



BUREAU  
VERITAS

# VERIFICATION REPORT

## GLOBAL CARBON B.V.

### VERIFICATION OF THE

# WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE

(For the period 01/01/2010 – 28/02/2011)

REPORT No. UKRAINE-VER/0267/2011

REVISION No. 02

BUREAU VERITAS CERTIFICATION




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**VERIFICATION REPORT "WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE"**


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Date of first issue: 24/05/2011	Organizational unit: Bureau Veritas Certification Holding SAS
Client: Global Carbon B.V.	Client ref.: Lennard de Klerk

**Summary:**

Bureau Veritas Certification has made the 2<sup>nd</sup> periodic verification for the period from 01 January 2010 to 28 February 2011 of the "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere", JI Registration Reference Number 0214, project of Global Carbon B.V. located in the town of Snizhne, 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 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 PDD. 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 108714 tons of CO<sub>2</sub>eq for the monitoring period from 01/01/2010 to 28/02/2011.

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/0267/2011	Subject Group: JI	
Project title: Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere		
Work carried out by: Team Leader, Lead Verifier: Igor Kachan Team Member, Technical Specialist: Igor Antypko		
Work reviewed by: Ivan Sokolov - Internal Technical Reviewer		
Work approved by: Flavio Gomes – Operational Manager		
Date of this revision: 30/05/2011	Rev. No.: 02	Number of pages: 40

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## Abbreviations

AIE	Accredited Independent Entity
BVC	Bureau Veritas Certification Holding SAS
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CH <sub>4</sub>	Methane
CL	Clarification Request
CO <sub>2</sub>	Carbon Dioxide
DVM	Determination and Verification Manual
ERU	Emission Reduction Unit
FAR	Forward Action Request
GHG	Green House Gas(es)
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
JI	Joint Implementation
JISC	Joint Implementation Supervisory Committee
MP	Monitoring Plan
MR	Monitoring Report
DFP	Designated Focal Point
PDD	Project Design Document
UNFCCC	United Nations Framework Convention for Climate Change



## 1 INTRODUCTION

Global Carbon B.V. has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere" (hereafter called "the project") located in the town of Snizhne, 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.

The verification covers the period from 1<sup>st</sup> January 2010 to 28<sup>th</sup> February 2011.

### 1.1 Objective

Verification is the periodic independent review and ex post determination by the Accredited Independent Entity (AIE) 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

Verification scope is defined as an independent and objective review and ex post determination by the Accredited Independent Entity of the monitored reductions in GHG emissions. The verification is based on the submitted monitoring report, the determined project design document including the project's baseline study, revised monitoring plan 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:

Igor Kachan

Bureau Veritas Certification Team Leader, Climate Change Lead Verifier

Igor Antypko

Bureau Veritas Certification Team Member, Technical Specialist

This verification report was reviewed by:

Ivan Sokolov

Bureau Veritas Certification, Internal Technical Reviewer

## **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 Global Carbon B.V. and additional background documents related to the project design, baseline, and monitoring plan, i.e. country Law, Project Design Document (PDD), 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 version 1.0 of 29 March 2011, version 2.0 of 12 May 2011, version 3.0 of 16 May 2011 and project as described in the determined PDD.

## 2.2 Follow-up Interviews

On 29/04/2011 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 Global Carbon B.V. and "Anthracite" LLC were interviewed (see References). The main topics of the interviews are summarized in Table 1.

**Table 1 Interview topics**

Interviewed organization	Interview topics
"Anthracite" LLC	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
Consultant: Global Carbon B.V.	Baseline methodology Monitoring plan Revision to the monitoring plan Monitoring report Deviations from PDD

## 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 AIE to assess compliance with the monitoring plan;
- (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.

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 documented in the Verification Protocol in Appendix A. The verification of the Project resulted in 12 Corrective Action Requests and 02 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 open issues from the previous verification conducted for the period 01/01/2008 – 31/12/2009 by Bureau Veritas Certification were identified by the verification team.

#### **3.2 Project approval by Parties involved (90-91)**

The project was approved by the host Party, Ukraine, which is confirmed by the Letter of Approval #882/23/7 issued by National Environmental Investment Agency of Ukraine on 24/06/2010. The written project approval by the Netherlands, the other Party involved, has been issued by the DFP of that Party when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines, at





the latest (Letter of Approval issued by NL Agency, Ministry of Economic Affairs of Netherlands #2010J110 dated 22/04/2010). The abovementioned written approvals are unconditional.

### **3.3 Project implementation (92-93)**

The project is aimed at coal extraction from the mine waste heaps near the town of Snizhne, Donetsk Region, Ukraine. This will prevent greenhouse gas emissions into the atmosphere during combustion of the heaps and will contribute an additional amount of coal, without the need for mining. The project envisages installation of coal extraction units and grading of the extracted coal. Extracted coal is then sold for demands of heat and power production.

The project is implementing the technological scheme which consists of the following steps:

- The selected waste heaps are prepared for dismantlement. Access roads are prepared and access to the top is organized.
- The top of the waste heap is degraded layer-by-layer with the bulldozers. This job is done only during daylight hours and layers are not larger than 10 m thick counting from the top. Bulldozers slide the rock to the slope, from where it goes all the way down by gravity. Excavators can be used instead of the bulldozers to dismantle the waste heap. In this case the dismantling is done by arranging terraces not higher than 6-10m.
- The slopes of the waste heaps are fitted with chutes in order to transport the rock from the dismantling area to the bottom of the waste heap. Dismantling of the waste heaps results in the high volume of dust emission. Dust is settled by regular water sprinkling.
- The loading area is organized at the bottom of the waste heap. Here the rock is loaded by the excavators into the lorry trucks. Trucks take the rock to the coal extraction unit by existing public roads.
- The coal extraction unit is located close to one of the waste heaps. The rock is delivered here by trucks and is fed into the unit for the extraction process.
- The extraction process consists of several operations: separation of the coal containing rock into the classes by size and extraction of the "below 80 mm" class by the receiving bin grates; beneficiation of the "0-80 mm" class on a semi-steep (also known as steeply inclined) separator KNS-138 (1st stage of beneficiation); dehydration of the obtained concentrate on a separation screen with extraction of "0-1 mm" class, "1-13 mm" class and "13-80 mm" class; "13-80 mm" class concentrate is the end product and is transported to the storage facility; beneficiation of the "1-13 mm" class by a semi-steep separator KNS-60/75 (2nd stage beneficiation); dehydration of the obtained concentrate on a separation screen with extraction of "0-13 mm" class and transporting this concentrate to storage. Other classes of concentrate produced by first two stages of beneficiation undergo further beneficiation, are condensed and processed in cyclone separators,



separation screens and dehydrators and are returned to earlier stages of beneficiation. Water is purified and returned into the cycle.

