VERIFICATION REPORT
ING BANK N.V.

VERIFICATION OF THE INTRODUCTION OF ENERGY EFFICIENCY MEASURES AT OJSC "ENAKIEVO METALLURGICAL WORKS"

(FOR THE PERIOD 01/07/2010 - 31/03/2011)

REPORT № UKRAINE-VER/0242/2011

REVISION № 03

BUREAU VERITAS CERTIFICATION

Date of first issue:	Organizational unit:
31/08/2011/	Bureau Veritas Certification Holding SAS
Client:	**Client ref.:**
ING Bank N.V.	Peter van Eijndhoven

Summary:

Bureau Veritas Certification has made the third periodic verification of the "Introduction of energy efficiency measures at OJSC "Enakievo Metallurgical Works" registration number of the JI project UA1000224 of ING Bank N.V. located in the town of Yenakiyeve, Donetsk region, Ukraine, and applying the 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 per determined changes. 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 without material misstatements, and the ERUs issued totalize 174 935 tons of CO_2eq for the monitoring period from 01/07/2010 - 31/03/2011 (by years: 01/07/2010-31/12/2010: 119 910 t CO2 equivalent, 01/01/2011-31/03/2011: 55 025 t CO2 equivalent.

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.:	Subject Group:
UKRAINE-ver/0242/2011	JI

Project title:
"Introduction of energy efficiency measures at OJSC "Enakievo Metallurgical Works"

Work carried out by:
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Bureau Veritas Certification Holding SAS

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Abbreviations

CAR	Corrective Action Request
JI	Joint Implementation
ERU	Emission Reduction Unit
CL	Clarification Request
CO_2	Carbon Dioxide
IE	Independent Entity
GHG	Green House Gas(es)
I	Interview
IETA	International Emissions Trading Association
MoV	Means of Verification
NGO	Non Government Organization
PCF	Prototype Carbon Fund
PDD	Project Design Document
UNFCCC	United Nations Framework Convention for Climate Change

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1 INTRODUCTION

ING Bank N.V. has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project "Introduction of energy efficiency measures at OJSC "Enakievo Metallurgical Works" (hereafter called "the project") at the town of Yenakiyeve, 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.

Initial Verification: The objective of an initial verification is to verify that the project is implemented as planned, to confirm that the monitoring system is in place and fully functional, and to assure that the project will generate verifiable emission reductions. A separate initial verification prior to the project entering into regular operations is not a mandatory requirement.
Periodic Verification: The objective of the periodic verification is to verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan; furthermore the periodic verification evaluates the GHG emission reduction data and express a conclusion with a high, but not absolute, level of assurance about whether the reported GHG emission reduction data is free of material misstatements; and verifies that the reported GHG emission data is sufficiently supported by evidence, i.e. monitoring records. If no prior initial verification has been carried out, the objective of the first periodic verification also includes the objectives of the initial 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 and monitoring plan and other relevant documents. The information in these documents is reviewed against host country criteria.

The verification is not meant to provide any consulting towards the Client. However, stated requests for clarifications and/or corrective 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:

Kateryna Zinevych
Bureau Veritas Certification Team Leader, Climate Change Lead Verifier

Dzhafarov Alexey
Bureau Veritas Certification Team member, Climate Change Verifier

This verification report was reviewed by:

Ivan Sokolov
Bureau Veritas Certification, Internal Technical Reviewer

Igor Alexeenko
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 determination protocol is enclosed in Appendix A to this report.

2.1 Review of Documents

The Monitoring Report (MR) submitted by GreenStream and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Approved CDM methodology (if applicable) 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 version(s) 1.2 dated 19.05.2011 and Monitoring Report version(s) 1.3 dated 25.08.2011 and 1.4 dated 30.09.2011 and projects as described in the determined PDD.

2.2 Follow-up Interviews

On 12/07/2011 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 Greenstream, "EMW" were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
"EMW"	Organizational structure. Responsibilities and authorities. Training of personnel. Quality management procedures and technology. Implementation of equipment (records). Metering equipment control. Metering record keeping system, database. Social impacts. Environmental impacts.
Consultant: GreenStream	Baseline methodology. 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 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 4 Corrective Action Requests, 4 Clarification Requests.

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

3.1 Project approval by Parties involved (90-91)

Written project approval by Ukraine, the Netherlands and Switzerland has been issued by the DFP of that Party (see References). At the time of the verification site visit, which took place 12.07.2011, all written approvals of the project were provided.

The abovementioned written approvals are unconditional.

3.2 Project implementation (92-93)

According to the PDD, version 2.21, the commissioning of the reconstructed blast furnace № 3 is expected in late 2010, at the time of verification, which took place on 12.7.2011, the reconstruction of blast furnace number 3 is not finished and not commissioned. Thus the status of the project indicates that the project was not fully working in the period of monitoring.

All coke consumed by Enakievo Metallurgical Works during the monitoring period was produced in Ukraine (no imported coke is consumed during the monitoring period), which is evidenced by the relevant plant certificate and relevant expert opinion.

The starting date of operation is - 01/01/2006.

There is a difference of data on emission reductions determined in the PDD and monitoring reports for the #3 01/07/2010 - 31/03/2011, based on a longer than planned reconstruction process of blast furnace #3. The end of reconstruction of blast furnace #3 was scheduled for late 2010. However, the process of reconstruction BF# 3 continues through technical complexity and lack of funding.

