



VERIFICATION REPORT

«CEP CARBON EMISSIONS PARTNERS S.A.»

VERIFICATION OF THE
IMPLEMENTATION OF THE ENERGY EFFICIENCY MEASURES
AND REDUCTION OF GREENHOUSE GAS EMISSIONS INTO THE
ATMOSPHERE AT STATE ENTERPRISE "COAL COMPANY
"KRASNOLIMANSKA"

INITIAL AND FIRST PERIODIC AND FOR THE PERIOD
01/01/2008 – 31/12/2011

REPORT No. UKRAINE-ver/0714/2012

REVISION No. 02

BUREAU VERITAS CERTIFICATION



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Client: CEP CarbonEmissionsPartners S.A.	Client ref.: Fabian Knodel

Summary:
Bureau Veritas Certification has made the initial and 1st periodic verification of the "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" project of «CEP Carbon Emissions Partners S.A.» located in Donetsk region, Ukraine, and applying JI specific approach, on the basis of UNFCCC criteria for the JI, as well as criteria given to provide for consistent project operations, monitoring and reporting. UNFCCC criteria refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

The verification scope is defined as a periodic independent review and ex post determination by the Accredited Entity of the monitored reductions in GHG emissions during defined verification period, and consisted of the following three phases: i) desk review of the monitoring report against project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion. The overall verification, from Contract Review to Verification Report & Opinion, was conducted using Bureau Veritas Certification internal procedures.

The first output of the verification process is a list of Clarification, Corrective Actions Requests, Forward Actions Requests (CR, CAR and FAR), presented in Appendix A.

In summary, Bureau Veritas Certification confirms that the project is implemented as planned and described in approved project design documents. Installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions. The GHG emission reduction is calculated accurately and without material errors, omissions, or misstatements, and the ERUs issued totalize 1 259 435 tonnes of CO₂ equivalent for the monitoring period from 01/01/2008 to 31/12/2011.

Our opinion relates to the project's GHG emissions and resulting GHG emission reductions reported and related to the approved project baseline and monitoring, and its associated documents.

Report No.: UKRAINE-ver/0714/2012	Subject Group: JI
Project title: Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska"	
Work carried out by: Vyacheslav Yeriomin : Team Leader, Lead Verifier Vasiliy Kobzar: Team Member, Technical Specialist	
Work reviewed by: Ivan Sokolov – Internal Technical Reviewer Victoria Legka – Technical Specialist	
Work approved by: Ivan Sokolov – Operational Manager	
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1 INTRODUCTION

«CEP Carbon Emissions Partners S.A.» has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project “Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" (hereafter called “the project”) at Donetsk region, Ukraine.

This report summarizes the findings of the verification of the project, performed on the basis of UNFCCC criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

1.1 Objective

Verification is the periodic independent review and ex post determination by the Accredited Independent Entity of the monitored reductions in GHG emissions during defined verification period.

The objective of verification can be divided in Initial Verification and Periodic Verification.

UNFCCC criteria refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

1.2 Scope

The verification scope is defined as an independent and objective review of the project design document, the project’s baseline study, monitoring plan and monitoring report, and other relevant documents. The information in these documents is reviewed against Kyoto Protocol requirements, UNFCCC rules and associated interpretations.

The verification is not meant to provide any consulting towards the Client. However, stated requests for clarifications, corrective and/or forward actions may provide input for improvement of the project monitoring towards reductions in the GHG emissions.

1.3 Verification Team

The verification team consists of the following personnel:

Vyacheslav Yeriomin
Bureau Veritas Certification Team Leader, Climate Change Verifier

Vasiliy Kobzar
Bureau Veritas Certification Technical Specialist



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This determination report was reviewed by:

Ivan Sokolov
Bureau Veritas Certification Internal Technical Reviewer

Victoria Legka
Bureau Veritas Certification Technical Specialist

2 METHODOLOGY

The overall verification, from Contract Review to Verification Report & Opinion, was conducted using Bureau Veritas Certification internal procedures.

In order to ensure transparency, a verification protocol was customized for the project, according to the version 01 of the Joint Implementation Determination and Verification Manual, issued by the Joint Implementation Supervisory Committee at its 19 meeting on 04/12/2009. The protocol shows, in a transparent manner, criteria (requirements), means of verification and the results from verifying the identified criteria. The verification protocol serves the following purposes:

- It organizes, details and clarifies the requirements a JI project is expected to meet;
- It ensures a transparent verification process where the verifier will document how a particular requirement has been verified and the result of the verification.