- The processed rock is loaded into the trucks and transported to:

a) Existing waste heap of a nearby mine. This waste heap is under control of the operating mine and can receive extra rock. Storing the processed rock in this waste heap will not lead to possible fires as virtually all of the combustible matter has been extracted.

b) Abandoned clay open-pit extraction operation. Processed rock is transported to the pit and used to fill the open pit. Filling the open pit will require preparation of temporary roads. The rock will be stored here in compressed layers of 1 m thick. After the open pit is filled the upper layer is tilled and grass is planted.

The first stage of the project implementation which is the construction of "Snizhnyans'ka-1" unit was completed in 2004. The initial number of waste heaps will be processed by this unit. The second stage, which includes construction of "Snizhnyans'ka-2" unit and the processing of another wave of waste heaps, was scheduled to commence operation in 2010.

The implementation of the waste heap processing complex at "Snizhnyans'ka-2" site has been delayed compared to the PDD estimated due to the prolonged process of construction designing. During the first stage of construction site preparation works have been performed and classification screens for sorting of raw materials were installed. The construction start of the second stage of "Snizhnyans'ka-2" is planned in summer 2011. The start-up of the second stage of "Snizhnyans'ka-2" is planned in winter 2011.

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

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

[http://ji.unfccc.int/JI\\_Projects/DB/VOZK3HERSNQGFLCY0YZ3AX5W676M5R/Determination/Bureau%20Veritas%20Certification1277814730.41/view/DeterminationReport.html](http://ji.unfccc.int/JI_Projects/DB/VOZK3HERSNQGFLCY0YZ3AX5W676M5R/Determination/Bureau%20Veritas%20Certification1277814730.41/view/DeterminationReport.html).

For calculating the emission reductions, all 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.

For the monitoring period the following parameters were collected and registered:

1. Additional electricity consumed as a result of the implementation of the project activity. This parameter is metered with specialized electricity meters. The meters are situated next to the current transformers. These meters register all electric energy consumed by the project activity as



they are located on the only electrical input available on site. Readings are used in the commercial dealings with the energy supply company. Monthly bills for electricity are available. Regular cross-checks with the energy supply company are performed. The monthly and annual reports are based on the monthly bills data.

2. Amount of diesel fuel that has been used for the project activity in the relevant period. For the metering of this parameter the commercial data of the company are used. Receipts and acceptance certificates are used in order to confirm the amount of fuel consumed. All fuel consumption is taken into account and is attributed to the project activity. Regular cross-checks with the suppliers are performed. The monthly and annual reports are based on these data.

3. Amount of coal that has been extracted from the waste heaps and combusted for energy use in the project activity is equal to the amount of coal that has been mined in the baseline scenario and combusted for energy use. For the metering of this parameter the commercial data of the company are used. Railroad bill of lading, receipts and acceptance certificates from the customers are used in order to confirm the amount of coal restored. Only shipped coal is taken into account and is attributed to the project activity. Weighting of the coal is done on the railroad station by the special scales or by the automobile scales depending on the shipment method. Regular cross-checks with the customers are performed. The monthly and annual reports are based on these shipment data.

Data sources used for calculating emission reductions such as appropriately calibrated measuring equipment passports, the study of standardized emission factors for the Ukrainian electricity grid, sectoral standards, IPCC guidelines, laboratory analysis, 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.

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

### **3.5 Revision of monitoring plan (99-100)**

Not applicable

### **3.6 Data management (101)**

All necessary records on project monitoring parameters are appropriately maintained, stored and archived. The record management system includes paper as well as electronic records maintained by the departments.



Monthly and yearly summary reports are prepared for every parameter. The implementation of data collection procedures is in accordance with PDD, including the quality control and quality assurance procedures.

The general project management is implemented by the Director of the Limited Liability Company "Anthracite" through the supervision and coordination of the activities of his subordinates, such as the Chief Energy Officer; Production Manager and Chief Engineer. On-site day-to-day management is implemented by the Production Manager and Chief Engineer. Chief Energy Officer is responsible for maintaining the energy equipment, electrical meters and transformers. A specialised technician teams are responsible for preventive measures and maintenance of all technological equipment. The raw reporting documents are collected and compiled on-site. Data are entered into the computer system, and raw documents are transferred to the company archive.

Main responsibilities are divided as follows:

Chief Engineer is responsible for acquiring data on coal shipments, raw documents and reports on coal shipped. He transfers raw documents on coal into the archive and prepares monthly reports on restored coal;

Chief Energy Officer is responsible for acquiring data on electricity consumption, check-up of the electricity meters and cross-checks with energy supply companies. He transfers raw documents on electricity into the archive and prepares monthly reports on electricity consumption;

Production Manager is responsible for acquiring data on fuel consumption, raw documents and reports on fuel consumed. He transfers raw documents on fuel into the archive and prepares monthly reports on fuel consumption.

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

The function of the monitoring equipment, including its calibration status, is in order. The measurement equipment used for project monitoring is serviced, calibrated and maintained in accordance with the original manufacturer's instructions and industry standards; relevant records are kept as required.

The evidence and records used for the monitoring are maintained in a traceable manner. All necessary information for monitoring of GHGs emission reductions are stored in paper or/and electronic formats.

