



SUSTAINABILITY VERIFICATION REPORT

for the GS-CDM Project Activity

Nanyang Danjiang River Solar Cooker Project Phase I

in
P. R. China

Report No. 01 997 9105064933
Version 02.0, 2015-02-26

Designated Operational Entity (DOE)

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I. Project data:

Project title:	Nanyang Danjiang River Solar Cooker Project Phase I	Report No.: 01 997 9105064933
GS Registration No. / Date:	GS 1378/ 13 Aug. 2013	Current revision No.: 02.0
CDM Registration No. / Date:	CDM 6125 / 02 May. 2012	Date of current revision: 2015-02-26
Monitoring period:	from 02 May 2012 to 30 Nov. 2013 (including both the first day and last day)	Date of first issue: 2014-12-16
Methodology:	AMS-I.C Version 19, "Thermal energy production with or without electricity"	
GHG reducing measure/technology:	Displace fossil fuel energy by using solar cooker for renewable solar energy	

Party	Project participants	Party considered a project participant (Yes/No)	Contract Project Participant
P. R. China(Host)	Sirreon Technology & Development (Beijing) Co., Ltd	No	☒
The Netherlands	China Carbon N.V	No	☐

II. Verification Team:

Verification Team			Role									
Full name	Affiliation TÜV Rheinland	Appointed for Sectoral Scopes (Technical Areas)	Team leader	Acting Team Leader	Local Expert	Team Member (Auditor)	Technical Expert	Acting Tech. Expert	Trainee Auditor	Technical Reviewer	Expert to TR	Trainee TR
JIN Hua	China	1.2, 13.1, 13.2	X									
LIU Qing	China	1.2, 8.2, 10.2				X						
ZHU Jiang	China	1.1, 1.2, 4.5								X		
Walter Tang	China	1.1, 1.2, 2.1, 2.2, 3.1, 4.3, 4.5, 13.1								X		

Verification Phases Verification Status:

- ☒ Desk Review
 ☒ Follow up interviews
 ☒ Corrective Actions / Clarifications Requested
 ☒ Resolution of outstanding issues
 ☒ Full Approval and Submission for Issuance
 ☐ Rejected

III. Verification Report:

Final approval	Released	Distribution
☒	By: Mr. Henri Phan	☐ No distribution without permission from the Client or responsible organizational unit
Date: 2015-03-04		☒ Unrestricted distribution

Abbreviations

CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER(s)	Certified Emission Reduction(s)
CR	Clarification request
CO ₂	Carbon dioxide
CO _{2e}	Carbon dioxide equivalent
DOE	Designated Operational Entity
DR	Document Review
GHG	Greenhouse Gas(es)
MR	Monitoring Report
NC	Non-Conformity
PDD	Project Design Document
PP	Project Participant
QA/QC	Quality Assurance & Quality Control
TUVR	TUV Rheinland (China) Ltd.
UNFCCC	United Nations Framework Convention on Climate Change

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1. Introduction

The Sirreon Technology & Development (Beijing) Co., Ltd has commissioned the DOE TÜV Rheinland (China) Ltd. to perform a GS sustainability verification of the GS-CDM Project Activity “Nanyang Danjiang River Solar Cooker Project Phase I” in P. R. China (hereafter referred to as “project activity”). This report summarises the findings of the verification of the project, performed on the basis of requirements of GS project activities. This report contains the findings from the verification and a certification statement for the impacts of the project on sustainable development.

1.1 Objective

Verification is the periodic independent review and *ex post* determination of both quantitative and qualitative information by a Designated Operational Entity (DOE) of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period and the impact of the project on sustainable development.

Certification is the written assurance by a DOE that, during a specific period in time, a project activity achieved the voluntary emission reductions as verified and the project contributed to the sustainable development.

The objective of this verification was to verify and certify the impact of the project on sustainable development reported for the “Nanyang Danjiang River Solar Cooker Project Phase I” in country “P. R. China” for the period from 02 May 2012 to 30 Nov. 2013.