Outstanding issues related to the Project implementation, project participants` response and BV Certification's conclusion are described in the Appendix A. (CAR 1;CL 1.)

3.3 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 or enhancements of net removals, key factors, such as (fuel availability, international steel market situation etc.), 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 were taken into account, as appropriate.

Data sources used for calculating emission reductions or enhancements of net removals, such as (plant log-books, plant records and data base) are clearly identified, reliable and transparent.

Emission factors (Emission factor for natural gas, Emission factor for coal, Emission factor during coke production) including default emission factors, are selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice.

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

Outstanding issues related to the compliance of the monitoring plan with the monitoring methodology, project participants` response and BV Certification's conclusion is described in Appendix A. (CAR 2.)

3.4 Revision of monitoring plan (99-100)

Not applicable.

3.5 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. (see "References").

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 data collected for the purposes of monitoring is stored in electronic and/or paper formats. All measurements perform by calibrated measurement equipment in accordance with the relevant industrial standards.

Outstanding issues related to the data management, PP's response and BV Certification's conclusion is described in the Appendix A. (CAR 3; CAR 4; CL 2; CL 3; CL 4.)

3.6 Verification regarding programmes of activities(102-110)

Not applicable.

4 VERIFICATION OPINION

Bureau Veritas Certification has made the third periodic verification of the "Introduction of energy efficiency measures at OJSC "Enakievo Metallurgical Works" registration number of the JI project UA1000224 of ING Bank N.V. located in the town of Yenakiyeve, Donetsk region, Ukraine, and applying the 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.

The verification 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 management of "EMW" 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 2.21. 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 1.4, 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.

Bureau Veritas Certification can confirm that the GHG emission reduction is calculated without material 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 the following statement:

Reporting period: From 01.07.2010 to 31.03.2011
Baseline emissions : 3375433 t CO_2 equivalents.
Project emissions : 3200498 t CO_2 equivalents.

Emission Reductions (01/07/2010-31/12/2010): 119 910t CO_2 equivalents.
Emission Reductions (01/01/2011-31/03/2011): 55 025t CO_2 equivalents.

Emission Reductions (01/07/2010–31/03/2011): 174 935t CO2 equivalents.

5 REFERENCES

Category 1 Documents:
Documents provided by GreenStream, EMW of the company that relate directly to the GHG components of the project.

1. PDD of JI project "Introduction of energy efficiency measures at OJSC "Enakievo Metallurgical Works" version 2.21 dated 14/07/2010.
2. Letter - Support NAEI Ukraine from 19.11.2009 # 1380/23/7.
3. Letter - Approval NAEI Ukraine from 26.01.2011 # 166/23/7.
4. Letter NAEI Ukraine identification numbers.
5. Letter of Approval from the Netherlands 2010 JI 28 issued by Ministry of Economic Affairs on 8th of September 2010
6. Letter of Approval from Switzerland J294-0485 issued by the Federal Department of Ecology, Transport, Energy and Communications DETEC of 28 June 2011.
7. Monitoring Report version 1.2 dated 19.05.2011.
8. Monitoring Report version 1.3 dated 25.08.2011.
9. Monitoring Report version 1.4 dated 30.09.2011.
10. Emission Reductions calculations excel spreadsheet version 3.

Category 2 Documents:
Background documents related to the design and/or methodologies employed in the design or other reference documents.

/1/ Statement on repaired and upgraded objects acceptance (boiler БКЗ-75/39Д station #6 of boiler house #1, serial #415), 2011
/2/ Statement dated 15/03/2010 on repaired and upgraded objects acceptance (boiler БКЗ-75/39Д station #7 of boiler house #1, serial #2854)
/3/ Statement dated 27/12/2006 of state inspection committee on completed by construction object commissioning (Linde oxygen unit)
/4/ Statement dated 08/09/2008 of state inspection committee on completed by construction object commissioning (blast furnace #5 construction complex)
/5/ Statement dated 16/09/2010 on blast furnace coke sampling
/6/ Statement dated 13/02/2011 on product quality detected inconsistencies
/7/ Statement dated 14/10/2010 on product quality detected inconsistencies
/8/ The construction of blast furnace #5 with 1513 m³ capacity and infrastructure objects reconstruction. Environmental impact assessment, volume 10, book 1, 2004
/9/ Feasibility study of the blast furnace #3 at OJSC "Enakievo Metallurgical Works" with capacity expansion from 1033 m³ up to 1513 m³. Environmental impact assessment, 2007