The Monitoring Report provides sufficient information on the assigning roles, responsibilities and authorities for implementation and maintenance of monitoring procedures including control of data. The verification team confirms effectiveness of the existing management and operational systems and found them eligible for reliable project monitoring.



### **3.7 Verification regarding programmes of activities (102-110)**

Not applicable.

## **4 VERIFICATION OPINION**

Bureau Veritas Certification has performed the 2<sup>nd</sup> periodic verification for the period from 01 January 2010 to 28 February 2011 of the "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere" project in Ukraine. 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 monitoring reports, 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 management of "Anthracite" LLC 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 and Verification Plan indicated in the final PDD version 2.7. The development and maintenance of records and reporting procedures are 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 3.0, for the reporting period from 01/01/2010 to 28/02/2011 as indicated below. Bureau Veritas Certification confirms that the project is implemented as planned and described in approved PDD. 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.

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 01/01/2010 to 31/12/2010

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

Baseline emissions	: 200197	t CO <sub>2</sub> equivalents;
Project emissions	: 105927	t CO <sub>2</sub> equivalents;
Emission Reductions	: 94270	t CO <sub>2</sub> equivalents.

For the period from 01/01/2011 to 28/02/2011

Baseline emissions	: 30788	t CO <sub>2</sub> equivalents;
Project emissions	: 16344	t CO <sub>2</sub> equivalents;
Emission Reductions	: 14444	t CO <sub>2</sub> equivalents.

Total for the period from 01/01/2010 to 28/02/2011:

Baseline emissions	: 230985	t CO <sub>2</sub> equivalents;
Project emissions	: 122271	t CO <sub>2</sub> equivalents;
Emission Reductions	: 108714	t CO <sub>2</sub> equivalents.

## 5 REFERENCES

### Category 1 Documents:

Documents provided by the project participants that relate directly to the GHG components of the project.

- /1/ Project Design Document «Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere», version 2.7 dated 08/07/2010
- /2/ Monitoring Report "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere", version 1.0 dated 29/03/2011
- /3/ Monitoring Report "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere", version 2.0 dated 12/05/2011
- /4/ Monitoring Report "Waste heaps dismantling with the aim of decreasing the greenhouse gases emissions into the atmosphere", version 3.0 dated 16/05/2011
- /5/ Calculation of Emission Reductions – excel file  
 "\_MR002\_ER\_Anthracite\_ver1.0\_calculation"
- /6/ Calculation of Emission Reductions – excel file  
 "20110512\_MR002\_ER\_Anthracite\_ver2.0"
- /7/ Calculation of Emission Reductions – excel file  
 "20110516\_MR002\_ER\_Anthracite\_ver3.0"
- /8/ Letter of Approval #882/23/7 issued by National Environmental Investment Agency of Ukraine dated 24/06/2010.
- /9/ Letter of Approval #2010JI10 issued by NL Agency, Ministry of Economic Affairs of Netherlands dated 22/04/2010

### Category 2 Documents:

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

- /1/ Positive conclusion №33 of complex state examination on the project "Dismantling of waste heaps of the former mines #32 "Pid`iomna", "Pivnichna-1" and "Pivnichna-2" in the town of Snizhne, LC №024761 dated 28.10.2010
- /2/ Conclusion №15/1-03.09.10-0458 dated 18.10.10 of state ecological expertise on the project "Dismantling of waste heaps of the former mines #32 "Pid`iomna", "Pivnichna-1" and "Pivnichna-2", dated 29.10.2010
- /3/ Scientific and ecological expertise of working project "Dismantling of waste heaps of the former mines #32 "Pid`iomna", "Pivnichna-1" and "Pivnichna-2"
- /4/ Working project "Dismantling of waste heaps of the former mines #32 "Pid`iomna", "Pivnichna-1" and "Pivnichna-2". Assessment of effect on the environment. Issue 2, part 1



- /5/ Shipping invoice 02AAT №021015 dated 01.11.2010
- /6/ Quality certificate №61 dated 01.11.2010
- /7/ Departure statement for auger-type screener ГШ-500
- /8/ Amortization statement for materials, dated 31.03.2011
- /9/ Amortization statement for materials, dated 31.01.2011
- /10/ Amortization statement for materials, dated 31.12.2010
- /11/ Amortization statement for materials, dated 30.11.2010
- /12/ Amortization statement for materials, dated 31.10.2010
- /13/ Acceptance and transfer certificate, dated 03.12.2010
- /14/ Acceptance and transfer certificate for goods dated 29.06.2009 according to the contract №11, dated 25.06.2009
- /15/ Information on the price of performed building activities (expenses) for November 2010
- /16/ Acceptance statement on performance of building activities for November 2010
- /17/ Note on electric power consumption for March 2010
- /18/ Note on electric power consumption for April 2010
- /19/ Note on electric power consumption for May 2010
- /20/ Note on electric power consumption for June 2010
- /21/ Note on electric power consumption for July 2010
- /22/ Note on electric power consumption for August 2010
- /23/ Note on electric power consumption for September 2010
- /24/ Note on electric power consumption for October 2010
- /25/ Note on electric power consumption for November 2010
- /26/ Note on electric power consumption for December 2010
- /27/ Note on electric power consumption for January 2011
- /28/ Note on electric power consumption for February 2011
- /29/ Report on electric power consumption on LLC "Anthracite" for December 2010
- /30/ Report on electric power consumption on LLC "Anthracite" for May 2010
- /31/ Report on electric power consumption on LLC "Anthracite" for June 2010
- /32/ Report on electric power consumption on LLC "Anthracite" for July 2010