The completed verification protocol is enclosed in Appendix A to this report.

2.1 Review of Documents

The Monitoring Report (MR) submitted by «CEP Carbon Emissions Partners S.A.» and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Approved CDM methodology, Determination Report of the project issued by Bureau Veritas Certification Holding SAS, No. UKRAINE-det/0599/2012 dated 31/08/2012 and/or Guidance on criteria for baseline setting and monitoring, Host party criteria, Kyoto Protocol, Clarifications on Verification Requirements to be Checked by an Accredited Independent Entity were reviewed.

The verification findings presented in this report relate to the Monitoring Report for the period of 01/01/2008 – 31/12/2011, version 1.0 dated 27/09/2012 and version 2.0 dated 05/10/2012 and project as described in the determined PDD.



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2.2 Follow-up Interviews

On 05/10/2012 Bureau Veritas Certification performed on-site interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of «CEP CARBON EMISSIONS PARTNERS S.A.» and State Enterprise “Coal Company “Krasnolimanska” were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
State Enterprise “Coal Company “Krasnolimanska”	Organizational structure Responsibilities and authorities Roles and responsibilities for data collection and processing Installation of equipment Data logging, archiving and reporting Metering equipment control Metering record keeping system, database IT management Training of personnel Quality management procedures and technology Internal audits and check-ups
«CEP CARBON EMISSIONS PARTNERS S.A.»	Baseline methodology Monitoring plan Monitoring report Excel spreadsheets

2.3 Resolution of Clarification, Corrective and Forward Action Requests

The objective of this phase of the verification is to raise the requests for corrective actions and clarification and any other outstanding issues that needed to be clarified for Bureau Veritas Certification positive conclusion on the GHG emission reduction calculation.

If the Verification Team, in assessing the monitoring report and supporting documents, identifies issues that need to be corrected, clarified or improved with regard to the monitoring requirements, it should raise these issues and inform the project participants of these issues in the form of:

- (a) Corrective action request (CAR), requesting the project participants to correct a mistake that is not in accordance with the monitoring plan;
- (b) Clarification request (CL), requesting the project participants to provide additional information for the Verification Team to assess compliance with the monitoring plan;



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(c) Forward action request (FAR), informing the project participants of an issue, relating to the monitoring that needs to be reviewed during the next verification period.

The Verification Team will make an objective assessment as to whether the actions taken by the project participants, if any, satisfactorily resolve the issues raised, if any, and should conclude its findings of the verification.

To guarantee the transparency of the verification process, the concerns raised are documented in more detail in the verification protocol in Appendix A.

3 VERIFICATION CONCLUSIONS

In the following sections, the conclusions of the verification are stated.

The findings from the desk review of the original monitoring documents and the findings from interviews during the follow up visit are described in the Verification Protocol in Appendix A.

The Clarification, Corrective and Forward Action Requests are stated, where applicable, in the following sections and are further documented in the Verification Protocol in Appendix A. The verification of the Project resulted in 8 Corrective Action Requests and 1 Clarification Request.

The number between brackets at the end of each section corresponds to the DVM paragraph.

3.1 Remaining issues and FARs from previous verifications

No FARs were raised during determination.

3.2 Project approval by Parties involved (90-91)

Written project approval by the Ukraine #2894/23/7 dated 04/10/2012 has been issued by the State Environmental Investment Agency of Ukraine.

Written project approval by Switzerland Designated Focal Point was received for the proposed project on 24/08/2012 (Letter of Approval #J294-0485).

The abovementioned written approvals are unconditional.

The identified areas of concern as to the Project approval by Parties involved, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CAR 01, CAR 02).



3.3 Project implementation (92-93)

The main purpose of the Joint Implementation Project (hereinafter - JI project) "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" is improvement of energy efficiency and safety of operations (coal mining), as well as improvement of environmental situation in the region by complex modernization of operations, implementation of coal mine methane (CMM) recovery technology, as well as implementation of waste heap monitoring program and urgent extinction technology at Krasnolimanska Mine.

Baseline scenario.