/10/ Utilities reconstruction. 2nd stage. Feasibility study of the first reconstruction object. Environmental impact assessment, 204-0.OOC. Revision 1. Volume 4. Book 1, 2008
/11/ Information dated 10/06/2010 on the personnel training of Linde oxygen unit and blast furnace maintenance
/12/ Protocol #363 dated 23/10/2006 on checking the personnel skills and knowledge
/13/ Protocol #364 dated 24/10/2006 on checking the personnel skills and knowledge
/14/ Protocol #365 dated 25/10/2006 on checking the personnel skills and knowledge
/15/ Protocol #380 dated 06/11/2006 on checking the personnel skills and knowledge
/16/ Letter of Endorsement #1380/23/7 dated 19/11/2009 of the JI project "Introduction of energy efficiency measures
at OJSC "Enakievo Metallurgical Works", issued by the National Environmental Investment Agency of Ukraine
/17/ Letter of Approval #166/23/7 dated 26/01/2011 of the JI project "Introduction of energy efficiency measures
at OJSC "Enakievo Metallurgical Works", issued by the National Environmental Investment Agency of Ukraine
/18/ Note #418/23/7 dated 28/02/2011 on approval of the JI project "Introduction of energy efficiency measures
at OJSC "Enakievo Metallurgical Works" under the national procedure, issued by the National Environmental Investment Agency of Ukraine
/19/ Declaration of Approval #2010JI28 dated 08/09/2010 of the JI project "Introduction of energy efficiency measures
at OJSC "Enakievo Metallurgical Works", issued by the Ministry of Economic Affairs of the Netherlands
/20/ Energy consumption balance sheet for January 2011 at OJSC "Enakievo Metallurgical Works"
/21/ Energy consumption balance sheet for February 2011 at OJSC "Enakievo Metallurgical Works"
/22/ Energy consumption balance sheet for March 2011 at OJSC "Enakievo Metallurgical Works"
/23/ Energy consumption balance sheet for June 2010 at OJSC "Enakievo Metallurgical Works"
/24/ Energy consumption balance sheet for August 2010 at OJSC "Enakievo Metallurgical Works"
/25/ Energy consumption balance sheet for September 2010 at OJSC "Enakievo Metallurgical Works"
/26/ Energy consumption balance sheet for October 2010 at OJSC "Enakievo Metallurgical Works"
/27/ Energy consumption balance sheet for November 2010 at OJSC "Enakievo Metallurgical Works"
/28/ Energy consumption balance sheet for December 2010 at OJSC "Enakievo Metallurgical Works"

/29/ Report on steam generation by CHPP for March 2011
/30/ Report on steam generation by CHPP for February 2011
/31/ Passport dated 23/06/2010 on power meter type SAZU-I670M, serial #081600
/32/ Passport dated 24/02/2009 on power meter type SAZU-I672M, serial #199159
/33/ Calibration certificate #02/04-511 dated 12/05/2010, valid till 12/05/2016 on power meter type ST-EA03, serial #001258, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/34/ Calibration certificate #02/04-298 dated 01/04/2010, valid till 01/04/2016 on electronic three-phase power meter type ST-EAO3, serial #001036, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/35/ Calibration certificate #02/04-514 dated 12/05/2010, valid till 12/05/2016 on power meter type ST-EA03, serial #000885, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/36/ Calibration certificate #02/04-627 dated 04/06/2010, valid till 04/06/2016 on electronic three-phase power meter type ST-EA03, serial #000980, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/37/ Calibration certificate #02/04-999 dated 02/09/2010, valid till 02/09/2016 on electronic power meter type LO3T5-1M1, serial #802, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/38/ Calibration certificate #02/04-650 dated 09/09/2010, valid till 09/09/2016 on electronic power meter type LO3T5-1M1, serial #794, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/39/ Calibration certificate #02/04-1094 dated 26/10/2009, valid till 26/10/2015 on electronic power meter type Delta 8010-01, serial #00560, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/40/ Calibration certificate #02/04-1300 dated 08/12/2009, valid till 08/12/2015 on electronic power meter type Delta 8010-01, serial #00589, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/41/ Calibration certificate #02/04-837 dated 10/08/2009, valid till 10/08/2015 on electronic power meter type Delta 8010-01, serial #00589, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/42/ Calibration certificate #02/04-649 dated 09/06/2009, valid till 09/06/2015 on electronic power meter type LO3T5-1M1, serial #772, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/43/ Calibration certificate #02/04-325 dated 06/04/2010, valid till 06/04/2016 on electronic power meter type LO3T5-1M1, serial #973, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification

State Enterprise
/44/ Calibration certificate #02/04-1299 dated 08/12/2009, valid till 08/12/2015 on electronic power meter type Delta 8010-01, serial #00587, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/45/ Calibration certificate #02/04-1097 dated 26/10/2009, valid till 26/10/2015 on electronic power meter type Delta 8010-01, serial #00586, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/46/ Calibration certificate #02/04-623 dated 02/06/2010, valid till 02/06/2016 on power meter type ST-EA03, serial #001040, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/47/ Calibration certificate #02/04-620 dated 02/06/2010, valid till 02/06/2016 on power meter type ST-EA03, serial #000830, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/48/ Calibration certificate #02/04-632 dated 04/06/2010, valid till 04/06/2016 on power meter type ST-EA03, serial #001274, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/49/ Passport dated 27/09/1997 on power meter type SAZU-I670M, serial #431465
/50/ Passport dated 08/12/2008 on power meter type SAZU-I670M, serial #016053505
/51/ Passport dated 10/12/2008 on power meter type SAZU-I670M, serial #016059905
/52/ Passport dated 15/05/1989 on power meter type SAZU-I670M, serial #325858
/53/ Passport dated 19/08/2003 on power meter type SAZU-I687, serial #315604
/54/ Passport dated 26/11/2008 on power meter type SAZU-I670M, serial #016053905
/55/ Passport dated 27/09/1997 on power meter type SAZU-I670M, serial #197971
/56/ Passport dated 02/09/2003 on power meter type SAZU-I670D, serial #378478
/57/ Passport dated 15/07/2008 on power meter type SAZU-I670M, serial #266872
/58/ Calibration certificate #02/04-530 dated 17/05/2010, valid till 17/05/2016 on electronic power meter type LO3T5-1M1, serial #813, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/59/ Calibration certificate #02/04-998 dated 02/09/2010, valid till 02/09/2016 on electronic power meter type LO3T5-1M1, serial #999, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/60/ Calibration certificate #02/04-997 dated 02/09/2010, valid till 02/09/2016 on electronic power meter type LO3T5-1M1, serial #1003, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise
/61/ Calibration certificate #02/04-1000 dated 02/09/2010, valid till 02/09/2016 on electronic power meter type LO3T5-1M1, serial #724, issued by the Donetsk

Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/62/ Calibration certificate #02/04-993 dated 01/09/2010, valid till 01/09/2016 on electronic power meter type ST-EA03, serial #001289, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/63/ Passport dated 23/01/2006 on power meter type SAZU-I672M, serial #305234

/64/ Passport dated 15/02/2009 on power meter type SAZU-I670D, serial #319015

/65/ Passport dated 10/02/2004 on power meter type SAZU-I670M, serial #011958

/66/ Passport dated 22/09/2009 on power meter type SAZU-I687, serial #641450

/67/ Passport dated 12/05/2010 on power meter type SAZU-I687, serial #876699

/68/ Passport dated 12/03/2003 on power meter type SAZU-I687, serial #038585

/69/ Calibration certificate #02/04-711 dated 22/06/2010, valid till 22/06/2016 on electronic power meter type ST-EA03, serial #000861, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/70/ Calibration certificate #02/04-872 dated 04/08/2010, valid till 04/08/2016 on electronic power meter type ST-EA03, serial #000969, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/71/ Calibration certificate #02/04-870 dated 04/08/2010, valid till 04/08/2016 on electronic power meter type ST-EA03, serial #001243, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/72/ Calibration certificate #02/04-296 dated 01/04/2010, valid till 01/04/2016 on electronic power meter type ST-EA03, serial #001226, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/73/ Calibration certificate #02/04-297 dated 01/04/2010, valid till 01/04/2016 on electronic power meter type ST-EA03, serial #000426, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/74/ Calibration certificate #02/04-1029 dated 14/09/2010, valid till 14/09/2016 on electronic power meter type ST-EA03, serial #001203, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/75/ Calibration certificate #02/04-301 dated 01/04/2010, valid till 01/04/2016 on electronic power meter type ST-EA03, serial #001298, issued by the Donetsk Scientific and Production Centre of Standardization, Metrology and Certification State Enterprise

/76/ Report on steam generation by CHPP for January 2011

/77/ Report dated 11/07/2011 on 1 group unit operators examination

/78/ Theory lessons register (groups 1, 2, oxygen unit operator)

/79/ Register sheet of the on-the-job education, oxygen unit operator specialty (Borys Petrenko)

/80/ Educational plan and schedule for special oriented courses: Linde Oxygen Unit Operation

/81/ Order #84 dated 24/07/2006
/82/ Personnel training for BF #5 operation
/83/ Qualification attestation schedule for blast furnace shop workers (BF #5), dated 23/11/2006
/84/ Blast furnace shop workers list for practical study at OJSC “Kosaya Gora Iron Works”
/85/ Professional qualities assessment of I. Khromchenko
/86/ MS and TA shop workers list for practical study at OJSC “Kosaya Gora Iron Works”, Tula city
/87/ Schedule for practical study at OJSC “Kosaya Gora Iron Works”
/88/ Schedule furnace shop workers list for practical study at OJSC “Kosaya Gora Iron Works”
/89/ Executive director instructions on labour protection and safety. Seminar plan.
/90/ Blast furnace shop workers list for practical study at OJSC “Nizhniy Tagil Iron and Steel Works”
/91/ Off-site education and professional training for senior managers, specialists and workers
/92/ Report on air protection for 2010, form #2-ТП (air) (annual)
/93/ Report on air protection for III quarter of 2010, form #2-ТП (air) (for quarter)
/94/ Report on steam generation by CHPP for July 2010
/95/ Report on steam generation by CHPP for August 2010
/96/ Report on steam generation by CHPP for September 2010
/97/ Report on steam generation by CHPP for October 2010
/98/ Report on steam generation by CHPP for November 2010
/99/ Report on steam generation by CHPP for December 2010
/100/ Balance sheet for March 2011 on natural gas consumption at OJSC “Enakievo Metallurgical Works”
/101/ Balance sheet for March 2011 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/102/ Off-balance distribution of natural gas among consumers for March 2011
/103/ Balance sheet for February 2011 on natural gas consumption at OJSC “Enakievo Metallurgical Works”
/104/ Balance sheet for February 2011 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/105/ Off-balance distribution of natural gas among consumers for February 2011
/106/ Balance sheet for January 2011 on natural gas consumption at OJSC “Enakievo Metallurgical Works”
/107/ Balance sheet for January 2011 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/108/ Off-balance distribution of natural gas among consumers for January 2011
/109/ Balance sheet for December 2010 on natural gas consumption at OJSC “Enakievo Metallurgical Works”
/110/ Balance sheet for December 2010 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/111/ Off-balance distribution of natural gas among consumers for December 2010
/112/ Balance sheet for November 2010 on natural gas consumption at OJSC “Enakievo Metallurgical Works”