The purpose of verification is to review the monitoring results and verify that monitoring methodology was implemented according to monitoring plan contained in the registered Passport, used to confirm the impact of the project on sustainable development is sufficient, definitive and presented in a concise and transparent manner.

In particular, the monitoring plan, monitoring report and the project’s compliance with relevant host Party and GS criteria are verified in order to confirm that the project has been implemented in accordance with previously registered design and conservative assumptions, as documented.

1.2 Scope

The scope of the verification is:

- To verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
- To verify that reported sustainability monitoring data is sufficiently supported by evidence.

The verification shall ensure that reported contributions to local sustainable development are complete and accurate in order to be certified.

2. Methodology

The verification consists of the following three phases:

- 1) Completeness check of the monitoring report;

- 2) Desk review of the monitoring plan, monitoring report, monitoring methodology, project design document, passport, applicable tools in particular attention to the frequency of measurements, QA/QC procedures and other relevant documents;
- 3) Resolution of outstanding issues and the issuance of the final Verification Report and Certification Statement.

The following sections outline each step in more detail.

2.1 Desk review

The following table outlines the documentation reviewed during the verification:

MR,PDD,VR, Methodologies and Tools, etc.

- /1/. Sustainability Monitoring Report of Version 01, 09 Dec. 2014.
- /2/. Registered PDD of for the proposed project.
- /3/. Registered Passport for the proposed project
- /4/. GS Validation Report for the proposed project.
- /5/. CDM Executive Board, AMS-I.C Thermal energy production with or without electricity (version 19) .
- /6/. The Gold Standard Requirements Version 2.2, 1st June 2012;
- /7/. The Gold Standard Toolkit Version 2.2, 1st June 2012;
- /8/. The Gold Standard Annexes;
- /9/. List of monitoring staff and their responsibilities;
- /10/. Labour Contract between Sirreon Technology & Development (Beijing) Co., Ltd and its employees;
- /11/. Questionnaire survey records for living conditions improvement of local solar cooker users;
- /12/. Purchase Contract of Solar Cooker Equipment signed between Sirreon Technology & Development (Beijing) Co., Ltd and Nanyang Jinlong Solar Energy Technology Co., Ltd., 28th May 2011;
- /13/. Xichuan County Bureau of Agriculture, Project acceptance report, 1st August 2011;
- /14/. Sirreon Technology & Development (Beijing) Co., Ltd, Staff salary payslips;

2.2 On-site visit and follow-up interviews with project stakeholders

TÜV Rheinland Verification Team carried out an on-site visit on 19 Jan. 2014 and performed interviews with the project representatives and stakeholders. Prior to the interview salient points to be discussed were planned. Date of interview, interviewee and points discussed are given in the following table:

	Date	Name	Organization	Topic
/i/	2014-01-19	Mr. KANG Chenli	General Manager / Sirreon Technology & Development (Beijing)	- Project Implementation - Project operation - Management and Operational procedures - Data collection