The baseline scenario provides for the continuation of operation of the existing equipment with routine repairs without any major investments, which meets the requirements of the state standards and legislation of Ukraine. Specific energy consumption for electricity supply and heat supply of technological processes remain stable or growing, causing higher GHG emissions into the atmosphere. According to the existing technology, colliery gas, which consists mainly from methane, is deained out into the atmosphere. The baseline envisages the continuation of the existing practice on waste heap No.2 monitoring and extinction if burning spots are detected, in accordance with NPAOP 10.0-5.21-04 "Manual on self-ignition prevention, extinction and demolition of waste heaps". However, these activities proved to be ineffective, which is evidenced by annual temperature surveys detecting recurrent hot spots in a waste heap. Since waste heaps consist from coal (10-15%), its combustion is accompanied by a great amount of emissions of GHGs and other pollutants into the atmosphere.

Project scenario.

Main project activities aimed at the reduction of GHG emissions into the atmosphere are:

1. complex modernization of coal mining equipment;
2. implementation of coal mine methane (CMM) recovery technology;
3. implementation of waste heap No.2 extinction technology at SE "CC "Krasnolimanska".

Implementation of energy-efficient and energy-saving equipment and technologies provided for by a complex modernization within the framework of the JI project, will lead to better coal production and heat generation efficiency and, as a result, lower energy resource consumption in the course of coal mining, which, in turn, will reduce GHG emissions into the atmosphere.

The technology of CMM recovery by its combustion in boiler equipment, will substitute for the previous mine gas drainage technology, which provided for withdrawal of CG (a greenhouse gas with Global Warming



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Potential of 21 tCO₂/tCH₄) directly to the atmosphere. Thermal energy generated as a result of combustion of coal mine methane (CMM), the main CG component, will substitute heat from combustion of coal which is currently the primary energy carrier at SE “CC “Krasnolimanska”. By substituting coal with more environment-friendly fuel, namely CMM, GHG emissions to the atmosphere are reduced.

The project also provides for waste heap No.2 extinction activities by insulation of hot spots and barring oxygen to the burning rock. As a result, burning stops and the possibility of recurrent ignition is minimized. Implementation of the effective waste heap monitoring program providing for monthly waste heap monitoring, as well as urgent extinction activities in the case of emergency (control spots temperature exceeding the permissible level). According to conservative principles, GHG emissions generated in the course of waste heap burning, will be included into emission reduction calculations in the case of recurrent ignition during the project implementation. Pursuant to the conservative principle, the baseline is set and GHG emissions are calculated using waste heap parameters as of the start of the project, while the volume of waste stacked in the waste heap during the project implementation is not used in calculation. Meantime, project activities embrace the whole waste heap, including the waste stacked in the waste heap after the project implementation started, as well as waste heap No.3, created in 2009.

The identified areas of concern as to the project implementation, project participants responses and Bureau Veritas Certification’s conclusions are described in Appendix A to this report (refer to CAR 03, CL 01).

3.4 Compliance of the monitoring plan with the monitoring methodology (94-98)

The monitoring occurred in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website.

For calculating the emission reductions, key factors influencing the baseline emissions and the activity level of the project and the emissions as well as risks associated with the project were taken into account, as appropriate.

Data sources used for calculating emission reductions are clearly identified, reliable and transparent.

Emission factors, including default emission factors, are selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice.



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The calculation of emission reductions is based on conservative assumptions and the most plausible scenarios in a transparent manner.

The identified areas of concern as to the compliance of the monitoring plan with the monitoring methodology, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CAR 04).

3.5 Revision of monitoring plan (99-100)

Not applicable

3.6 Data management (101)

The data and their sources, provided in monitoring report, are clearly identified, reliable and transparent.

The implementation of data collection procedures is in accordance with the monitoring plan, including the quality control and quality assurance procedures. These procedures are mentioned in the section "References" of this report.

The function of the monitoring equipment, including its calibration status, is in order.

The evidence and records used for the monitoring are maintained in a traceable manner.

The data collection and management system for the project is in accordance with the monitoring plan.

The identified areas of concern as to the data management, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CARs 05 - 08).

3.7 Verification regarding programmes of activities (102-110)

Not applicable

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the initial and 1st periodic verification of the "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" Project in Ukraine, which applies JI specific approach. The verification was performed on the basis of UNFCCC criteria and host country criteria and also on the criteria given to provide for consistent project operations, monitoring and reporting.

The verification consisted of the following three phases: i) desk review of the monitoring report against the project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii)



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resolution of outstanding issues and the issuance of the final verification report and opinion.