/113/ Balance sheet for November 2010 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/114/ Off-balance distribution of natural gas among consumers for November 2010
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/120/ Off-balance distribution of natural gas among consumers for September 2010
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/125/ Balance sheet for July 2010 on blast furnace gas consumption at OJSC “Enakievo Metallurgical Works”
/126/ Off-balance distribution of natural gas among consumers for July 2010
/127/ Logbook on classification, investigation and record keeping of emergencies and other shutdowns that led to production standstill, СТП 235-6-42-2009
/128/ Alteration #3. Blast furnace coke. Technical specifications. ТУ У 322-00190443-114-96. Commissioning period since 01/01/2010
/129/ Blast furnace coke. Technical specifications. ТУ У 322-00190443-114-96. Commissioning period: 01/05/1996; valid till 01/01/2001
/130/ Flux limestone OJSC "Dokuchayevo Flux and Dolomite Plant". Technical specifications. ТУ У 14.1-00191856-005-2003. Commissioning period: 01/09/2003; valid till: to 01/09/2008
/131/ Flux limestone OJSC "Dokuchayevo Flux and Dolomite Plant". Technical specifications. ТУ У 14.1-00191856-005-2003. Alteration #1 Commissioning period since 18/02/2004
/132/ Alteration #4. Flux limestone OJSC "Dokuchayevo Flux and Dolomite Plant". Technical specifications. ТУ У 14.1-00191856-005-2003. Commissioning period since 17/09/2008
/133/ Logbook on keeping raw materials, fuel and oils testing at acceptance records of Central Analytical Laboratory of Control Tests Department with Technical Control
/134/ Methodology of measuring the mass fraction of calcium and magnesium oxides in the limestone and lime, dated 01/03/2007 (#63-01-2007). Term of validity is not fixed.
/135/ Technical report dated 01/03/2007 on development and attestation of the methodology of measuring the mass fraction of calcium and magnesium oxides in the limestone and lime

/136/ Methodology of measuring the mass fraction of sulfur in the coke and anthracite dated 01/03/2007 (#62-01-2007). Term of validity is not fixed.
/137/ Technical report dated 01/03/2007 on development and attestation of the methodology of measuring the mass fraction of sulfur in the coke and anthracite
/138/ Logbook on limestone supply
/139/ Logbook on coke supply
/140/ Photo – Scale at Central Analytical Laboratory of Control Tests Department with Technical Control, serial #512
/141/ Examination and calibration certificate dated 22/10/2010 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/142/ Examination and calibration certificate dated 17/11/2010 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/143/ Examination and calibration certificate dated 29/10/2010 on weight hoppers #1, 2 with 5 tones lifting capacity, BF1 of blast furnace shop
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/146/ Examination and calibration certificate dated 21/08/2010 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/147/ Examination and calibration certificate dated 20/08/2010 on weight hoppers #1, 2 with 5 tones lifting capacity, BF1 of blast furnace shop
/148/ Examination and calibration certificate dated 16/07/2010 on weight hoppers #1, 2 with 5 tones lifting capacity, BF1 of blast furnace shop
/149/ Examination and calibration certificate dated 21/07/2010 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/150/ Examination and calibration certificate dated 19/11/2010 on weight hoppers #1, 2 with 5 tones lifting capacity, BF1 of blast furnace shop
/151/ Examination and calibration certificate dated 24/12/2010 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/152/ Examination and calibration certificate dated 28/02/2011 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/153/ Examination and calibration certificate dated 25/02/2011 on weight hoppers #1, 2 with 5 tones lifting capacity, BF1 of blast furnace shop
/154/ Examination and calibration certificate dated 31/01/2011 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
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/157/ Examination and calibration certificate dated 14/03/2011 on weight hoppers with 5 tones lifting capacity BF4 #5, 6 of blast furnace shop
/158/ Calibration certificate dated 01/02/2011 on track scales #6 with 40 tones lifting capacity BF4 at blast furnace shop
/159/ Calibration certificate dated 24/01/2011 on electric track scales #4 with 40 tones lifting capacity BF1 at blast furnace shop
/160/ Calibration certificate dated 11/02/2011 on track scales #1 with 40 tones lifting