- /33/ Statements on electric power for 2010, 2011
- /34/ Acceptance and transfer statement №24455 dated 31.12.2010
- /35/ Acceptance and transfer statement №24455 dated 21.12.2010
- /36/ Acceptance and transfer statement №20670 dated 31.10.2010
- /37/ Acceptance and transfer statement №20672 dated 31.10.2010
- /38/ Acceptance and transfer statement №18749 dated 30.09.2010
- /39/ Acceptance and transfer statement №18748 dated 30.09.2010
- /40/ Acceptance and transfer statement №15104 dated 31.07.2010
- /41/ Acceptance and transfer statement №15107 dated 31.07.2010
- /42/ Note on diesel fuel consumption for January 2010
- /43/ Note on diesel fuel consumption for February 2010
- /44/ Note on diesel fuel consumption for March 2010
- /45/ Note on diesel fuel consumption for April 2010
- /46/ Note on diesel fuel consumption for May 2010
- /47/ Note on diesel fuel consumption for June 2010
- /48/ Note on diesel fuel consumption for July 2010
- /49/ Note on diesel fuel consumption for August 2010
- /50/ Note on diesel fuel consumption for September 2010
- /51/ Note on diesel fuel consumption for October 2010
- /52/ Note on diesel fuel consumption for November 2010
- /53/ Note on diesel fuel consumption for December 2010
- /54/ Note on diesel fuel consumption for January 2011
- /55/ Receipts notes for diesel fuel
- /56/ Register of receipts notes in February 2011
- /57/ Expenditure invoice №PH-0068 dated 13.02.2011
- /58/ Expenditure invoice №PH-0069 dated 8.02.2011
- /59/ Certificate of conformity UA1.039.0130033 for improved quality diesel fuel E-II dated 19.10.2010
- /60/ Expenditure invoice №PH-0058 dated 07.02.2010
- /61/ Receipts notes for diesel fuel for 2010
- /62/ Register of the sent documents related to diesel fuel for 2010



- /63/ Expenditure invoice №PH-0000061 dated 30.03.2010
- /64/ Expenditure invoice №PH-0000062 dated 31.03.2010
- /65/ Expenditure invoice №PH-0000039 dated 04.03.2010
- /66/ Contract №21/2 for provision of motor transport services dated 01.12.2009
- /67/ Special vehicles services 2010
- /68/ Register of documents on transport services for 2011
- /69/ Delivery and acceptance statement dated 01.03.2011
- /70/ Calculation on the transport services for February 2011. Automatic loader БВ-2733 ТП-0303
- /71/ Calculation on the transport services for February 2011. Bulldozer T-130
- /72/ Calculation on the transport services for February 2011. Tractor ЮМ3-4
- /73/ Statement on work performance, services provision according to the contract №203Б/11/01-1
- /74/ Calculation on the transport services for June 2011. Excavator EO 11001
- /75/ Calculation on the transport services for June 2011. Automatic loader БВ-2733 ТП-0303
- /76/ Calculation on the transport services for June 2011. Bulldozer T-130
- /77/ Calculation on the transport services for June 2011. Tractor ЮМ3-4
- /78/ Calculation on the transport services for June 2011. Tractor ЮМ3-6
- /79/ Calculation on the transport services for June 2011. Tractor T-170 and Bulldozer №Т9167 ДЦ
- /80/ Takeover certificate. Electric power meter HIK 2303 APT2T Reg. №0057199 dated 10.06.2010
- /81/ Passport ААХШ.411152.010.23ПС. Electric power meter HIK 2303 APT2T
- /82/ Current transformers Т-0,66; ТШ-0,66. Passport БА.4.728.035 ПС
- /83/ Certificate of measure device type approval №19833 dated 20.02.2005 for current transformers Т-0,66; ТШ-0,66.
- /84/ Certificate of conformity UA1.034.0076110.06 dated 02.06.2004. Current transformers Т-0,66; ТШ-0,66.
- /85/ Note on coal production for January 2010
- /86/ Note on coal production for February 2010
- /87/ Note on coal production for March 2010
- /88/ Note on coal production for April 2010



- /89/ Note on coal production for May 2010
- /90/ Note on coal production for June 2010
- /91/ Note on coal production for July 2010
- /92/ Note on coal production for August 2010
- /93/ Note on coal production for September 2010
- /94/ Note on coal production for October 2010
- /95/ Note on coal production for November 2010
- /96/ Note on coal production for December 2010
- /97/ Note on coal production for January 2011
- /98/ Note on coal production for February 2011
- /99/ Register of documents related to acceptance and transfer of coal production for 2010
- /100/ Acceptance and transfer statement on coal production №358, dated 31.12.2010, according to contract 11/09 dated 31.08.2010
- /101/ Statement on coal production weighing dated 31.12.2010
- /102/ Acceptance and transfer statement on coal production №362, dated 26.12.2010 according to contract 11/09 dated 31.08.2010
- /103/ Acceptance and transfer statement on coal production №363, dated 22.12.2010 according to contract 11/09 dated 31.08.2010
- /104/ Acceptance and transfer statement on coal production №345, dated 18.12.2010 according to contract 11/09 dated 31.08.2010
- /105/ Acceptance and transfer statement on coal production №338, dated 11.12.2010 according to contract 11/09 dated 31.08.2010
- /106/ Acceptance and transfer statement on coal production №331, dated 04.12.2010 according to contract 11/09 dated 31.08.2010
- /107/ Register of documents related to acceptance and transfer of coal production for November 2010
- /108/ Acceptance and transfer statement on coal production №327, dated 30.11.2010 according to contract 11/09 dated 31.08.2010
- /109/ Acceptance and transfer statement on coal production №322, dated 26.11.2010 according to contract 11/09 dated 31.08.2010
- /110/ Acceptance and transfer statement on coal production №319, dated 22.11.2010 according to contract 11/09 dated 31.08.2010
- /111/ Acceptance and transfer statement on coal production №314, dated 17.11.2010 according to contract 11/09 dated 31.08.2010
- /112/ Acceptance and transfer statement on coal production №307, dated 11.11.2010 according to contract 11/09 dated 31.08.2010
- /113/ Acceptance and transfer statement on coal production №302, dated 01.11.2010 according to contract 11/09 dated 31.08.2010
- /114/ Acceptance and transfer statement on coal production №298, dated 01.11.2010 according to contract 11/09 dated 31.08.2010



