำแพงแสน	082-3635977
31	31	[illegible]	"	ญ	[illegible]		100 ม.3 ต.[illegible] อ.กำแพงแสน	089-8234[illegible]
32	32	[illegible]	"	ญ	[illegible]		19 ม.6 ต.[illegible] อ.กำแพงแสน	082-2993993
33	(ซ้ำ 23)	วิมาน เชี่ยวบำรุง	(ซ้ำ 23)	ชาย			65 หมู่ 1 ต.พนัส	089-9853519
34	33	นายสันต์ ธนพงศธร	หายก	ชาย	[illegible]	อ.อ.ต. - ทุ่งขวัญ	//// ต.ทุ่งขวัญ	081-8515311
35	34	[illegible]	รับจ้าง	ชาย	[illegible]		หมู่ 6 ต. ทุ่งขวัญ	082-1741494
36	35	นาย ทองคำ ทองอินเหมือน	ร้านค้า	หญิง	ทองคำ		75 หมู่ 6 ต.ทุ่งขวัญ	090 8168346
37	36	นส. สายสุนีย์ แสงชิโย	ร้านค้า	หญิง			47/1 หมู่ 6 ต.ทุ่งขวัญ	091 6133623

รายชื่อผู้เข้าร่วม

ประชุมสัมมนารับฟังความคิดเห็นประชาชน (รอบรับฟังข้อเสนอแนะ)

บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)

บริษัท บางกอก กรีนเพาเวอร์ จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)

วันพุธ ที่ 13 กุมภาพันธ์ พ.ศ. 2556 ณ บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด

No. ลำดับ	Category Code รหัสหมวดหมู่	Name of Participant ชื่อผู้เข้าร่วม	Job / Position อาชีพ / ตำแหน่ง	Gender เพศ	Signature ลงชื่อ	Organisation (if relevant) หน่วยงาน (หากเกี่ยวข้อง)	Address ที่อยู่	Phone number เบอร์โทรศัพท์
38	37	นาย เสริม เสือคง	ลูกจ้าง	ชาย	เสริม	อบต. ทุ่งขิว	45 ม.5 ต. ทุ่งขิว	081-2503542
39	38	นายปลิง ทองดอนหมื่น	รับจ้าง	ชาย	ปลิง	—	35 ม 6 ต. ทุ่งขิว	—
40	39	นาย นพพร สระทองอินทร์	นายก อบต.	ชาย	นพพร	อบต. ทุ่งขิว	258 ม. 21 ต. สระสี่มุม	089-160[illegible]3
41	40	นาง เตย แสงจันทึก	รับจ้าง	หญิง	เตย	ทุ่งขิว	97 ม. 6 ต. ทุ่งขิว	06[illegible]2503839
42	41	นาง ขิง แสงเหรียญ	รับจ้าง	หญิง	ขิง	ทุ่ง	145 ม. 6 ต. ทุ่งขิว	034-918683[illegible]
43	42	นาย ธวัชชัย ทองดอนหมื่น	รับจ้าง	ชาย	ธวัชชัย	ทุ่งขิว	6 ม 6 ต. ทุ่งขิว	086-013[illegible]2[illegible]0

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รายชื่อผู้เข้าร่วม

ประชุมสัมมนารับฟังความคิดเห็นประชาชน (รอบรับฟังข้อเสนอแนะ)

บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)

บริษัท บางกอก กรีนเพาเวอร์ จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)

วันพุธ ที่ 13 กุมภาพันธ์ พ.ศ. 2556 ณ บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด

No. ลำดับ	Category Code รหัสหมวดหมู่	Name of Participant ชื่อผู้เข้าร่วม	Job / Position อาชีพ / ตำแหน่ง	Gender เพศ	Signature ลงชื่อ	Organisation (if relevant) หน่วยงาน (หากเกี่ยวข้อง)	Address ที่อยู่	Phone number เบอร์โทรศัพท์
44	43	นาย[illegible] [illegible]	นวก. ชำนาญการ	ชาย	[signature]	[illegible]	220-222 ถ.[illegible] ต.[illegible]	034-275731-40
45	44	น.ส.เอกอร แก้วขาว	"	หญิง	[signature]	"	อ.เมือง จ.นครปฐม	"
46	45	น.ส.[illegible] [illegible]	นวก. ปฏิบัติการ	"	[signature]	"	"	"
47	46	น.ส.ลดาวัลย์ [illegible]	"	"	[signature]	[illegible] "	"	"
48	47	[illegible] [illegible]	ทำไร่	ช.	[signature]		หมู่ 2 - [illegible]	081-858410[illegible]

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รายชื่อผู้เข้าร่วม

ประชุมสัมมนารับฟังความคิดเห็นประชาชน (รอบรับฟังข้อเสนอแนะ)

บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันตก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1370)

บริษัท บางกอก กรีนเพาเวอร์ จำกัด - โครงการผลิตกระแสไฟฟ้าจากก๊าซหลุมฝังกลบขยะกรุงเทพกำแพงแสน ฝั่งตะวันออก อำเภอกำแพงแสน จังหวัดนครปฐม (GS1371)

วันพุธ ที่ 13 กุมภาพันธ์ พ.ศ. 2556 ณ บริษัท ซีนิท กรีน เอ็นเนอยี จำกัด

No. ลำดับ	Category Code รหัสหมวดหมู่	Name of Participant ชื่อผู้เข้าร่วม	Job / Position อาชีพ / ตำแหน่ง	Gender เพศ	Signature ลงชื่อ	Organisation (if relevant) หน่วยงาน (หากเกี่ยวข้อง)	Address ที่อยู่	Phone number เบอร์โทรศัพท์
49	48	[illegible]	ส.อบต.		[illegible]	อ.บต. ทุ่งบัว	57/1 ม.2 ต.ทุ่งบัว	034-351116 081-0178555
50	49	[illegible]	ส.อบต.	ช	[illegible]	อบต. [illegible]	31/1 ม.7 ต.[illegible]	086-7692574
51	50	นาย ภูริ [illegible]	นายก อ.บ.ต.		[illegible]	อ.บ.ต. [illegible]	26 ต. [illegible]	085294697