			Co., Ltd.	procedure - Data QA/QC procedures
/ii/	2014-01-19	1. SHU Jun/DJ-I-09821 2. HUA Zhuhui/DJ-I-13831 3. ZHANG Qinyun/DJ-I-20532 4. WEI Xuwei/DJ-I-23325 5. WU Zhi/DJ-I-27760 6. XIE Gangguang/DJ-I-33287 7. DENG Tiejie/DJ-I-35258 8. TIAN Yumei/DJ-I-09101 9. SHI Fangqiao/DJ-I-12945 10. MEI Quanjin/DJ-I-12728 11. MIAO Kangsheng/DJ-I-12297 12. HUANG Meifang/DJ-I-35361 13. SHI Qinrong/DJ-I-23428 14. CHEN Fuzhong/DJ-I-13566 15. FANG Bo/DJ-I-34444 16. JIANG Zhiyu/DJ-I-44299 17. Yan Faqi/DJ-I-43199 18. KANG Yalin/DJ-I-06184 19. XIE Shucuo/DJ-I-34017 20. SU Lingong/DJ-I-21438 21. FEI Ruoshan/DJ-I-00677 22. CAO Baoqiang/DJ-I-34925 23. WEI Qiangjun/DJ-I-34869 24. GUO Fenxing/DJ-I-01507 25. QI Qichai/ DJ-I-34777 26. ZHI Faren/DJ-I-38354 27. KE Dongjian/DJ-I-00480 28. YU Saogui/DJ-I-22066 29. Ling Xiaqiao/DJ-I-37180 30. XU Junshan/DJ-I-23118 31. REN Xiangmei/DJ-I-12562 32. XUE Yishi/DJ-I-44699 33. DU Xinsheng/DJ-I-43407 34. GUO Jiancheng/DJ-I-20741 35. NAN Yingliang/DJ-I-14884 36. CAO Kexing/DJ-I-29475 37. LIU Fei/DJ-I-22803 38. LIU Xinbao/DJ-I-14858	Solar cooker user Xichuan County	- Project Implementation - Project operation - Data collection procedure
/iii/	2014-01-19	WANG Laishuang JIA Changyao LI Haitao DU Dingqian HAN Qingfeng LIU Xianfang	Local coordinator Xichuan County	- Solar cooker redistribution - Project operation - Solar cooker maintenance
/iv/	2014-01-19	LI Xuanyi	Agriculture Bureau of Xichuan County	- Project Implementation - Project operation - Management and Operational procedures - Data collection procedure

				- Data QA/QC procedures
/v/	2014-01-19	LI Mennan	Consultant	- Monitoring results reporting - ER calculation

Verification Team along with onsite observation, objective evidence collections, data generation and recording analysis also considered the views obtained in these interviews while arriving at Verification Opinion.

2.3 Resolution of outstanding issues

The objective of this phase of the verification is to resolve any outstanding issues (issues that require further elaboration, research or expansion) which have to be clarified prior to final DOE's conclusions on the project implementation, monitoring practices and achieved contribution to sustainable development. In order to ensure transparency a verification protocol is completed for the project activity. The protocol shows in transparent manner criteria (requirements), means of verification and resulting statements on verification actual project activity against identified criteria.

The verification protocol serves the following purposes:

- It organises in a table form, details and clarifies the requirements, which project is expected to meet GS requirements;
- It ensures a transparent verification process where the DOE will document how a particular requirement has been verified and the result of the verification.
- It ensures that the issues are accurately identified, formulated, discussed and concluded in the verification report.

The verification protocol consists of two tables. Table 1 reflects the verification requirements and reference to the materials used to verify the project activity against those requirements, as well as means of verification, reference to Table 2 and preliminary and final opinion of the DOE on every particular requirement. The completed verification protocol for this project is enclosed in Appendix A to this report.

Findings during the verification can be interpreted as a non-compliance with GS criteria or a risk to the compliance. Corrective action requests (CARs) are raised, in case:

- (a) Non-conformities with the monitoring plan or methodology are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient;
- (b) Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;

Requests for clarification (CRs) are raised, if information is insufficient or not clear enough to determine whether the applicable GS requirements have been met.

2.4 Internal quality control

The final verification report has passed a technical review before being submitted for request for issuance. The technical review was performed by a technical reviewer qualified in accordance with TÜV Rheinland's qualification scheme for CDM/GS validation and verification that meets the criteria of EB guidelines for qualification.

2.5 Verification Team

Before the assessment begins, members of the verification team are ensured to cover the technical area(s), sectoral scope(s) and relevant host country experience including local language ability for evaluating the GS verification activity.