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/161/ Calibration certificate dated 01/04/2011 on track scales #6 with 40 tones lifting capacity BF4 at blast furnace shop
/162/ Calibration certificate dated 21/07/2010 on track scales #1 with 40 tones lifting capacity BF1 at blast furnace shop
/163/ Calibration certificate dated 02/07/2010 on track scales #1 with 40 tones lifting capacity BF1 at blast furnace shop
/164/ Calibration certificate dated 06/09/2010 on track scales #1 with 40 tones lifting capacity BF1 at blast furnace shop
/165/ Calibration certificate dated 22/09/2010 on track scales #4 with 40 tones lifting capacity BF1 at blast furnace shop
/166/ Calibration certificate dated 11/10/2010 on track scales #2 with 40 tones lifting capacity BF4 at blast furnace shop
/167/ Calibration certificate dated 28/10/2010 on track scales #6 with 40 tones lifting capacity BF4 at blast furnace shop
/168/ Calibration certificate dated 09/08/2010 on track scales #2 with 40 tones lifting capacity BF4 at blast furnace shop
/169/ Calibration certificate dated 19/08/2010 on track scales #6 with 40 tones lifting capacity BF4 at blast furnace shop
/170/ Operation manual. АЧВА.400446.005 РЭ. Strain-gauge balance track scales of ErMak BB
/171/ Passport on weighting machine KI7426, coke scales KI7426-03
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/174/ Passport on weighting machine KI7426, bunker scales KI7426-07
/175/ Technical report for July 2010
/176/ Technical report for August 2010
/177/ Technical report for September 2010
/178/ Technical report for October 2010
/179/ Technical report for November 2010
/180/ Technical report for December 2010
/181/ Technical report for 2010
/182/ Technical report for March 2011
/183/ Operation manual on weighting machine KI7426, coke scales KI7426-03
/184/ Operation documentation on weighting machine KI7426, coke scales KI7426-03
/185/ Passport 4У2.796.I47ПС on weighting machine, electric track scales VU-EVV
/186/ Calibration schedule on electric track scales 115EVV-40, weight hopper 96B5 at blast furnace shop for 2011
/187/ Calibration schedule dated 08/01/2010 on weighting equipment at BF #5
/188/ Logbook on scales testing, Domenna Station, started 24/01/2011
/189/ Logbook on test weighting of liquid pig iron and tare, Domenna Station, started 24/01/2011
/190/ Logbook on natural gas consumption by furnace, blast furnace shop, BF #1 (passport on Disk-250M, #4162, Metran-100DD, #442666)
/191/ Logbook on natural gas consumption by CHPP, boiler house (passport on Metran, #171585, Disk-250, #50777)

/192/ Logbook on natural gas consumption by furnace, blast furnace shop, BF #5 (passport on Metran-150CD2, #463786)
/193/ Logbook on steam consumption by CHPP, turbine TVD #5 (passport on Metran-100DD, #325655)
/194/ Logbook on jet (superheated) steam consumption by turbine TVD-3 CHPP (passport on Metran, #171738, Disk-250 #24018)
/195/ Logbook on natural gas consumption by furnace, blast furnace shop, BF #4 (passport on Disk-250M #5296, Metran-100DD, #482429)
/196/ Logbook on superheated steam consumption by turbine TVD-1 CHPP (passport on Metran, #61752, Disk-250, #88669)
/197/ Logbook on steam consumption by turbine TVD-2 CHPP (passport on DM, #16729, KSD-3, #240592)
/198/ Logbook on steam consumption by turbine TVD-4 CHPP (passport on Disk-250M, #4152, Metran-100CD, #342311)
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/200/ Logbook on reduced steam consumption by ROU #5 CHPP (passport on DM, #1060581, KSD-3, #288132)
/201/ Logbook on natural gas consumption, CHPP, boiler house (passport on Metran-100DD, #162518, Disk-250M, #5292)
/202/ Logbook on superheated steam consumption, CHPP, boiler #5 (passport on Disk-250M, #4175, Metran-100DD, #443037)
/203/ Logbook on superheated steam consumption, CHPP, boiler #7 (passport on RMT-59, #303-0593, Metran-150CD, #814233)
/204/ Logbook on superheated steam consumption, CHPP, boiler #4 (passport on Disk-250, #49851, Metran, #171744)
/205/ Logbook on steam consumption by boiler #4 CHPP (passport on DM, #13988, KSD-3, #202624)
/206/ Logbook on superheated steam consumption, CHPP, boiler #5 (passport on DM, #33907, KSD-3, #202288)
/207/ Logbook on superheated steam consumption, CHPP, boiler #1 (passport on Disk-250, #65083, Metran, #233543)
/208/ Logbook on superheated steam consumption, CHPP, boiler #2 (passport on DM, #14290, KSD-3, #360983)
/209/ Logbook on superheated steam consumption, CHPP, boiler #2 (passport on DM, #93435, KSD-3, #193582)
/210/ Logbook on superheated steam consumption, CHPP, boiler #1 (passport on Disk-250, #91186, MV-3095, #8119744)
/211/ Annex 3 to the Monitoring Report #3, 01/07/2010-31/03/2011
/212/ Balance logbook on natural gas consumption, started in November 2009
/213/ Balance logbook on oxygen generation
/214/ Logbook on air generation at oxygen shop
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/232/ Photo – Power meter type TsE6805B, serial #9526138
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/234/ Photo – Power meter type Delta 8010-01, serial #00579
/235/ Calibration certificate #02/04-1067, valid till 22/09/2014, on power meter type TsE6811, serial #9418312
/236/ Calibration certificate #02/04-573, valid till 27/11/2012, on power meter type TsE6805B, serial #9526138
/237/ Calibration certificate #02/04-573, valid till 27/11/2012, on power meter type Delta 8010-01, serial #00579
/238/ Flow meter type KSD-3, serial #288132
/239/ Pressure meter Type Metran 150 SD, serial #463786
/240/ Flow meter type Disk 250, serial #50777
/241/ Flow meter type Disk 250, serial #5292
/242/ Pressure meter Type Metran 100 DD, serial #325655
/243/ Pressure meter Type Metran 100 DD, serial #443037
/244/ Flow meter type KSD-3, serial #193582
/245/ Flow meter type Disk 250, serial #4175