- /115/ Acceptance and transfer statement on coal production №294, dated 01.11.2010 according to contract 11/09 dated 31.08.2010
- /116/ Register of documents related to acceptance and transfer of coal production for December 2010
- /117/ Acceptance and transfer statement on coal production №274, dated 08.10.2010 according to contract 11/09 dated 31.08.2010
- /118/ Acceptance and transfer statement on coal production №279, dated 13.10.2010 according to contract 11/09 dated 31.08.2010
- /119/ Acceptance and transfer statement on coal production №284, dated 18.10.2010 according to contract 11/09 dated 31.08.2010
- /120/ Acceptance and transfer statement on coal production №288, dated 22.10.2010 according to contract 11/09 dated 31.08.2010
- /121/ Acceptance and transfer statement on coal production №292, dated 26.10.2010 according to contract 11/09 dated 31.08.2010
- /122/ Acceptance and transfer statement on coal production №296, dated 30.10.2010 according to contract 11/09 dated 31.08.2010
- /123/ Register of documents related to acceptance and transfer of coal for September 2010
- /124/ Acceptance and transfer statement on coal production №239, dated 02.09.2010 according to contract 11/09 dated 31.08.2010
- /125/ Acceptance and transfer statement on coal production №243, dated 07.09.2010 according to contract 11/09 dated 31.08.2010
- /126/ Acceptance and transfer statement on coal production №247, dated 11.09.2010 according to contract 11/09 dated 31.08.2010
- /127/ Acceptance and transfer statement on coal production №251, dated 11.09.2010 according to contract 11/09 dated 31.08.2010
- /128/ Acceptance and transfer statement on coal production №254, dated 18.09.2010 according to contract 11/09 dated 31.08.2010
- /129/ Acceptance and transfer statement on coal production №257, dated 21.09.2010 according to contract 11/09 dated 31.08.2010
- /130/ Acceptance and transfer statement on coal production №260, dated 24.09.2010 according to contract 11/09 dated 31.08.2010
- /131/ Acceptance and transfer statement on coal production №263, dated 27.09.2010 according to contract 11/09 dated 31.08.2010
- /132/ Register of documents related to acceptance and transfer of coal for August 2010
- /133/ Acceptance and transfer statement on coal production №210, dated 04.08.2010 according to contract 11 dated 30.07.2010
- /134/ Acceptance and transfer statement on coal production №214, dated 08.08.2010 according to contract 11 dated 30.07.2010
- /135/ Acceptance and transfer statement on coal production №219, dated 13.08.2010 according to contract 11 dated 30.07.2010
- /136/ Acceptance and transfer statement on coal production №222, dated 17.08.2010 according to contract 11 dated 30.07.2010
- /137/ Acceptance and transfer statement on coal production №226, dated 20.08.2010 according to contract 11 dated 30.07.2010



- /138/ Acceptance and transfer statement on coal production №229, dated 22.08.2010 according to contract 11 dated 30.07.2010
- /139/ Acceptance and transfer statement on coal production №232, dated 27.08.2010 according to contract 11 dated 30.07.2010
- /140/ Acceptance and transfer statement on coal production №235, dated 30.08.2010 according to contract 11 dated 30.07.2010
- /141/ Register of documents related to coal production for September 2010
- /142/ Acceptance and transfer statement on coal production №178, dated 03.07.2010 according to contract 7 dated 01.04.2010
- /143/ Register of documents related to coal production for February 2010
- /144/ Acceptance and transfer statement on coal production №30, dated 16.02.2010 according to contract 6/2 dated 10.02.2010
- /145/ Acceptance and transfer statement on coal production №34, dated 20.02.2010 according to contract 6/2 dated 10.02.2010
- /146/ Acceptance and transfer statement on coal production №42, dated 28.02.2010 according to contract 6/2 dated 10.02.2010
- /147/ Register of documents related to coal production for January 2010
- /148/ Acceptance and transfer statement on coal production №2, dated 03.01.2011 according to contract 11/09 dated 31.08.2010
- /149/ Acceptance and transfer statement on coal production №7, dated 08.01.2011 according to contract 11/09 dated 31.08.2010
- /150/ Acceptance and transfer statement on coal production №10, dated 11.01.2011 according to contract 11/09 dated 31.08.2010
- /151/ Acceptance and transfer statement on coal production №13, dated 14.01.2011 according to contract 11/09 dated 31.08.2010
- /152/ Acceptance and transfer statement on coal production №17, dated 18.01.2011 according to contract 11/09 dated 31.08.2010
- /153/ Acceptance and transfer statement on coal production №19, dated 20.01.2011 according to contract 11/09 dated 31.08.2010
- /154/ Note for results of analysis on production activities for 2010
- /155/ Note for results of analysis on production activities for 2010
- /156/ Protocol of scales technical review БА 40-12, dated 11.03.2009
- /157/ Operation manual БА 404437 HE. Truck tensometric scales БА-40-12
- /158/ Statement of introduction into operation of truck scales БА-40-12 Reg.№125, dated 18.07.2008
- /159/ Certificate of measurement devices conformity to the approved type №UA-MI/2-2183-2007, dated 02.03.2007
- /160/ Additional agreement dated 03.01.2011 according to the contact 14/2, dated 01.12.2009
- /161/ Contract №20 for the analysis of coal production quality dated 13.09.2006
- /162/ Additional agreement dated 03.01.2011 to the agreement №20 dated



