




**Validation report form for post-registration changes for
CDM project activities
(Version 02.0)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title and UNFCCC reference number of the project activity	Chumporn applied biogas technology for advanced waste water management. UNFCCC No: 2148			
Process track	<input checked="" type="checkbox"/> Prior approval <input type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period			
Version number of the validation report on PRCs	1.0			
Completion date of the validation report on PRCs	13/12/2017			
Type(s) of PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan <input checked="" type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools <input type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation project activities			
Version number of PDD to which this report applies				
Project participants	Private entity: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Private entity: Chumporn Palm Oil Public Company Limited, Bangkok, Thailand			
Host Party	Thailand			
Applied methodologies and standardized baselines	AM0013: Avoided methane emissions from organic waste-water treatment --- Version 4.0			
Mandatory sectoral scopes linked to the applied methodology	Project Scope (according to UNFCCC sectoral scope numbers for CDM)	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	Energy Industries (renewable- /non-renewable sources) Energy distribution Energy demand Manufacturing industries Chemical industry	

	<input type="checkbox"/>	6	Construction
	<input type="checkbox"/>	7	Transport
	<input type="checkbox"/>	8	Mining/Mineral production
	<input type="checkbox"/>	9	Metal production
	<input type="checkbox"/>	10	Fugitive emissions from fuels (solid, oil and gas)
	<input type="checkbox"/>	11	Fugitive emissions from production and consumption of halocarbons and hexafluoride
	<input type="checkbox"/>	12	Solvents use
	<input checked="" type="checkbox"/>	13	Waste handling and disposal
	<input type="checkbox"/>	14	Afforestation and Reforestation
	<input type="checkbox"/>	15	Agriculture
	<input type="checkbox"/>	16	Carbon capture and storage
Conditional sectoral scopes linked to the applied methodologies	N/A		
Name and UNFCCC reference number of the DOE	TÜV NORD CERT GmbH		
Name, position and signature of the approver of the validation report on PRCs	Winter, Rainer 		

SECTION A. Executive summary

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH has commissioned the TÜV NORD JI/CDM Certification Program to carry out the 2nd periodic verification of the project:

“Chumporn applied biogas technology for advanced waste water management”

with regard to the relevant requirements for CDM project activity.

This verification covers the period from 01/09/2010 to 30/09/2011 (including both days).

The project activity is a wastewater treatment facility using anaerobic tank digesters to capture methane for combustion at the boilers to generate heat for the palm oil mill and refinery processes.

Details of the project location are given in table A-1 below:

Table A-1: Project Location

No.	Project Location
Host Country	Thailand
Region:	Chumporn Province
Project location address:	296, Moo 2 Phetchkasem Road, Tambol Salui, Ampur Tasae
Latitude:	10° 50' 38.98" N
Longitude:	99° 13' 2.55" E

Basic technical details of the project are summarized in table A-2.

Table - A-2: Technical data of the project activity

Equipment	Unit	Capacity / Type
CSTR & UASB Reactors	4	Total Capacity 6,000 m ³
Steam Boilers	2	Medium / high pressure boiler (60-90 bar, boiler type NUK-HP 930
Dual-fuel burner	2	Type RGMS7/1-D ZMD, DN50 Weishaupt
Low pressure boiler	1	30 bar, AWG Series II dual-fuel burner from Hamworthy (AWG 15)
High Pressure Boilers	2	60-90 bar, boiler type NUK-HP 930 from GekaKonus GmbH
Open Flare	1	900m ³

For a detailed project description please refer to the registered PDD.

SECTION B. Validation team, technical reviewer and approver

On the basis of a competence analysis and individual availabilities an assessment team, consistent of one team leader were appointed. Furthermore, also the personnel for the technical review and the final approval were determined.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the following table below.