The management of «CEP CARBON EMISSIONS PARTNERS S.A.» is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project on the basis set out within the project Monitoring Plan indicated in the final PDD version. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of GHG emission reductions from the project, is the responsibility of the management of the project.

Bureau Veritas Certification verified the Project Monitoring Report version 2.0 for the reporting period as indicated below. Bureau Veritas Certification confirms that the project is implemented as planned and described in approved project design documents. Installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions.

Emission reductions achieved by the project for the period from 01/01/2008 to 31/12/2011 differ significantly from the amount predicted for the same period in the determined PDD. Emission reductions predicted in the determined PDD version 2.0 and actual emission reductions stated in the MR version 2.0 are provided in Table 2.0 of this report.

Table 2 Emission reductions predicted in the determined PDD version 2.0 and actual emission reductions stated in the MR version 2.0

Values	Data in the PDD, tCO ₂ e	Data in monitoring period, tCO ₂ e
Total Emission reductions in monitoring period	1 044 639	1 259 435

At the time of PDD development available data on the quantitative characteristics of the waste heaps of 2003 were taken to calculate the amount of GHG emission reductions. At the stage of monitoring the actual data on the characteristics of the waste heap of 2006 were used in calculations. This explains the difference between the amount of GHG emission reductions specified in the registered PDD (version 2.0) and actually reached values of GHG emission reductions provided in this monitoring report.

Conservative approach on volume of waste heaps used in the PDD is used in this monitoring report

Because in calculation of GHG emission reductions after 2006 data on the quantitative characteristics of the waste heap of 2006 were used, although there was a shipment of rock after 2006, because waste heaps are active .



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Bureau Veritas Certification can confirm that the GHG emission reduction is accurately calculated and is free of material errors, omissions, or misstatements. Our opinion relates to the project's GHG emissions and resulting GHG emissions reductions reported and related to the approved project baseline and monitoring, and its associated documents. Based on the information we have seen and evaluated, we confirm, with a reasonable level of assurance, the following statement:

Reporting period: From 01/01/2008 to 31/12/2011

For the period from 01/01/2008 to 31/12/2008

Baseline emissions	: 356 865	tonnes of CO2 equivalent.
Project emissions	: 24 158	tonnes of CO2 equivalent.
Emission Reductions	: 332 707	tonnes of CO2 equivalent.

For the period from 01/01/2009 to 31/12/2009

Baseline emissions	: 332 995	tonnes of CO2 equivalent.
Project emissions	: 17 416	tonnes of CO2 equivalent.
Emission Reductions	: 315 579	tonnes of CO2 equivalent.

For the period from 01/01/2010 to 31/12/2010

Baseline emissions	: 332 012	tonnes of CO2 equivalent.
Project emissions	: 17 838	tonnes of CO2 equivalent.
Emission Reductions	: 314 174	tonnes of CO2 equivalent.

For the period from 01/01/2011 to 31/12/2011

Baseline emissions	: 339 684	tonnes of CO2 equivalent.
Project emissions	: 42 709	tonnes of CO2 equivalent.
Emission Reductions	: 296 975	tonnes of CO2 equivalent.

Total for the monitoring period

Baseline emissions	: 1 361 556	tonnes of CO2 equivalent.
Project emissions	: 102 121	tonnes of CO2 equivalent.
Emission Reductions	: 1 259 435	tonnes of CO2 equivalent.



5 REFERENCES

Category 1 Documents:

Documents provided by «CEP Carbon Emissions Partners S.A.» that relate directly to the GHG components of the project.

- /1/ Project Design Document "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" version 02 dated 17/08/2012
- /2/ Monitoring report for JI project "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" version 1.0 dated 27/09/2012
- /3/ Monitoring report for JI project "Implementation of the energy efficiency measures and reduction of greenhouse gas emissions into the atmosphere at State Enterprise "Coal Company "Krasnolimanska" version 2.0 dated 05/10/2012
- /4/ ERUs calculation excel file «Супровідний_документ_1.xls»
- /5/ Letter of Approval №2894/23/7 dated 04/10/2012 issued by State Agency of ecological investments of Ukraine
- /6/ Letter of Approval #J294-0485 issued by the Designated Focal Point of Switzerland on 24/08/2012

Category 2 Documents:

Background documents related to the design and/or methodologies employed in the design or other reference documents.