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/ Karavaschenko Denis - Head of administration of Energy Saving Technologies.
/2/ Klimash Andriy – acting head of electro technical laboratory.
/3/ Sharandin Mykolay – head of workshop of measuring system and thermal automatics.
/4/ Storozhenko Sergiy – head of central shop laboratory of metrology - main metrologist of EMW.
/5/ Zaika Volodymyr – head of networks and substations shop.
/6/ Kondratiev Yuriy – deputy head of blast-furnace shop for electrical equipment.
/7/ Podoynikova Maryna – acting deputy head of administration of Energy Saving Technologies.
/8/ Muradian Ivan – leading engineer of energy saving, DSP TOV Metinvest Holding.
/9/ Skarshevskiy Viktor – deputy head of energy programs, TOV Metinvest Holding.
/10/ Peter van Eijndhoven – vice president ING Bank.
/11/ Groza Yevgen – director, Ukraine, Green Stream.
/12/ Kozheshkurt Oleksandr – head of department of environmental protection.
/13/ Shatalova Svitlana – deputy head of department of environmental protection.
/14/ Morozov Igor – head of the laboratory of TU standardization.
/15/ Ilyasov Gadgy – head of department of control test.
/16/ Bogachova Nataliia – acting head of group of crude fuels and oils.
/17/ Kistina Valentina - acting deputy head of CMD – head of CAL.
/18/ Chernogorov Volodymyr – head of oxygen shop.

ANNEX 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
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?	At the time of the first verification report, there were no facts to confirm approval of the project stakeholders. At the time of the third verification written approval of all project stakeholders have been provided.	OK	OK
91	Are all the written project approvals by Parties involved unconditional?	All written approval of the project parties is indisputable.	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?	The project is implemented according to the PDD, with respect to which the determination was considered final, and included in the list presented at the UNFCCC JI unit. CAR 1. Please provide implementation schedule and description of the measures implemented in 2010 only. It is not necessary to describe project completely if some of its parts were implemented after monitoring period.	CAR 1	OK
93	What is the status of operation of the project during the monitoring period?	According to the PDD, version 2.21, and documentation, verified during the verification, the commissioning of the reconstructed blast furnace #3 is expected in late 2010. At the time of site visits blast furnace #3 is in working order. State reconstruction	CL 1	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		given blast furnace number 3 in the latest version of monitoring report #3 from 19.05.2011. And presented in this report. CL 1. According to PDD version 2.21 as well as to documentation checked during verification putting into operation of blast furnace #3 was expected at the end of 2010. Please explain when it is planned to finish the reconstruction of BF #3.		
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 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.	OK	OK
95 (a)	For calculating the emission reductions or enhancements of net removals, were key 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?	Yes, for calculating the emission reductions or enhancements of net removals, key 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 were taken into account, as appropriate CAR 2. Please double check Excel file because some data mentioned in it is not in English	CAR 2	OK
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	Sources of data used to calculate emission reductions or increase net absorption, clearly defined, are reliable and transparent.	OK	OK
95 (c)	Are emission factors, including default emission factors, if used for calculating the emission reductions or enhancements of	Yes, emission factors, including default emission factors, used for calculating the emission reductions or enhancements of net removals, were selected by	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	net removals, selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice?	carefully balancing accuracy and reasonableness, and appropriately justified of the choice		
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 or enhancements of net removals are 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	N/a	N/a
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	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
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	N/a	N/a	N/a

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	clearly specified in the monitoring report? Do the monitoring periods not overlap with those for which verifications were already deemed final in the past?			
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	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 plans?	N/a	N/a	N/a
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, is in order?	The functions of monitoring equipment, including calibration status, are serviceable and in order. CAR 3. Please mention in the MR in Annex 3 particularly next calibration date for the monitoring equipment.	CAR 3	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	Yes, the evidence and records used for the monitoring are maintained in a traceable manner	OK	OK
101 (d)	Is the data collection and management	Yes, the data collection and management system for	CAR 4	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	system for the project in accordance with the monitoring plan?	the project is in accordance with the monitoring plan. CAR 4. Please explain how parameter #23 appeared in Table 3 MR if it is absent in PDD. CL 2. Please provide training schedule for personnel for the monitoring period from 01.07.2010 to 31.03.2011, who work with the project equipment. CL 3. Table 3 of the D.2 of MR contains the equipment which meters and their tags do not correspond to the calibration certificates. Please provide necessary corrections. CL 4. Please provide the explanation for the change of the emission factor #14 in the table 3 of the MR.	CL 2 CL 3 CL 4	
Verification regarding programs of activities (additional elements for assessment)				
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 overlap with previous monitoring periods?	N/a	N/a	N/a
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

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
Applicable to sample-based approach only				
106	Does the sampling plan prepared by the AIE: (a) Describe its sample selection, taking into 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: − 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?	N/a	N/a	N/a
107	Is the sampling plan ready for publication through the secretariat along with the verification report and supporting	N/a	N/a	N/a

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	documentation?			
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	N/a	N/a
109	Is the sampling plan available for submission to the secretariat for the JISC.sex 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

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
CAR 1. Please provide implementation schedule and description of the measures implemented in 2010 only. It is not necessary to describe project completely if some of its parts were implemented after monitoring period.	92	The only planned measure was implemented during the monitoring period: reconstruction and commissioning of the boiler #6. The appropriate record has been added in MR Section A.4.: "Reconstruction of the boiler № 6 was finished 31.12.2010, the boiler was commissioned 03.02.2011 after the boiler full scale testing was completed".	The issue is closed.
CL 1. According to PDD version 2.21 as well as to documentation checked during verification putting into operation of blast furnace #3 was expected at the end of 2010. Please explain when it is planned to finish the reconstruction of BF #3.	93	Commissioning of the reconstructed blast furnace № 3 was initially planned for late 2010, but due to unexpected technical complexity of reconstruction as well as lack of financing, the commissioning of the blast furnace #3 is delayed. Commissioning of BF #3 is expected by August 2011. Appropriate record has been added in the MR Section A.4.	The issue is closed.