B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader / Validator / Technical Expert / Financial Expert	EI	Cheong	Chun Yuen (Robert)	TN Malaysia	x	x	x	x

B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	EI	Lubanga	David	-
2	Technical reviewer	IR	Winter	Stefan	TÜV NORD CERT GmbH
3	Approver	IR	Winter	Rainer	TÜV NORD CERT GmbH

SECTION C. Means of validation**C.1. Desk/document review****C.1. Desk review**

The assessment of post registration changes consisted of the following steps:

- Appointment of team members and technical reviewers
- A desk review of the registered and revised PDD/PDD/ submitted by the client and additional supporting documents
- On-Site assessment (if required)
- Background investigation and follow-up interviews with personnel of the project developer and its contractors,
- Resolution of corrective actions (CARs / CLs) (if any)
- Final reporting
- Technical review
- Final approval.

The registered as well as the revised PDD and supporting background documents related to the project design and the post registration changes were reviewed.

As far as required the assessment team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data.

A list all documents reviewed or referenced during this validation is presented in Appendix 3.

C.2. On-site inspection

Duration of on-site inspection: 05/01/2017 to 06/01/2017				
No.	Activity performed on-site	Site location	Date	Team member
1.	Opening Meeting, Plant Inspection, MR review, calibrations records	Chumporn	05/01/2017	Cheong, Chun Yuen (Robert)
2	Generation records, ER, document review, Reporting & closing meeting		06/01/2017	

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Sommart	Kritsana	Chumporn Palm Industry / Engineering Manager /IM01/	05/01/2017 06/01/2017	Site Inspection, Calibration reports, Review of MR, ER calculation, Raw Data in server, Secondary data in ER spreadsheet, Downtime / Operation records, data archiving	Cheong, Chun Yuen (Robert)
2	Chantaramanee	Somchay	Chumporn Palm Industry / Production Manager /IM01/			
3	Sawassri	Yada	Chumporn Palm Industry / QA Manager /IM01/			
4	Eangmee	Urai	Chumporn Palm Industry / Admin Power Plant /IM01/			
5	Punikom	Wilaiwan	Chumporn Palm Industry / QC Power Plant /IM01/			
6	Dechdee	Phattanasak	Chumporn Palm Industry / Engineer Power Plant /IM01/			
7	Posaei	Pirot	Chumporn Palm Industry / Biogas Section Head /IM01/			
8	Saengaroon	Chusak	Chumporn Palm Industry /			

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
			Instrument Section Head /IM01/			
9	Na Lamphun	Bundit	GIZ / Consultant /IM02/			
10	Kossmann	Werner	GIZ / Consultant /IM02/			

C.4. Sampling approach

No sampling approach applied.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	0	0	0
Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines	0	0	0
Corrections	0	0	0
Changes to the start date of the crediting period	0	0	0
Inclusion of a monitoring plan	0	0	0
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools	0	0	0
Changes to the project design	0	0	0
Changes specific to afforestation and reforestation project activities	0	0	0
Others (please specify)	0	0	0
Total	0	0	0

SECTION D. Validation findings

D.1. Compliance with PDD form

Means of validation	The project participants used a latest version of the PDD form for the revised PDD than the version of the PDD form of the registered PDD. By means of checking updated PDD with the latest applicable and available PDD template form the DOE can confirm that the information transferred to the later version of the PDD form is materially the same as that in the registered PDD besides those changes highlighted and assessed under this report.
Findings	none
Conclusion	The updated PDD is in line with the latest applicable PDD form.