- 13.09.2006
- /163/ Contract №14/2 dated 01.12.2009
  - /164/ Decommissioning statement dated 30.10.2010
  - /165/ Register of documents related to electric power for 2010
  - /166/ Protocol of scales technical review БАА 40-12 dated 11.03.2009
  - /167/ Logbook of labor protection introductory instructions registration, started 01.01.2005
  - /168/ Logbook of safety methods introductory instructions registration, started 1.01.2005, finished 2.08.2010
  - /169/ Logbook of safety methods introductory instructions registration, started 1.09.2010
  - /170/ Logbook of anthropogenic safety introductory instructions registration, started 28.04.2008
  - /171/ Logbook of working place instruction on concentration plant, started 15.12.2008
  - /172/ Logbook of examination protocols, started 12.10.2005
  - /173/ Logbook of activities accounting in accordance with assignments and orders, started 04.02.2008
  - /174/ Reports on water usage for 1-3 quarters of 2010
  - /175/ Report on results of fuel, heat and electric power usage for January - June 2010
  - /176/ Reports on atmospheric air protection for 1-3 quarters of 2010
  - /177/ Letter of explanation №179 dated 20.10.2010
  - /178/ Letter №07-3193 dated 23.05.2010 about state ecological expertise setting
  - /179/ Letter №234 dated 31.05.2010 about expertise of working project
  - /180/ Letter №280 dated 29.09.2010 about expertise of working project
  - /181/ Protocols №10-16 of examination committee meetings for the period 09.07 – 17.07.2010
  - /182/ Letter №234 dated 23.12.2010
  - /183/ Logbook of labor protection introductory instructions registration on mechanic section
  - /184/ Additional agreement dated 04.01.2011 according to contract 14/2 dated 01.12.2009

**Persons interviewed:**

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

- /1/ Dmytro Mediantsev – Director, Limited Liability Company "Anthracite"



- /2/ Andrii Savenko – Chief Specialist, Scientific Production Association "Mekhanik"
- /3/ Denis Prusakov – developer representative, Senior JI Consultant, Global Carbon BV
- /4/ Iurii Petruk - developer representative, Junior JI Consultant, Global Carbon BV

**APPENDIX A: 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
<b>Project approvals by Parties involved</b>				
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?	<b>CAR01</b> The information concerning project approval is missing in the MR. Please, add the appropriate data to the MR.	<b>CAR01</b>	OK
91	Are all the written project approvals by Parties involved unconditional?	Conclusion is pending a response to CAR01 above.	Pending	OK
<b>Project implementation</b>				
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?	<b>CAR02</b> The actual (stated in the MR) and estimated (stated in the PDD) amount of ERUs differs significantly. Please, add a comparison of the ERUs values to the MR and provide justification of the difference.	<b>CAR02</b>	OK
93	What is the status of operation of	<b>CAR03</b>	<b>CAR03</b>	OK





## VERIFICATION REPORT "WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE"

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	the project during the monitoring period?	<p>Please, specify the date of "Snizhnyans'ka-2" unit construction in the section A.6. of the MR in accordance with the data in confirmatory documentation.</p> <p><b>CAR04</b> The date of start-up of the "Snizhnyans'ka-2" unit indicated in the MR does not correspond with the implementation schedule stated in the determined PDD version 2.7 (page 7). Please, bring this into conformity.</p> <p><b>CAR05</b> The statement "There are no deviations from the PDD" in the section A.7. is obviously irrelevant as the implementation of the waste heap processing complex at "Snizhnyans'ka-2" site was delayed compared to the PDD estimates. Please, make corresponding corrections. Please, also clearly indicate in the MR (section A.8) what changes were occurred in the project monitoring in comparison with the previous monitoring period.</p> <p><b>CAR06</b> The information concerning EIA conducted</p>	<p><b>CAR04</b></p> <p><b>CAR05</b></p> <p><b>CAR06</b></p>	<p>OK</p> <p>OK</p> <p>OK</p>



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BUREAU  
VERITAS

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		for the "Snizhnyans'ka-2" unit is missing in the section B.2.6. of the MR. Please, make corresponding corrections.		
<b>Compliance with monitoring plan</b>				
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 occurred in accordance with the monitoring plan included in the determined PDD, available on the UNFCCC JI website <a href="http://ji.unfccc.int/JI_Projects/DB/VOZK3HERSNQGFLCY0YZ3AX5W676M5R/PublicPDD/MQHGWIQPQHUKCDPVQZPXVJ9SG39K05/view.html">http://ji.unfccc.int/JI_Projects/DB/VOZK3HERSNQGFLCY0YZ3AX5W676M5R/PublicPDD/MQHGWIQPQHUKCDPVQZPXVJ9SG39K05/view.html</a>	OK	OK
95 (a)	For calculating the emission reductions or enhancements of net removals, were key factors, 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?	<b>CL01</b> Please, clarify if the key monitoring parameters (electricity consumed, amount of coal that has been extracted etc.) associated with "Snizhnyans'ka-2" unit trial operation were taken into account and considered in the ERUs calculations.	<b>CL01</b>	OK
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals	All data sources used for calculating emission reductions are clearly identified, reliable and transparent.	OK	OK




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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	clearly identified, reliable and transparent?			
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?	<p><b>CAR07</b></p> <p>The reference to Annex 2 of the MR is irrelevant (see page 8 of the MR and supporting Excel file) for CO<sub>2</sub> emission factor for electricity consumed by the project. Clear and traceable references must be indicated.</p>	<b>CAR07</b>	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?	<p><b>CAR08</b></p> <p>The total of baseline emissions for the monitoring period (indicated on the page 17 of the MR) is not equal to the sum of the values for 2010 and 2011. The difference of baseline and project emissions for 2010 is not equal to ERUs amount for corresponding year. Please, correct.</p> <p><b>CAR09</b></p> <p>The amount of coal that has been extracted from the waste heaps and combusted for energy use in the project activity in 2011 (supporting Excel file)</p>	<p><b>CAR08</b></p> <p><b>CAR09</b></p>	<p>OK</p> <p>OK</p>




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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		does not correspond to the value in the summarizing report observed onsite. Please, use correct value for ERUs calculations.		
<b>Applicable to JI SSC projects only</b>				
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	N/A	N/A
<b>Applicable to bundled JI SSC projects only</b>				
97 (a)	Has the composition of the bundle not changed from that is stated in F-JI-SSCBUNDLE?	N/A	N/A	N/A
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the project participants submitted a common monitoring report?	N/A	N/A	N/A



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VERITAS

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
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	N/A	N/A
<b>Revision of monitoring plan</b>				
<b>Applicable only if monitoring plan is revised by project participant</b>				
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	N/A	N/A	N/A
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	N/A	N/A	N/A