CAR 2. Please double check Excel file because some data mentioned in it is not in English	95 (a)	The Excel file has been corrected, the entries in Cyrillic have been replaced with ones in English.	The issue is closed.
CAR 3. Please mention in the MR in Annex 3 particularly next calibration date for the monitoring equipment.	101 (b)	In Annex 3, the next calibration dates have been specified particularly for the monitoring equipment.	The issue is closed.
CAR 4. Please explain how parameter #23 appeared in Table 3 MR if it is absent in PDD.	101 (d)	The parameter #23 (consumption of dolomite) is present in PDD v.2.21, please refer PDD v.2.21, Table D.1.1.1, page 36.	The issue is closed.
CL 2. Please provide training schedule for personnel for the monitoring period from 01.07.2010 to 31.03.2011, who work with the project equipment.	101 (d)	Section B1.3 Table 2 of MR has been revised to reflect the training schedule for personnel within period from 01.07.2010 to 31.03.2011.	The issue is closed.
CL 3. Table 3 of the D.2 of MR contains the equipment which meters and their tags do not correspond to the calibration certificates. Please provide necessary corrections.	101 (d)	Section D.2 Table 3 and Table 4 have been revised for correct names of the meters.	The issue is closed.

CL 4. Please provide the explanation for the change of the emission factor #14 in the table 3 of the MR.	101 (d)	The value of emission factor #14 (Emission factor for UES of Ukraine for energy efficiency projects) for 2010 (II) has been changed to *1.093 t CO2/MWh* in accordance with Order # 43 "On Carbon Emission Coefficients Specific Values Approval for 2010" as of 28.03.2011 issued by NEIA of Ukraine. http://www.neia.gov.ua/nature/doccatalog/document?id=126006 The value of emission factor #14 for 2011 has been changed to *1.090 t CO2/MWh* for 2011 in accordance with Order # 75 "On Carbon Emission Coefficients Specific Values Approval for 2011" as of 12.05.2011 issued by NEIA of Ukraine. http://www.neia.gov.ua/nature/doccatalog/document?id=127498	The issue is closed.

ANNEX B: VERIFIERS CV'S

Kateryna Zinevych, M.Sci. (environmental science)

Team Leader, Lead verifier
Bureau Veritas Ukraine Health, Safety and Environment Senior Project Manager

Kateryna Zinevych has graduated from National University of Kyiv-Mohyla Academy with the Master Degree in Environmental Science. She has experience at working in a professional position (analytics) involving the exercise of judgment, problem solving and communication with other professional and managerial personnel as well as customers and other interested parties at analytical centre "Dergzovnishinform" and "Burea Veritas Ukraine" LLC. She has successfully completed IRCA registered Lead Auditor Training Course for Environment Management Systems and Quality Management Systems. She has successfully completed Climate Change Verifier Training Course and she participated as verifier in the determination/verification of 26 JI projects.

Alexey Dzhafarov, specialist APC
Team Member, verifier
Bureau Veritas Ukraine Health, Safety and Environment Project Manager

Alexey Dzhafarov graduated from Kherson National Technical University "KNTU" and holds a specialist in automated process control. He has successfully passed training at the institute of training in quality management, conformity assessment standardization and metrology. A certificate issued: to host the development of certification of the measuring procedure. Certificate number K 1325. Alexey has experience of working in the company "LTD "NPO" Eco Carbon Management" as engineer of the Department of JI projects, engaged in the design and implementation documentation of joint implementation projects. He successfully passed JI Lead verifiers course and participates as verifier in the determination/verification of 5 JI projects.

Report was reviewed by:

Ivan G. Sokolov, Dr. Sci. (biology, microbiology)

Internal Technical Reviewer
Climate Change Lead Verifier, Bureau Veritas Certification Holding SAS Local Climate Change Product Manager for Ukraine

Acting CEO Bureau Veritas Black Sea District

He has over 25 years of experience in Research Institute in the field of biochemistry, biotechnology, and microbiology. He is a Lead auditor of Bureau Veritas Certification for Environment Management System (IRCA registered), Quality Management System (IRCA registered), Occupational Health and Safety Management System, and Food Safety Management System. He performed over 140 audits since 1999. Also he is Lead Tutor of the IRCA registered ISO 14000 EMS Lead Auditor Training Course, and Lead Tutor of the IRCA registered ISO 9000 QMS Lead Auditor Training Course. He is Lead Tutor of the Clean Development Mechanism /Joint Implementation Lead Verifier Training Course and he was involved in the determination/verification over 60 JI/CDM projects.

Igor Alekseenko (metallurgy)
Team Member, Climate Change Technical Specialist
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