D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	NA
Findings	
Conclusion	

D.3. Corrections

Means of validation	NA
Findings	
Conclusion	

D.4. Changes to the start date of the crediting period

Means of validation	NA
Findings	
Conclusion	

D.5. Inclusion of a monitoring plan

Means of validation	NA
Findings	
Conclusion	

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools

Means of validation	Type of change(s):	<input checked="" type="checkbox"/>	Permanent Change from Monitoring Plan	
		<input type="checkbox"/>	Permanent Change from Monitoring Methodology	
	Description of post registration change			
	Start Date: Please provide the start date of the change	01/09/2010	End Date: Please provide the end date of the change, if applicable	N/A
	Description: Please give a detailed description of the change(s)	<p>Parameter $F_{\text{Dig,out}}$</p> <p>According to the approved revised PDD version 10, a separate flow meter will be installed to measure the outflow of organic wastewater from the digester.</p> <p>During the period 01/09/2010 to 30/09/2011, the flowmeter to measure the outflow of organic wastewater from the digester was not installed.</p> <p>Therefore, a revision for the measurement of the outflow organic wastewater is required.</p> <p>To obtain the outflow of the wastewater from the digester, the PP has applied the inflow organic wastewater measured data as the outflow data for the organic wastewater from the digester. Therefore, this is in accordance with the applied methodology, parameter to be monitored, project emissions - $F_{\text{dig_out}}$, Flow rate of organic wastewater into the digester</p> <p>In this aspect, the volume of outflow organic wastewater will be same as the volume of inflow organic wastewater.</p>		
	Assessment of post registration change – Permanent changes from MP or MM			
	MM compliance: Please check in case of changes to the registered MP, whether they are in compliance with the MM.	The parameters are in compliance to the applied methodology AM0013 version 04.0.		
	Later version of MM: Please check in cases where compliance with a later version of the MM is demonstrated that the conservativeness of the monitoring and verification is not affected.	The change does not required to change to a later version of MM.		
	Accuracy: Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.	<ol style="list-style-type: none"> 1. The outflow of organic wastewater from the digester is to determine the project emissions. 2. Since the volume inflow of organic wastewater is applied as the outflow of organic wastewater from the digester to calculate the project emissions, therefore, the final results could be considered as conservative and will not lead to reduction in the accuracy of ER calculation.^{/ER} 		
	Conservative-	The PP has taken into account the full amount of the inflow		

	ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	of organic wastewater as the outflow organic wastewater to calculate the project emissions will ensure that ER will not be overestimated. ^{/ER/} With this approach, the PE will be conservative to ensure the ER will not be overestimated even though the flow meter is not installed.	
	Appendix 1 PS: Check if the changes fall under one of the scenarios of appendix 1 of the PS.	Since the project activity initiates permanent changes to the monitoring of the parameter F _{Dig_out} , therefore prior approval is required in line with the appendix of CDM PS for project activities, version 01.0 §1 (c). The changes have correctly been reflected in the revised PDD and forwarded in (i) track-change and (ii) clean version	
Findings			
Conclusion	Based on the above stated the permanent changes from the registered monitoring plan, applied monitoring methodology and/or applied standardized baseline are in accordance with applicable validation requirements related to the permanent changes from the registered monitoring plan, monitoring methodology and/or standardized baseline in the VVS.		
Revised PDD			
Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.		<input checked="" type="checkbox"/>	The changes have correctly been reflected in the revised PDD.
		<input type="checkbox"/>	A revision of the PDD is not required (in case of temp. changes).
		<input checked="" type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
Prior Approval			
Prior approval: Assess whether the change requires prior approval of the board		<input checked="" type="checkbox"/>	The post registration change requires prior approval
		<input type="checkbox"/>	The post registration change does not require prior approval

D.7. Changes to the project design

Means of validation	Type of change(s):	<input type="checkbox"/>	Changes to the project design	
		<input type="checkbox"/>	Changes to the PoA design	
	Description of post registration change			
	Start Date: Please provide the start date of the change		End Date: Please provide the end date of the change, if applicable	NA
	Description: Please give a detailed description of the change(s)	NA		
	Applicability and application of the Approved Baseline Methodology			
	Description: Please give a detailed description on how the changes affect the applicability and application of the approved Baseline Methodology. Check if the actual changes would adversely affect the conclusions during validation.			
	Additionality assessment			
	Description:	Methodology:		