Verification Team			Type of Involvement							
Full name	Affiliation TÜV Rheinland	Appointed for Sectoral Scopes (Technical Areas)	Supervising the work	Desk review	Site Visit + Interview	Report and protocol Writing	Technical Expert Input	Reporting Support	Trainee Technical Review	Technical Review
JIN Hua	China	1.2, 13.1, 13.2	X	X	X	X		X		
LIU Qing	China	1.2, 8.2, 10.2					X			
ZHU Jiang	China	1.1, 1.2, 4.5								X
Walter Tang	China	1.1, 1.2, 2.1, 2.2, 3.1, 4.3, 4.5, 13.1								X

3. Verification findings

The findings of the verification are described in the following sections. The verification criteria (requirements), the means of verification and the results of verification are documented in detail in the verification protocol in Appendix A.

3.1 Project implementation

The project has been registered as a CDM project activity on 02 May. 2012 with registration number of CDM 6125, for details please refer to the link: <https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1335494252.18/view>

Further, the project was also registered as a GS project on 13 Aug. 2013 with the registration number of GS 1378.

According to the registered PDD, the project participant has opted for the fixed crediting period of 10 years with the start date from 02/05/2012. The monitoring period for this verification is from 02 May 2012 to 30 Nov. 2013(including both the days) hence the monitoring period is within the crediting period limit. The actual GHG emission reductions achieved in this monitoring period (from 02 May 2012 to 30 Nov. 2013) is 145,285 tCO₂e, which has already been certified under the CDM programme, please refer to the link: <https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1335494252.18/iProcess/TUEV-RHEIN1387528600.53/view>

As the project applies for Gold Standard CERs, therefore the same monitoring period (from 02 May 2012 to 30 Nov. 2013) is conducted for those sustainability parameters contained in the registered Passport/3/.

3.2 Continuous input / Grievance Mechanism

Through on-site assessment and interview with relevant stakeholders, the verification team is able to confirm that the Continuous input / Grievance Mechanism has been in place, such as the Comment Book has been available outside the wall of Xichuan Agriculture Bureau meeting room and all stakeholders have access to provide feedback on this project on this book. In addition, stakeholders are also free to provide their comments via telephone number of +86 10 60238895 and email address of sufangleigs@163.com. There are no any complaints received from the stakeholders for the implementation of the project activity during the current monitoring period.

3.3 Sustainability monitoring check

The monitoring of the contribution to sustainable development during this monitoring period according to the sustainability monitoring plan in GS registered Passport is verified as follows:

Table 13

Sustainable development indicator	Chosen parameter	Frequency	Assessment by verification team
Quality of employment	Type of job generated by the project monitoring activity	Yearly	According to the registered Passport, the project region is an underdeveloped poor region and the majority of employment is agricultural labour or other heavy manual labour with poor working conditions in the baseline. Through document review/9//10/, the verification team understood that the project has created 3 types of monitoring jobs (i.e. data survey, data recording and data verification). The working duties and hours of each type of job have been described in the Sustainability MR, which reflects that the 3 types of monitoring jobs are neither agricultural labour nor heavy manual labour and belong to more technology- and knowledge-based employment with good working conditions (e.g. social insurance, occupational skill training) as compared to the baseline. After having reviewed ‘Purchase Contract of Solar Cooker Equipment’/12/ and ‘Project acceptance report’/13/, the verification team confirms that a number of 48,000 solar cookers have been installed and put into operation for rural households, which obviously stimulated local solar energy development. Therefore the verification team confirms that the project meets the future target for this parameter defined in the registered Passport.