- /1/ Statement on control checking of ordinary coal mining in June 2012
- /2/ Statement on control checking of ordinary coal mining in April 2012
- /3/ Statement on control checking of ordinary coal mining in March 2012
- /4/ Statement on control checking of ordinary coal mining in February 2012
- /5/ Statement on control checking of ordinary coal mining in January 2012
- /6/ Statement on control checking of ordinary coal mining in December 2012
- /7/ Statement on control checking of ordinary coal mining in November 2012
- /8/ Statement on control checking of ordinary coal mining in October 2012
- /9/ Statement on control checking of ordinary coal mining in September 2012
- /10/ Passport of the site of waste disposal №19.02 dated 05.05.2000
- /11/ Report on environmental protection for 2011
- /12/ Report on environmental protection for 2010



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- /13/ Report on environmental protection for 2009
- /14/ Report on environmental protection for 2008
- /15/ Report on environmental protection for 2005
- /16/ Annual statistic report (form 11-MTP) for 2007
- /17/ Annual statistic report (form 11-MTP) for 2011
- /18/ Annual statistic report (form 11-MTP) for 2010
- /19/ Annual statistic report (form 11-MTP) for 2009
- /20/ Annual statistic report (form 11-MTP) for 2008

- /21/ Annual statistic report (form 11-MTP) for 2006
- /22/ Annual statistic report (form 11-MTP) for 2005
- /23/ Annual statistic report (form 11-MTP) for 2004
- /24/ Report on production of industrial products for 2011
- /25/ Passport of gas sensor АГ 0012 reg.№940
- /26/ Passport of gas sensor АГ 0012 reg.№880
- /27/ Vacuum water-packed pump ВИН2-150М reg.№23010/1.
Logbook
- /28/ Quality certificate №01280 on vacuum water-packed pump ВИН2-150М.
- /29/ Vacuum facility of water-packed pump ВИН2-150 reg.№081.
Logbook.
- /30/ Vacuum facility of water-packed pump ВИН2-150 reg.№239.
Logbook.
- /31/ Request on changes in form 1П-НПП for 2004
- /32/ Terminate report on production of industrial products.
December 2005
- /33/ Report on production of industrial products for 2007
- /34/ Report on production of industrial products for 2006
- /35/ Report on production of industrial products for 2008
- /36/ Report on production of industrial products for 2009
- /37/ Report on production of industrial products for 2010
- /38/ Passport. Ventilator ВЦД 31.5М reg.№030203
- /39/ Passport. Hoisting engine reg.№2096.
- /40/ Passport. Hoisting engine reg.№26459.
- /41/ Information on coal mining dated 20.06.2012
- /42/ Information on coal mining dated 17.06.2012
- /43/ Information on coal mining dated 15.06.2012
- /44/ Permission on the beginning of object exploitation №2244.06.30-29.52.1
- /45/ Permission on the beginning of object exploitation №2335.05.30-29.52.1
- /46/ Permission on continuation of conduction of operations of an increased danger №0715.07.14-45.21.1
- /47/ Conclusion of experts in accordance with the results of technical diagnostics №45807-ДК-06
- /48/ Passport of waste heaps №1, 2
- /49/ Passport of waste heap №3
- /50/ Passport of waste heap №4
- /51/ Electronic logbook of waste heaps №2 conditions monitoring for



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- 2009
- /52/ Electronic logbook of waste heaps №2 conditions monitoring for 2010
 - /53/ Electronic logbook of waste heaps №2 conditions monitoring for 2011
 - /54/ Electronic logbook of waste heaps №2 conditions monitoring for 2012
 - /55/ Electronic logbook of waste heaps №2 conditions monitoring for 2008
 - /56/ Logbook of boiler indicators accounting №7 2011-2012

Persons interviewed:

List persons interviewed during the verification or persons that contributed with other information that are not included in the documents listed above.