	<p>Please give a detailed description re-assessment of additionality, Check whether the actual changes would adversely affect the conclusions during validation. If required please make use of the assessment tables in the annex.</p>	<p><u>Decisive Route of Additionality Justification</u></p> <p>/</p> <p><u>Re-Assessment of Additionality</u></p>	
	<p>Scale of the Project activity</p>		
	<p>Description:</p> <p>Please give a detailed regarding the effect of the changes on the scale of the PA (i.e. LSC or SSC).</p>		
	<p>Revised PDD</p>		
	<p>Rev. of PDD:</p> <p>Check whether the changes have been fully addressed in a revised PDD. In this context pl. refer to</p> <ul style="list-style-type: none"> - Changes in the effective output capacity. - Addition of components or extension of technology - In case of multiple site projects: Removal or addition of sites - Operational parameters under the control of PPs differing from expected parameters - Changes to the baseline Meth (e.g. addition of a new Meth or change of the BL scenario. - Effects with regards to B, C and D above incl. compliance with the MP and level of accuracy and completeness of monitoring. 	<input type="checkbox"/>	
<p>Findings</p>			
<p>Conclusion</p>			
<p>Based on the above the changes to the project design of a registered project activity are in accordance with applicable validation requirements related to the changes to the project design of a registered project activity in the VVS.</p>			
<p>Traceability:</p> <p>Check if the PPs have provided a revised PDD in both clean and track-change version.</p>		<input type="checkbox"/>	<p>The revised PDD has been forwarded in (i) track-change and (ii) clean version.</p>
<p>Prior approval:</p> <p>Assess whether the change requires prior</p>		<input type="checkbox"/>	<p>The changes do not raise concerns with respect to aspects outlined in the PS:</p> <p>a. applicability and application of the Approved</p>

	approval of the board		Baseline Methodology under which the project activity has been registered.
			b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required.
		<input type="checkbox"/>	The post registration change requires prior approval.

D.8. Changes specific to afforestation and reforestation project activities

Means of validation	N/A
Findings	
Conclusion	

SECTION E. Internal quality control

Before submission of the final assessment report a technical review is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the verification team and thus not involved in the decision making process up to the technical review.

As a result of the technical review process the assessment opinion as prepared by the validation team leader may be confirmed or revised. Furthermore, reporting improvements might be achieved.

SECTION F. Validation opinion

The below listed changes have occurred after the registration of the project / PoA

Type of Change occurred	Total No. of changes	No. of changes which require prior approval
<input type="checkbox"/> Temporary deviations from the MP		
<input type="checkbox"/> Temporary deviations from the MM		
<input type="checkbox"/> Corrections that do not affect the project		
<input type="checkbox"/> Change to the start date of the crediting p.		
<input checked="" type="checkbox"/> Permanent changes from the MP	1	1
<input type="checkbox"/> Permanent changes from the MM		
<input type="checkbox"/> Design changes to the project activity / PoA		
<input type="checkbox"/> Changes specific to AR projects		

The above listed post registration changes require prior approval of the Board

Subang Jaya, 12/12/2017

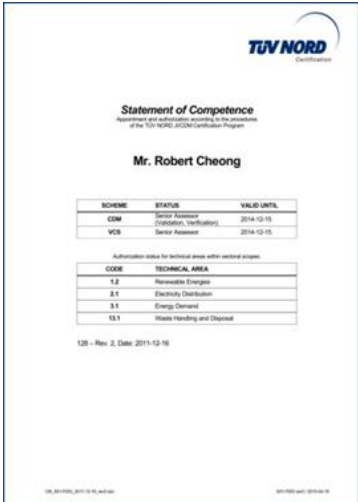


Cheong, Chun Yuen (Robert)
TÜV NORD JI/CDM CP
Assessment Team Leader

Appendix 1. Abbreviations

Abbreviations	Full texts
CA	Corrective Action / Clarification Action
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO₂	Carbon dioxide
CO₂e	Carbon dioxide equivalent
CP	Certification Program
DNA	Designated National Authority
EB	CDM Executive Board
GE	Gas Engine
GHG	Greenhouse gas(es)
GSS	Gas Supply System
PA	Project activity
PDD	Project Design Document
PoA	Programme of Activities
PRC	Post Registration Changes
QC/QA	Quality control/Quality assurance
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JCCDM Certification Program