			Therefore the verification team is convinced that the 'Quality of employment' is positively improved during the monitoring period compared to the baseline.
Livelihood of the Poor	Reduced expenditures from purchasing coal	Yearly	After having reviewed the evidence of 'Questionnaire survey records for living conditions improvement of local solar cooker users'/11/, the verification team understood that the PP has distributed 48 questionnaires to solar cooker users within the project boundary, and all 48 questionnaires have been actually returned, which shows that 100% solar cooker users have saved an average cost of 1,118 RMB from purchasing coal per year per household as compared to the baseline. Therefore the verification team confirms that the future target for this parameter defined in the registered Passport have been fulfilled by the project activity during the monitoring period. Therefore the verification team is convinced that the 'Livelihood of the poor' is positively improved during the monitoring period compared to the baseline.
Access to affordable and clean energy services	The number of solar cookers installed.	Yearly	According to the registered Passport, the baseline situation of parameter is estimated as zero. Through document review/12//13/, the verification team confirms that a total of 48,000 sets of solar cookers have been installed and put into operation for the project activity. Thus the verification team confirms that the 'Access to affordable and clean energy' is positively improved compared to the baseline.
Quantitative employment and income generation	The number of jobs created by project owner for project monitoring, and the average salary of these jobs	Yearly	According to the registered Passport, local people have no such job opportunities from the Project, and their income has no increase in the baseline. Through document review/9//14/, it is confirmed that 30 local people were employed in the project, which meets the future target for this parameter defined in the registered Passport. This work brings them additional income. The monthly payslip has been checked indicating that the average monthly salary is 3,000CNY(pre-tax), which

			is slightly higher than the local average of the same type of job¹. Thus the verification team is convinced that the ‘Quantitative employment and income generation’ is positively improved compared to the baseline.
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In summary, the verification team confirms that the project under the Gold Standard results in a positive contribution to local sustainable development.

¹ <http://hany.lss.gov.cn/index.php?m=content&c=index&a=show&catid=11&id=2239>

Appendix A

GS Sustainability Verification Protocol

Nanyang Danjiang River Solar Cooker Project Phase I in P. R. China

to Report No. 01 997 9105064933

Table 1: Verification requirements

Checklist question	Ref.	MoV ²	Findings, comments, references, data sources	Draft conclusion	Final conclusion
Sustainability indicators					
1 Indicator: Quality of employment - Are there any changes to this development indicator after implementation of this project activity? - How and with what is frequency to monitor the parameters and associated indicators on a quantitative and /or qualitative basis? - Were mitigation/compensation measures achieved and implemented according to the success indicators as established in the sustainability monitoring plan(s)? - Have the social and economic impact of the project been investigated and an assessment made of its contribution, positive or otherwise, to sustainable development in the area?	/1//2//3//5//6//7/	DR	Yes, the 'Quality of employment' is positively improved during the monitoring period compared to the baseline.	OK	OK
2 Indicator: Livelihood of the poor - Are there any changes to this development indicator after implementation of this project activity? - How and with what is frequency to monitor the parameters and associated indicators on a quantitative and /or qualitative basis? - Were mitigation/compensation measures	/1//2//3//5//6//7/	DR	Yes, the 'Livelihood of the poor' is positively improved during the monitoring period compared to the baseline.	OK	OK

² MoV = Means of Verification, DR= Document Review, I = Interview, OSV = Onsite Visit, www = internet search.

Checklist question	Ref.	MoV ²	Findings, comments, references, data sources	Draft conclusion	Final conclusion
<i>achieved and implemented according to the success indicators as established in the sustainability monitoring plan(s)?</i> <i>Have the social and economic impact of the project been investigated and an assessment made of its contribution, positive or otherwise, to sustainable development in the area?</i>					
3 Indicator: Access to affordable and clean energy services <i>Are there any changes to this development indicator after implementation of this project activity?</i> <i>How and with what is frequency to monitor the parameters and associated indicators on a quantitative and /or qualitative basis?</i> <i>Were mitigation/compensation measures achieved and implemented according to the success indicators as established in the sustainability monitoring plan(s)?</i> <i>Have the social and economic impact of the project been investigated and an assessment made of its contribution, positive or otherwise, to sustainable development in the area?</i>	/1//2//3//5//6//7/	DR	Yes, the 'Access to affordable and clean energy' is positively improved compared to the baseline.	OK	OK
4 Indicator: Quantitative employment and income generation <i>Are there any changes to this development indicator after implementation of this project activity?</i>	/1//2//3//5//6//7/	DR	Yes, the 'Quantitative employment and income generation' is positively improved compared to the baseline.	OK	OK