## VERIFICATION REPORT "WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE"



DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	plans?			
<b>Data management</b>				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	The implementation of data collection procedures is in accordance with the monitoring plan included in the determined PDD. The verification team confirms effectiveness of existing management and operational systems and found them eligible for reliable project monitoring.	OK	OK
101 (b)	Is the function of the monitoring equipment, including its calibration status, is in order?	<p><b>CAR10</b> It is stated in the MR that the table providing information on the equipment used (section B.1.2.) is to include date of last calibration. However, this information is not provided in the table. Please, bring this into conformity.</p> <p><b>CAR11</b> It was observed during site visit that one new electricity meter ("Snizhnyans'ka-2" unit) has been put into operation within the monitoring period (12/2010). At the same time, information concerning this equipment was not provided in the MR. Please, make corresponding corrections.</p>	<p><b>CAR10</b> <b>CAR11</b></p>	<p>OK OK</p>
101 (c)	Are the evidence and records	<b>CL02</b>	<b>CL02</b>	OK

## VERIFICATION REPORT "WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE"

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	used for the monitoring maintained in a traceable manner?	Please, clarify what kind of special events stated in the section B.4. are to be documented in the special event log (and their potential impact on the ERUs calculation). Please, clearly indicate in the MR if such events were observed during the monitoring period.		
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	<b>CAR12</b> Please, submit the contract on coal weighting to ensure it was valid during whole monitoring period. Please, add the information about the contractor to the section B.1.4 of the MR.	<b>CAR12</b>	OK
<b>Verification regarding programs of activities (additional elements for assessment)</b>				
102	Is any JPA that has not been added to the JI PoA not verified?	N/A	N/A	N/A
103	Is the verification based on the monitoring reports of all JPAs to be verified?	N/A	N/A	N/A
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	N/A	N/A	N/A
104	Does the monitoring period not	N/A	N/A	N/A



## VERIFICATION REPORT "WASTE HEAPS DISMANTLING WITH THE AIM OF DECREASING THE GREENHOUSE GASES EMISSIONS INTO THE ATMOSPHERE"

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	overlap with previous monitoring periods?			
105	If the AIE learns of an erroneously included JPA, has the AIE informed the JISC of its findings in writing?	N/A	N/A	N/A
<b>Applicable to sample-based approach only</b>				
106	<p>Does the sampling plan prepared by the AIE:</p> <p>(a) Describe its sample selection, taking into account that:</p> <p>(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:</p> <ul style="list-style-type: none"> <li>- The types of JPAs;</li> <li>- The complexity of the</li> </ul>	N/A	N/A	N/A






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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	applicable technologies and/or measures used; <ul style="list-style-type: none"> <li>- The geographical location of each JPA;</li> <li>- The amounts of expected emission reductions of the JPAs being verified;</li> <li>- The number of JPAs for which emission reductions are being verified;</li> <li>- The length of monitoring periods of the JPAs being verified; and</li> <li>- The samples selected for prior verifications, if any?</li> </ul>			
107	Is the sampling plan ready for publication through the secretariat along with the verification report and supporting documentation?	N/A	N/A	N/A
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	N/A	N/A	N/A




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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	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?			
109	Is the sampling plan available for submission to the secretariat for the JISC.s ex ante assessment? (Optional)	N/A	N/A	N/A
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	N/A	N/A



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

Draft report clarifications and corrective action requests by validation team	Ref. to checklist question in table 1	Summary of project participant response	Verification team conclusion
<p><b>CAR01</b> The information concerning project approval is missing in the MR. Please, add the appropriate data to the MR.</p>	90	<p>Response #1: Information concerning project approval was provided in the section A.5 of PDD version 2.7 from 8.07.2010. Letter of Approval from NEIA of Ukraine #882/23/7 from 24.06.2010 Letter of Approval from NL Agency Ministry of Economic Affairs of Netherlands #2010JI10 from 22.04.2010 Letters of Approval from both parties are available at <a href="http://ji.unfccc.int/JI_Projects/DB/VOZ/K3HERSNQGFLCY0YZ3AX5W676M5R/Determination/Bureau%20Veritas%20Certification1277814730.41/viewDeterminationReport.html">http://ji.unfccc.int/JI_Projects/DB/VOZ/K3HERSNQGFLCY0YZ3AX5W676M5R/Determination/Bureau%20Veritas%20Certification1277814730.41/viewDeterminationReport.html</a> Response #2: Information on LoA has been added to the Section A.6 of MR version 3.0 from 16.05.2011.</p>	<p>Conclusion on response #1: Please, add the information concerning project approval to the MR. Conclusion on response #2: MR was checked. The issue is closed.</p>




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<p><b>CAR02</b> The actual (stated in the MR) and estimated (stated in the PDD) amount of ERUs differs significantly. Please, add a comparison of the ERUs values to the MR and provide justification of the difference.</p>	92	<p>ERU amount calculated in PDD version 2.7 from 8.07.2010 was an estimated value. It was calculated using average values of coal concentration in the waste heaps and taking into account conservative load of equipment. During this monitoring period concentration of coal was higher because the bottom layer of the waste heap has been processed. Explanation has been added to the Section A.7 of MR version 2.0 from 12.05.2011</p>	<p>The issue is closed based on due amendments made in the MR.</p>
<p><b>CAR03</b> Please, specify the date of "Snizhnyans'ka-2" unit construction in the section A.6. of the MR in accordance with the data in confirmatory documentation.</p>	93	<p>Date was specified in the table 1 of MR version 2.0 from 12.05.2011</p>	<p>MR was checked. The issue is closed.</p>
<p><b>CAR04</b> The date of start-up of the "Snizhnyans'ka-2" unit indicated in the MR does not correspond with the implementation schedule stated in the determined PDD version 2.7 (page 7). Please, bring this into conformity.</p>	93	<p>Date was corrected in the table 1. Delay was explained in the section A.7 of MR version 2.0 from 12.05.2011</p>	<p>The issue is closed.</p>
<p><b>CAR05</b></p>	95 (b)	<p>Information on the implementation plan</p>	<p>The updated MR</p>



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<p>The statement "There are no deviations from the PDD" in the section A.7. is obviously irrelevant as the implementation of the waste heap processing complex at "Snizhnyans'ka-2" site was delayed compared to the PDD estimates. Please, make corresponding corrections. Please, also clearly indicate in the MR (section A.8) what changes were occurred in the project monitoring in comparison with the previous monitoring period.</p>		<p>of "Snizhnyans'ka-2" unit and changes during the monitoring period were added to the sections A.7 and A.8 of MR version 2.0 from 12.05.2011</p>	<p>was reviewed and found appropriate with regard to the required corrections. The issue is closed.</p>
<p><b>CAR06</b> The data concerning EIA conducted for the "Snizhnyans'ka-2" unit is missing in the section B.2.6. of the MR. Please, make corresponding corrections.</p>	<p>95 (b)</p>	<p>The data concerning EIA conducted for the "Snizhnyans'ka-2" unit was added to the section B.2.6. of the MR version 2.0 from 12.05.2011. Supporting document "SD1_Anthracite_EIA_SN-2_.pdf" which contains EIA on SN-2 unit has been sent to the verifier.</p>	<p>CAR is closed on the basis of documentation provided and appropriate corrections made in the MR.</p>
<p><b>CAR07</b> The reference to Annex 2 of the MR is irrelevant (see page 8 of the MR and supporting Excel file) for CO<sub>2</sub> emission factor for electricity consumed by the project. Clear and traceable references must be indicated.</p>	<p>95 (c)</p>	<p>The reference in Excel file of MR version 2.0 from 12.05.2011 was corrected and changed on "See Annex 2 to PDD ver.2.7. Section "Standardized emission factors for the Ukrainian electricity grid". Emission factor is fixed ex".</p>	<p>MR was checked. The issue is closed.</p>



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<p><b>CAR08</b> The total of baseline emissions for the monitoring period (indicated on the page 17 of the MR) is not equal to the sum of the values for 2010 and 2011. The difference of baseline and project emissions for 2010 is not equal to ERUs amount for corresponding year. Please, correct.</p>	95 (d)	<p>Response #1: Values were revised according to the actual data. MR version 2.0 from 12.05.2011 was amended. Response #2: Values on emissions and emission reductions were corrected in MR version 3.0 from 16.05.2011</p>	<p>Conclusion on response #1: Please, provide values of emissions and ERUs rounded to the whole value and make their format consistent throughout the MR. Conclusion on response #2: MR was checked. The issue is closed.</p>
<p><b>CAR09</b> The amount of coal that has been extracted from the waste heaps and combusted for energy use in the project activity in 2011 (supporting Excel file) does not correspond to the value in the summarizing report observed onsite. Please, use correct value for ERUs calculations.</p>	95 (d)	<p>Values were revised according to the actual data. MR version 2.0 from 12.05.2011 and calculation model were corrected.</p>	<p>The updated MR and calculation model were checked. The issue is closed.</p>
<p><b>CAR10</b> It is stated in the MR that the table providing information on the equipment used (section B.1.2.) is to include date of last calibration. However, this information is not</p>	101 (b)	<p>The table of section B.1.2. and its name in MR version 2.0 from 12.05.2011 were corrected.</p>	<p>MR was checked. The issue is closed.</p>



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provided in the table. Please, bring this into conformity.			
<p><b>CAR11</b> It was observed during site visit that one new electricity meter ("Snizhnyans'ka-2" unit) has been put into operation within the monitoring period (12/2010). At the same time, information concerning this equipment was not provided in the MR. Please, make corresponding corrections.</p>	101 (b)	Amendments were added to the MR version 2.0 from 12.05.2011 Sections A6, A7, A8	MR was checked. The issue is closed.
<p><b>CAR12</b> Please, submit the contract on coal weighting to ensure it was valid during whole monitoring period. Please, add the information about the contractor to the section B.1.4 of the MR.</p>	101 (d)	Information about the contractor was added to the section B.1.4 of the MR version 2.0 from 12.05.2011. Supporting document "SD2_Anthracite_Coal weighting contract.rar" which contains the contract on coal weighting was sent to the verifier via e-mail.	CAR is closed based on documentation provided and appropriate corrections made in the MR.
<p><b>CL01</b> Please, clarify if the key monitoring parameters (electricity consumed, amount of coal that has been extracted etc.) associated with "Snizhnyans'ka-2" unit trial operation were taken into account and considered in the ERUs</p>	95 (a)	Response #1: Key monitoring values (electricity consumed, amount of coal that has been extracted and diesel consumed) of "Snizhnyans'ka-2" unit operation were taken into account and summed up with that of "Snizhnyans'ka-1" unit in order to calculate emission	Conclusion on response #1: Please, note that monitoring values (electricity consumed, amount of coal that has been extracted and



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<p>calculations.</p>		<p>reduction units during the monitoring period.                  Information was added to the Section A.8 of MR version 2.0 from 12.05.2011                  Response #2:                  Information on changes since the last verification and key monitoring values has been corrected and added to the Section A.9 of MR version 3.0 from 16.05.2011                  Supporting document “SD3_Anthracite_electricity.pdf” which contains the data on electricity consumed was sent to the verifier via e-mail.</p>	<p>diesel consumed) used for ERUs calculation (see supporting Excel file) contains only those values related to “Snizhnyans’ka-1” unit (as stated in weighting statements for the monitoring period). Please, correct/clarify the information added to the Section A.8. Please, note that all deviations or revisions to the original monitoring plan (<i>if any</i>) must be listed, described and appropriately justified.                  Conclusion on response #2:                  MR and supporting documentation were checked. The issue</p>
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			is closed.
<b>CL02</b> Please, clarify what kind of special events stated in the section B.4. are to be documented in the special event log (and their potential impact on the ERUs calculation). Please, clearly indicate in the MR if such events were observed during the monitoring period.	101 (c)	Clarification was added to the Section B.4 of MR version 2.0 from 12.05.2011.	MR was checked. The issue is closed.