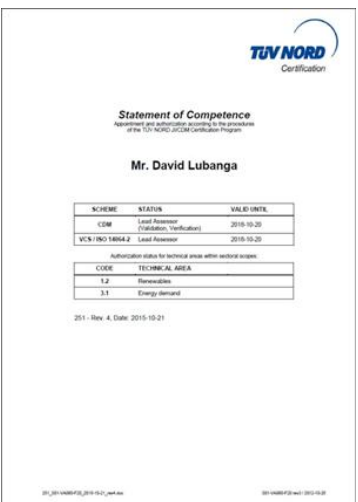
Mr. Robert Cheong

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification)	2014-12-15
VCS	Senior Assessor	2014-12-15

Authorization status for technical areas within sectoral scopes

CODE	TECHNICAL AREA
1.2	Renewable Energy
2.1	Electricity Distribution
3.1	Energy Demand
13.1	Waste Handling and Disposal

125 - Rev. 2, Date: 2011-12-16



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JCCDM Certification Program

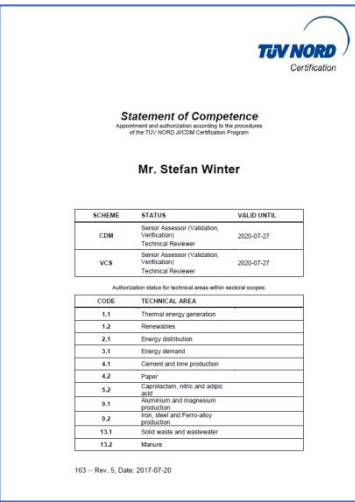
Mr. David Lubanga

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification)	2015-10-20
VCS / ISO 14064-2	Lead Assessor	2015-10-20

Authorization status for technical areas within sectoral scopes

CODE	TECHNICAL AREA
1.2	Renewables
3.1	Energy demand

251 - Rev. 4, Date: 2015-10-21



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JCCDM Certification Program

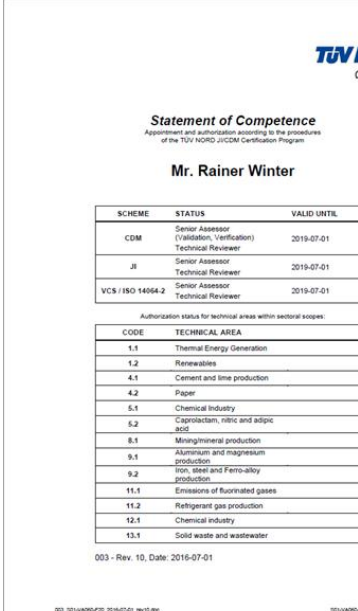
Mr. Stefan Winter

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification)	2020-07-27
VCS	Senior Assessor (Validation, Verification)	2020-07-27

Authorization status for technical areas within sectoral scopes

CODE	TECHNICAL AREA
1.1	Thermal energy generation
1.2	Renewables
2.1	Energy distribution
3.1	Energy demand
4.1	Cement and lime production
4.2	Paper
5.2	Caprolactam, nitric and adipic acid
9.1	Aluminium and magnesium production
9.2	Iron, steel and Ferro-alloy production
13.1	Solid waste and wastewater
13.2	Manure

163 - Rev. 5, Date: 2017-07-20



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JCCDM Certification Program

Mr. Rainer Winter

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification)	2019-07-01
JI	Senior Assessor	2019-07-01
VCS / ISO 14064-2	Senior Assessor	2019-07-01

Authorization status for technical areas within sectoral scopes

CODE	TECHNICAL AREA
1.1	Thermal Energy Generation
1.2	Renewables
4.1	Cement and lime production
4.2	Paper
5.1	Chemical Industry
5.2	Caprolactam, nitric and adipic acid
8.1	Mining/mineral production
9.1	Aluminium and magnesium production
9.2	Iron, steel and Ferro-alloy production
11.1	Emissions of fluorinated gases
11.2	Refrigerant gas production
12.1	Chemical industry
13.1	Solid waste and wastewater