Checklist question	Ref.	MoV ²	Findings, comments, references, data sources	Draft conclusion	Final conclusion
- <i>How and with what is frequency to monitor the parameters and associated indicators on a quantitative and /or qualitative basis?</i> - <i>Were mitigation/compensation measures achieved and implemented according to the success indicators as established in the sustainability monitoring plan(s)?</i> - <i>Have the social and economic impact of the project been investigated and an assessment made of its contribution, positive or otherwise, to sustainable development in the area?</i>					

Table 2: List of Requests for Corrective Action (CAR) and Clarification Request (CR)				
No.	Observation (CAR/CR)	Reference (Table 1)	Summary of project owner response	Verification team conclusion
1.	Not applicable			

Appendix B

Certification Statement
to the Verification Report 01 996 9105064933

Certification Statement

TÜV Rheinland (China) Ltd., the DOE, has performed the sustainability verification of the registered GS project activity “Gold standard ID no. 1378”, “Nanyang Danjiang River Solar Cooker Project Phase I” in P. R. China. The project activity is designed not just to generate emission reductions by destruction of methane emissions and displacement of more-GHG-intensive service, but also to positively contributing to local sustainability development.

The project participants are responsible for the collection of data in accordance with the monitoring plan and the reporting of sustainable development indicators. It is DOE’s responsibility to express an independent verification statement on the reported impacts on sustainable development from the project. The verification is carried out in line with the GS requirements.

The verification was performed to verify the actual impact of the project on sustainable development, through obtaining evidence and information that included i) checking whether the provisions of the monitoring plan contained in the registered Passport were consistently and appropriately applied and ii) the collection of evidence supporting the reported data.

The verification is based on:

- Registered PDD;
- Registered Passport;
- Approved monitoring methodology AMS-IC Thermal energy production with or without electricity (version 19);
- Approved Validation Report;
- Monitoring Report;

This statement covers verification period from 02 May 2012 to 30 Nov. 2013.

The DOE does not raise any corrective action requests and clarification requests, since all monitoring activities have been accomplished appropriately.

The DOE hereby certifies that the project activity, has led to a positive contribution to local sustainable development and all monitoring requirements have been fulfilled.

2015-03-04

Date



Mr. Henri Phan
DOE Manager
TÜV Rheinland (China)
Ltd.

2015-03-02

Date



Mr. Walter TANG
Technical Reviewer
TÜV Rheinland (China) Ltd.

2015-02-26

Date



Mr. JIN Hua
Team Leader
TÜV Rheinland (China) Ltd.

Appendix C

Certificates of Competence

Qualification

Jin, Hua /

Emission Trading

United Nations Framework Convention on Climate Change

Auditor No.:

(AuditorenRegNr)

Appointed:

(Zugelassen)

☒ ja

Qualification Level:

(Qualifikationsstufe)

Lead Auditor

External:

(Externer)

☐ ja

Add. reviewer:

(Zusätzlicher Prüfer)

☐ yes

EAC Scopes:

(EAC Branchen)

CDM 13 - Waste handling and disposal

CDM 01 - Energy industries (renewable - / non-renewable sources)

Add. qualification:

(zus. Qualifikation)

First Appointment:

(Erstberufung)

01/23/2011

Valid to:

(Gültig bis)

01/22/2017

Remarks:

Valid for TA 1.2 and TA 13.1/ 13.2

Languages:

Chinese simplified

English

Experience Exchange

Date

Location

Remarks

Accreditation(s)