- /1/ Slipenko Oleg - mechanic area "Maintenance work on safety" degassing "SE "Coal Company "Krasnolimanska"
- /2/ Kondratyev Alexander - Chief Energy "SE "Coal Company "Krasnolimanska"
- /3/ Letyak Valentin - Deputy Chief Engineer "SE "Coal Company "Krasnolimanska"
- /4/ Prokhorov Oksana - Senior Engineer Environmental "SE "Coal Company "Krasnolimanska"



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APPENDIX A: VERIFICATION PROTOCOL
VERIFICATION PROTOCOL
Check list for verification, according to the JOINT IMPLEMENTATION DETERMINATION AND VERIFICATION MANUAL (Version 01)

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
Project approvals by Parties involved				
90	Has the DFPs of at least one Party involved, other than the host Party, issued a written project approval when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines, at the latest?	<p><u>Corrective Action Request (CAR) 01.</u> Please provide the Letter of Approval issued by the DFPs and specify its numbers and dates in the MR.</p> <p><u>Corrective Action Request (CAR) 02</u> Please specify ITL of the project in the MR.</p>	OK	OK
91	Are all the written project approvals by Parties involved unconditional?	See CAR 01 above	OK	OK
Project implementation				
92	Has the project been implemented in accordance with the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	<p>Project is implemented in accordance with the PDD, determination of which is deemed to be final</p> <p><u>Clarification Request (CL) 01</u> Please clarify, were the measurements of waste heap temperature conducted during the whole monitoring period or were there any conditions interrupting the conduction of survey?</p>	OK	OK
93	What is the status of operation of the project during the monitoring period?	<p><u>Corrective Action Request (CAR) 03</u> Please correct the length of the monitoring period</p>	OK	OK
Compliance with monitoring plan				
94	Did the monitoring occur in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	Yes, the monitoring occurs in accordance with the monitoring plan included in the PDD.	OK	OK
95 (a)	For calculating the emission reductions or enhancements of net removals, were key	Yes, all relevant key factors were taken into account, as appropriate.	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	factors, e.g. those listed in 23 (b) (i)-(vii) above, influencing the baseline emissions or net removals and the activity level of the project and the emissions or removals as well as risks associated with the project taken into account, as appropriate?			
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	Data sources used for calculating emission reductions or enhancements of net removals are clearly identified, reliable and transparent	OK	OK
95 (c)	Are emission factors, including default emission factors, if used for calculating the emission reductions or enhancements of net removals, selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice?	Corrective Action Request (CAR) 04 For parameter $NCV_{p,coal}^y$ please use the latest version of National Inventory Report for the period 1990-2010 and check the relevant reference.	OK	OK
95 (d)	Is the calculation of emission reductions or enhancements of net removals based on conservative assumptions and the most plausible scenarios in a transparent manner?	Yes, the calculation of emission reductions based on conservative assumptions and the most plausible scenarios in a transparent manner	OK	OK
Applicable to JI SSC projects only				
96	Is the relevant threshold to be classified as JI SSC project not exceeded during the monitoring period on an annual average basis? If the threshold is exceeded, is the maximum emission reduction level estimated in the PDD for the JI SSC project or the bundle for the monitoring period determined?	N/A	OK	OK
Applicable to bundled JI SSC projects only				
97 (a)	Has the composition of the bundle not changed from that is stated in F-JI-SSCBUNDLE?	N/A	OK	OK
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	project participants submitted a common monitoring report?			
98	If the monitoring is based on a monitoring plan that provides for overlapping monitoring periods, are the monitoring periods per component of the project clearly specified in the monitoring report? Do the monitoring periods not overlap with those for which verifications were already deemed final in the past?	N/A	OK	OK
Revision of monitoring plan				
Applicable only if monitoring plan is revised by project participant				
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	N/A	OK	OK
99 (b)	Does the proposed revision improve the accuracy and/or applicability of information collected compared to the original monitoring plan without changing conformity with the relevant rules and regulations for the establishment of monitoring plans?	N/A	OK	OK
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	Yes, the implementation of data collection procedures is in accordance with the monitoring plan, including the quality control and quality assurance procedures.	OK	OK
101 (b)	Is the function of the monitoring equipment, including its calibration status, in order?	Corrective Action Request (CAR) 05 Please provide passport and calibration certificate that is the evidence of measuring accuracy in monitoring period for electric power meters. Corrective Action Request (CAR) 06	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		<p>Please specify the calibration interval for electric power meters.</p> <p>Corrective Action Request (CAR) 07 Please provide the documental evidences of personnel training for every year of the monitoring period.</p> <p>Corrective Action Request (CAR) 08 Please check the numeration of all tables in the Monitoring Report</p>		
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	The evidences and records used for the monitoring maintained are in a traceable manner	OK	OK
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	The data collection and management system for the project is in accordance with the monitoring plan	OK	OK
Verification regarding programmes of activities (additional elements for assessment)				
102	Is any JPA that has not been added to the JI PoA not verified?	N/A	OK	OK
103	Is the verification based on the monitoring reports of all JPAs to be verified?	N/A	OK	OK
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	N/A	OK	OK
104	Does the monitoring period not overlap with previous monitoring periods?	N/A	OK	OK
105	If the AIE learns of an erroneously included JPA, has the AIE informed the JISC of its findings in writing?	N/A		
Applicable to sample-based approach only				
106	Does the sampling plan prepared by the AIE: (a) Describe its sample selection, taking into	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	account that: (i) For each verification that uses a sample-based approach, the sample selection shall be sufficiently representative of the JPAs in the JI PoA such extrapolation to all JPAs identified for that verification is reasonable, taking into account differences among the characteristics of JPAs, such as: <ul style="list-style-type: none"> - The types of JPAs; - The complexity of the applicable technologies and/or measures used; - The geographical location of each JPA; - The amounts of expected emission reductions of the JPAs being verified; - The number of JPAs for which emission reductions are being verified; - The length of monitoring periods of the JPAs being verified; and - The samples selected for prior verifications, if any? 			
107	Is the sampling plan ready for publication through the secretariat along with the verification report and supporting documentation?	N/A	OK	OK
108	Has the AIE made site inspections of at least the square root of the number of total JPAs, rounded to the upper whole number? If the AIE makes no site inspections or fewer site inspections than the square root of the number of total JPAs, rounded to the upper whole number, then does the AIE provide a reasonable explanation and justification?	N/A	OK	OK
109	Is the sampling plan available for submission to	N/A	OK	OK



VERIFICATION REPORT

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	the secretariat for the JISC ex ante assessment? (Optional)			
110	If the AIE learns of a fraudulently included JPA, a fraudulently monitored JPA or an inflated number of emission reductions claimed in a JI PoA, has the AIE informed the JISC of the fraud in writing?	N/A	OK	OK

**Table 2 Resolution of Corrective Action and Clarification Requests**

Draft report clarification and corrective action requests by verification team	Ref. to checklist question in table 1	Summary of project participant response	Verification team conclusion
<u>Corrective Action Request (CAR) 01.</u> Please provide the Letter of Approval issued by the DFPs and specify its numbers and dates in the MR.	90	Letters of Approval issued by the DFP were provided.	Issue is closed
<u>Corrective Action Request (CAR) 02</u> Please specify ITL of the project in the MR.	90	Corresponding information was added to the MR. See MR version 2.0	Issue is closed
<u>Corrective Action Request (CAR) 03</u> Please correct the length of the monitoring period	93	Length of crediting period was corrected. See MR version 2.0	Issue is closed
<u>Corrective Action Request (CAR) 04</u> For parameter $NCV_{p,coal}^y$ please use the latest version of National Inventory Report for the period 1990-2010 and check the relevant reference.	95 (c)	Corrections were made in the text of the MR. Reference for the National Inventory report for 1990-2010 was updated. See MR version 2.0	Issue is closed
<u>Corrective Action Request (CAR) 05</u> Please provide passport and calibration certificate that is the evidence of measuring accuracy in monitoring period for electric power meters.	101 (b)	Passport was submitted to the verification team. See supporting file CAR05-pasport.pdf	Issue is closed
<u>Corrective Action Request (CAR) 06</u> Please specify the calibration interval for electric power meters.	101 (b)	Calibration interval for electric power meters is provided. See MR version 2.0	Issue is closed



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<p><u>Corrective Action Request (CAR) 07</u> Please provide the documental evidences of personnel training for every year of the monitoring period.</p>	101 (b)	Documental evidence of personnel training in accordance with the approved schedule was provided to the verification team while site visit.	Issue is closed
<p><u>Corrective Action Request (CAR) 08</u> Please check the numeration of all tables in the Monitoring Report</p>	101 (b)	Corrected. See MR version 2.0	Issue is closed
<p><u>Clarification Request (CL) 01</u> Please clarify, were the measurements of waste heap temperature conducted during the whole monitoring period or were there any conditions interrupting the conduction of survey?</p>	92	Temperature measuring of waste heap were conducted i accordance with the internal instruction. See the attached supporting document CL01-Inst_01.pdf	Issue is closed