003 - Rev. 10, Date: 2016-07-01

Appendix 3. Documents reviewed or referenced

No.	Author	Reference	Title	References to the document	Provider
1	UNFCCC	/AM13/	AM0013: Avoided methane emissions from organic waste-water treatment Version 04.0	http://cdm.unfccc.int/methodologies/PAmethodologies/approved	Others
2	UNFCCC	/ACM2/	ACM0002: Consolidated baseline methodology for grid-connected electricity generation from renewable sources version 06	http://cdm.unfccc.int/methodologies/PAmethodologies/approved	Others

No.	Author	Reference	Title	References to the document	Provider
3	DOE	/CPM/	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)		Others
4	UNFCCC	/GT/	Glossary "CDM terms" (version 09.1)	https://cdm.unfccc.int/filestorage/e/x/t/extfile-20150226124447549-glos_CDM.pdf/glos_CDM.pdf?t=UmZ8bnFjODI3fDCW9A3vJwR03kQq4sbLiYu	Others
5	IPCC	/IPCC/	1. 1996 IPCC Guidelines for National Greenhouse Gas Inventories: work book 2. 2006 IPCC Guidelines for National Greenhouse Gas Inventories: work book	www.ipcc-nggip.iges.or.jp	Others
6	UNFCCC	/KP/	Kyoto Protocol (1997)	http://unfccc.int/kyoto_protocol/items/2830.php	Others
7	UNFCCC	/MA/	Decision 3/CMP. 1 (Marrakesh – Accords)	http://cdm.unfccc.int/Reference/CO-PMOP/index.html	Others
8	PP	/ER/	CPI Revised ER calculation sheet for ex-ante estimation dated 09/08/2014		PP
9	UNFCCC	/PDD1/	Project Design Document for CDM project: "Chumporn applied biogas technology for advanced waste water management" version 07 dated 10/05/2007	http://cdm.unfccc.int/Projects/DB/TU-EV-SUED1218620986.14/view	Others
10	UNFCCC	/PDD2/	Revised Project Design Document for CDM project: "Chumporn applied biogas technology for advanced waste water management" version 10 dated 20/11/2014	http://cdm.unfccc.int/Projects/DB/TU-EV-SUED1218620986.14/view	Others
11	PP	/PDD3/	Revised Project Design Document for CDM project: "Chumporn applied biogas technology for advanced waste water management" version 12 dated 30/11/2017		PP
12	UNFCCC	/PRC/	Post Registration Changes Report for CDM project "Chumporn applied biogas technology for advanced waste water management" version 09 dated 24/11/2014	http://cdm.unfccc.int/Projects/DB/TU-EV-SUED1218620986.14/view	Others
13	UNFCCC	/PS/	CDM Project Standard for Project Activities (Version 01.0)	http://cdm.unfccc.int/Reference/Standards/index.html	Others
14	UNFCCC	/VVS/	CDM Validation and Verification Standard for Project Activities (Version 01.0)	http://cdm.unfccc.int/Reference/Standards/index.html	Others

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 3. CLs from this validation

CL ID	xx	Section no.		Date: DD/MM/YYYY
Description of CL				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

Table 4. CARs from this validation

CAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of CAR				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

Table 5. FARs from this validation

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

Appendix 5. Assessment of Financial Parameters

Assessment of Financial Parameters (VVS)

<input checked="" type="checkbox"/>	No financial parameters have changed for additionality justification for this applied design changes					
<input type="checkbox"/>	Assessment of all financial parameters see below					
Parameter	Value applied	Unit	Source of Information (please indicate document and page)	Reference	DOE ASSESSMENT	
					Correctness of value applied	Comment
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	
				//	<input type="checkbox"/>	

Appendix 6. Assessment of Barrier Analysis

Assessment of Barrier Analysis (VVS)

<input checked="" type="checkbox"/>	No barrier parameters are used for additionality justification			
<input type="checkbox"/>	Assessment of barriers see below			
Kind of Barrier (invest, tech, other)	Description of Barrier	Evidence used	Assessment of validation team	
			Appropriateness of information source	Explanation of final result
			<input checked="" type="checkbox"/>	
			<input checked="" type="checkbox"/>	
			<input checked="" type="checkbox"/>	
			<input checked="" type="checkbox"/>	

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	31 October 2017	Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: post-registration change, project activities, validation report		