2011-06-18

Change

Beijing

Beijing CDM Seminar-EB61/62

United Nations Framework Convention on C

Monitoring

Latest Monitoring:

(letzte Beurteilung)

Next Monitoring:

(nächste Beurteilung)

Remarks:

[View / Edit Monitoring](#)

History of scope allocation

Date: 2012-11-26
Change: EAC CDM added; CDM 01 Energy Industries removed
By: Praveen Urs
Reason:

Date: 2012-02-09
Change: EAC 01 removed; CDM 01 Energy Industries added
By: Praveen Urs
Reason:

Date: 2012-02-09
Change: EAC 01 added
By: Praveen Urs
Reason:

Date: 2011-01-24
Change: EAC CDM added
By: Manfred Brinkmann
Reason: Valid for TA 13.1

History

Created:	11/16/2010 04:34:24 PM	Hua Jin/Bj/Chn/TUV
Modified:	01/20/2014 03:32:21 PM	Hua Jin/Chn/TUV
	11/26/2012 12:53:46 PM	Hua Jin/Chn/TUV
	04/16/2012 07:20:41 PM	Manfred Brinkmann/Jpn/TUV
	04/16/2012 07:20:28 PM	
	02/09/2012 07:38:35 PM	
	01/24/2011 11:21:34 AM ZE9	
	01/24/2011 11:19:42 AM ZE9	
	11/16/2010 04:34:39 PM	

Export to ICMS

Last Export:

Qualification

LIU, QING /

Emission Trading

United Nations Framework Convention on Climate Change

Auditor No.:
(AuditorenRegNr)

Appointed:
(Zugelassen)

☒ ja

Qualification Level:
(Qualifikationsstufe)

Lead Auditor

External:
(Externer)

☐ ja

Add. reviewer:
(Zusätzlicher Prüfer)

☒ yes

EAC Scopes:
(EAC Branchen)

CDM 01 - Energy industries (renewable - / non-renewable sources)
CDM 08 - Mining/Mineral production
CDM 10 - Fugitive emissions from fuels (solid; oil and gas)

Add. qualification:
(zus. Qualifikation)

First Appointment:
(Erstberufung)

08/05/2014

Valid to:
(Gültig bis)

07/05/2017

Remarks:

Valid for TA 1.2, 8.2/10.2

Languages:

Chinese
English

Experience Exchange

Date

Location

Remarks

Accreditation(s)

2011-06-18
Change

Beijing

Beijing CDM Seminar-EB61/62

United Nations Framework Convention on Climate Change

Monitoring

Latest Monitoring:
(letzte Beurteilung)

Next Monitoring:
(nächste Beurteilung)

Remarks:

History of scope allocation

Date:

2011-05-09

Change:

EAC CDM, CDM, CDM added

By:

Manfred Brinkmann

Reason:

Valid for TA 1.2, 8.2/10.2

History

Created:	04/25/2011 03:35:53 PM	Qing Liu/Bj/Chn/TUV
Modified:	05/27/2014 04:31:18 PM	Henri Phan/Chn/TUV
	05/27/2014 03:30:39 PM	Qing Liu/Chn/TUV
	05/27/2014 01:22:34 PM	Qing Liu/Chn/TUV
	03/25/2013 07:42:31 PM	
	03/25/2013 05:29:31 PM	
	03/25/2013 04:20:59 PM	
	03/25/2013 12:22:24 PM	
	04/19/2012 09:43:11 AM	
	05/09/2011 11:56:09 AM ZE9	
	04/25/2011 03:36:07 PM	

Export to ICMS

Last Export:

Qualification

Zhu, Jiang /

Emission Trading

United Nations Framework Convention on Climate Change

Auditor No. :
(AuditorenRegNr)

Appointed:
(Zugelassen)

☒ ja

Qualification Level: Lead Auditor
(Qualifikationsstufe)

External:
(Externer)

☐ ja

Add. reviewer: ☒ yes
(Zusätzlicher Prüfer)

EAC Scopes:
(EAC Branchen)

CDM 01 – Energy industries (renewable – / non-renewable sources)
CDM 04 – Manufacturing industries

Add. qualification:
(zus. Qualifikation)

First Appointment:
(Erstberufung)

2009/03/08

Valid to:
(Gültig bis)

2015/03/07

Remarks:

CDM 01: valid for TA 1.1, 1.2
CDM 04: valid for TA 4.5 – Other WHR and Fuel Switch
+ Part Time TR

Languages:

Chinese
English

Experience Exchange

Date

Location

Remarks

Accreditation

2011-06-18
Change

Beijing

Beijing CDM Seminar-EB61/62

United Nations Framework Convention on

2010-12-21

Beijing

GC CDM Auditor Experience Exchange, Beijing, 2010-12-21 to 23

United Nations Framework Convention on Climate Change

Monitoring

Latest Monitoring:
(letzte Beurteilung)

Next
Monitoring:
(nächste
Beurteilung)

Remarks:

[View / Edit Monitoring](#)

History of scope allocation

Date: 2009-03-08
Change: EAC CDM added
By: Manfred Brinkmann
Reason:

History

Created:	2008/03/20 13:56:52	Daxun Li/Bj/Chn/TUV
Modified:	2012/09/28 11:52:16	Praveen Urs/Chn/TUV
	2012/09/28 11:27:35	Praveen Urs/Chn/TUV
	2012/03/12 15:05:17	Praveen Urs/Chn/TUV
	2012/03/07 14:06:06	
	2011/01/13 15:24:11 ZE9	
	2011/01/13 15:22:23 ZE9	
	2010/11/10 18:24:28 ZE9	
	2010/11/10 18:23:35 ZE9	
	2008/03/20 13:57:07	

Export to ICMS

Last Export:

Qualification

Tang, Walter /

Emission Trading

United Nations Framework Convention on Climate Change

Auditor No.:

(AuditorenRegNr)

Appointed:
(Zugelassen)

☒ ja

Qualification Level:
(Qualifikationsstufe)

Lead Auditor

External:
(Externer)

☐ ja

Add. reviewer:
(Zusätzlicher Prüfer)

☒ yes

EAC Scopes:
(EAC Branchen)

CDM 01 - Energy industries (renewable - / non-renewable sources)
CDM 02 - Energy distribution
CDM 03 - Energy demand
CDM 13 - Waste handling and disposal
CDM 04 - Manufacturing industries

Add. qualification:
(zus. Qualifikation)

First Appointment:
(Erstberufung)

10/11/2011

Valid to:
(Gültig bis)

09/11/2015

Remarks:

Appointed as Technical Reviewer for TA 1.1, 1.2, 2.1, 2.2, 3.1 Direct work experience. TA 4.3, 4.5, 13.1 based on Annex D para 9 of the Accreditation Standard

Languages:

Chinese simplified
English

Experience Exchange

Date

Location

Remarks

Accreditation(s)

Monitoring

Latest Monitoring:
(letzte Beurteilung)

Next Monitoring:
(nächste Beurteilung)

Remarks:

History of scope allocation

Date:	2012-02-13
Change:	EAC CDM added
By:	Praveen Urs
Reason:	
Date:	2012-02-13
Change:	EAC CDM, CDM, CDM, CDM added
By:	Praveen Urs
Reason:	

History

Created:	12/06/2011 05:00:51 PM	Walter Tang/Chn/TUV
Modified:	07/06/2012 04:47:48 PM	Praveen Urs/Chn/TUV
	07/02/2012 03:08:57 PM	Nelly Yong/MY/TUV
	07/02/2012 03:08:48 PM	Walter Tang/Chn/TUV
	05/15/2012 03:30:46 PM	
	02/13/2012 08:00:10 PM	
	12/06/2011 05:01:30 PM	

Export to ICMS

Last Export: