VERIFICATION REPORT
"MT-INVEST CARBON" LLC

VERIFICATION OF THE
"IMPLEMENTATION OF TECHNOLOGICAL MODERNIZATION OF LLC "TH "SHEPETIVSKY SUGAR"

INITIAL AND FIRST PERIODIC

FOR THE PERIOD 01/01/2008 – 30/11/2012

REPORT NO. UKRAINE-VER/0562/2012

REVISION NO. 01

BUREAU VERITAS CERTIFICATION

Date of first issue: 07/12/2012	Organizational unit: Bureau Veritas Certification Holding SAS
Client: "MT-Invest Carbon" LLC	Client ref.: Iaroslav Falendysh

Summary:

Bureau Veritas Certification has made the initial and 1st periodic verification of the "Implementation of technological modernization of LLC "TH "Shepetivsky Sugar" project of «MT-Invest Carbon» LLC located in Khmelnitsk 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 Independent Entity of the monitored reductions in GHG emissions during defined verification period, and consisted of the following three phases: i) desk review of the monitoring report against project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion. The overall verification, from Contract Review to Verification Report & Opinion, was conducted using Bureau Veritas Certification internal procedures.

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

In summary, Bureau Veritas Certification confirms that the project is implemented as planned and described in approved project design documents. Installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions. The GHG emission reduction is calculated accurately and without material errors, omissions, or misstatements, and the ERUs issued totalize 1 336 700 tonnes of CO_2 equivalent for the monitoring period from 01/01/2008 to 30/11/2012.

Our opinion relates to the project 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/0562/2012	Subject Group: JI	
Project title: "Implementation of technological modernization of LLC "TH "Shepetivsky Sugar"		
Work carried out by: Kateryna Zinevych – Team leader, lead verifier Volodymyr Kulish – Team member, verifier		
Work reviewed by: Ivan Sokolov – Internal Technical Reviewer Olena Manziuk - Technical Specialist		
Work approved by: Ivan Sokolov – Operational Manager		
Date of this revision: 07/12/2012	Rev. No.: 01	Number of pages: 24

Bureau Veritas Certification Holding SAS

☒ No distribution without permission from the Client or responsible organizational unit

☐ Limited distribution

☐ Unrestricted distribution

Table of Contents *Page*

1 INTRODUCTION

«MT-Invest Carbon» LLC has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI “Implementation of technological modernization of LLC “TH “Shepetivsky Sugar” (hereafter called “the project”) at Khmelnitsk Region, Ukraine.

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

1.1 Objective

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

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

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

1.2 Scope

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

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

1.3 Verification Team

The verification team consists of the following personnel:

Kateryna Zinevych Bureau Veritas Certification	Team Leader, Climate Change Verifier
Volodymyr Kulish Bureau Veritas Certification	Climate Change Verifier

This verification report was reviewed by:

Ivan Sokolov
Bureau Veritas Certification, Internal Technical Reviewer

Olena Manziuk
Bureau Veritas Certification Technical Specialist

2 METHODOLOGY

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

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

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

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

2.1 Review of Documents

The Monitoring Report (MR) submitted by «MT-Invest Carbon» LLC and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD) 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) 1.0, 2.0 and project as described in the determined PDD.

2.2 Follow-up Interviews

On 30/11/2012 Bureau Veritas Certification performed on-site interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of LLC “TH “Shepetivsky Sugar” and «MT-Invest Carbon» LLC were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
LLC "TH "Shepetivsky Sugar"	➢ 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 «MT-Invest Carbon» LLC	➢ Baseline methodology ➢ Monitoring plan ➢ Monitoring report ➢ Excel spreadsheets

2.3 Resolution of Clarification, Corrective and Forward Action Requests

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

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

(a) Corrective action request (CAR), requesting the project participants to correct a mistake that is not in accordance with the monitoring plan;

(b) Clarification request (CL), requesting the project participants to provide additional information for the Verification Team to assess compliance with the monitoring plan;

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

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

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

3 VERIFICATION CONCLUSIONS

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

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

The Clarification, Corrective and Forward Action Requests are stated, where applicable, in the following sections and are further documented in the Verification Protocol in Appendix A. The verification of the Project resulted in 12 Corrective Action Requests, 2 Clarification Requests.

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

3.1 Remaining issues and FARs from previous verifications

No FARs were raised during determination.

3.2 Project approval by Parties involved (90-91)

Written project approval by the Ukraine #3664/23/7 dated 28/11/2012 has been issued by the State Environmental Investment Agency of Ukraine.

Written project approval by the Netherland #2012JI56 dated 28/11/2012 has been issued by the Ministry of Economic Affairs, Agriculture and Innovations.

The abovementioned written approvals are unconditional.

The identified areas of concern as to the Project approval by Parties involved, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CAR 01 - CAR 03).

3.3 Project implementation (92-93)

The project was initiated by LLC "TH "Shepetivsky Sugar" in the middle of 2003. It was started with the creation of the Working Group on Technical Modernization and Advancement of Waste Utilization Practices at LLC "TH "Shepetivsky Sugar" in November 2003. The project has already been implemented. Main project activity was being realized during 2005-2011, that leaded to occurrence of emission

reductions starting from 2005 and gradually increasing as components of the project activity were being commissioned.

The project activity includes to parts:

1) Implementation of the energy efficiency measures to reduce consumption of electricity and natural gas;
2) Advancement of the waste utilization practices.

The project is aimed at achieving greenhouse gases emission reductions through decreasing specific natural gas and electricity consumption during sugar production, and advancing waste management practices at LLC “TH “Shepetivsky Sugar”. As a result of the project implementation energy consumption of the enterprise is reduced, which is related to greenhouse gases emissions, and the quantity of the beetroot pulp decreases, which would be moved to landfill, where as a resultant of anaerobic fermentation of the organic matter contained in the beetroot pulp methane would be released, which is a greenhouse gas.

The identified areas of concern as to the project implementation, project participants responses and Bureau Veritas Certification’s conclusions are described in Appendix A to this report (refer to CAR04, CAR05).

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

There are no deviations to the registered monitoring plan.

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

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

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

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

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

The identified areas of concern as to the compliance of the monitoring plan with the monitoring methodology, project participants responses and Bureau Veritas Certification’s conclusions are described in Appendix A to this report (refer to CAR06 – CAR08).

3.5 Revision of monitoring plan (99-100)

Not applicable

3.6 Data management (101)

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

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

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

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

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

The identified areas of concern as to the data managemet, project participants responses and Bureau Veritas Certification’s conclusions are described in Appendix A to this report (refer to CAR09 – CAR12 and CL01 – CL02).

3.7 Verification regarding programmes of activities (102-110)

Not applicable

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the initial and 1st periodic verification of the “Implementation of technological modernization of LLC “TH “Shepetivsky Sugar” Project in Khmelnitsk Region, 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 the monitoring report against 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 «MT-Invest Carbon» 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 Plan indicated in the final PDD version 03. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of GHG

emission reductions from the project, is the responsibility of the management of the project.

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

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

Reporting period: From 01/01/2008 to 30/11/2012

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

Baseline emissions	:	259 384	tonnes of CO_2 equivalent.
Project emissions	:	25 332	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	234 052	tonnes of CO_2 equivalent.

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

Baseline emissions	:	257 725	tonnes of CO_2 equivalent.
Project emissions	:	18 172	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	239 553	tonnes of CO_2 equivalent.

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

Baseline emissions	:	299 277	tonnes of CO_2 equivalent.
Project emissions	:	28 410	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	270 867	tonnes of CO_2 equivalent.

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

Baseline emissions	:	307 483	tonnes of CO_2 equivalent.
Project emissions	:	22 352	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	285 131	tonnes of CO_2 equivalent.

For the period from 01/01/2012 to 31/12/2012

Baseline emissions	:	333 991	tonnes of CO_2 equivalent.
Project emissions	:	26 894	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	307 097	tonnes of CO_2 equivalent.

Total for the monitoring period

Baseline emissions	:	1 750 823	tonnes of CO_2 equivalent.
Project emissions	:	182 990	tonnes of CO_2 equivalent.
Leakage	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	1 336 700	tonnes of CO_2 equivalent.

5 REFERENCES

Category 1 Documents:

Documents provided by «MT-Invest Carbon» LLC that relate directly to the GHG components of the project.

/1/ Project Design Document “Implementation of technological modernization of LLC “TH “Shepetivsky Sugar” version 03 dated 29/10/2012
/2/ Monitoring report for JI project “Implementation of technological modernization of LLC “TH “Shepetivsky Sugar” Monitoring period 01/01/2008 - 30/11/2012 version 1.0 dated 29/11/2012
/3/ Monitoring report for JI project “Implementation of technological modernization of LLC “TH “Shepetivsky Sugar” Monitoring period 01/01/2008 - 30/11/2012 version 2.0 dated 06/12/2012
/4/ ERUs calculation excel file « 20121130_Shepetovka_MR001.xls»
/5/ Letter of Approval #3664/23/7 dated 28/11/2012 issued by State Environmental Investment Agency of Ukraine
/6/ Letter of Approval from NL Agency of Economic Affairs, Agriculture and Innovations No. 2012JI56 dated 28/11/2012

Category 2 Documents:

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

/1/ Certificate on implementation of quality management system as per ISO 9001:2008, DSTU ISO 9001:2009 standards, issued by the Global Certific LLC Quality Management System Entity
/2/ Certificate # 01.118.713, valid till 02/11/2013 on implementation of quality management system as per EN ISO 9001:2008 standard, issued by the Quality Management System Entity № 3053
/3/ Attestation certificate # 07-2010 dated 29/07/2010, valid till 26/07/2014, on Shepetivka Tsukor Trade House LLC, issued by Kharchopromavtomatyka Plus Scientific, Research and Design Institute LLC
/4/ Logbook Ж-8.2.4-04 on processed beet pulp accounting
/5/ Passport on power meter type ET2A5E7ULTR, fabrication # 42294 (last calibration date–20/10/2010)
/6/ Passport on power meter type ET2A5E7ULTR, fabrication # 37863 (last calibration date–27/01/2009)
/7/ Passport on power meter type ET2A5E7ULTR, fabrication # 42295 (last calibration date–29/10/2010)
/8/ Statement dated 18/02/2009 on replacement of power meter type СА3У-И670, fabrication # 616123 by power meter type ET2A5E7ULTR, fabrication # 37863
/9/ Statement dated 18/02/2009 on replacement of power meter type СР4У-И672М, fabrication # 711969 by power meter type ET2A5E7ULTR,

fabrication # 37863

/10/ Statement # 30 dated 05/10/2011 on seal preservation, oil circuit breaker ТП # 476, line # 06 10 kV

/11/ Statement dated 18/02/2009 on replacement, check, power energy acceptance of power meters type САЗУ-И670, fabrication # 616123, type СР4У-И672М, fabrication # 711969 by power meter type ET2A5E7ULTR, fabrication # 37863

/12/ Statement dated 25/11/2010 on replacement, check, power energy acceptance of power meter type ET3A5E7GLMT, fabrication # 8807 by power meter type ET2A5E7ULTR, fabrication # 42294, power meter type ET3A5E7GLMT, fabrication # 11796 by power meter type ET2A5E7ULTR, fabrication # 42295

/13/ Statement dated 12/12/2008 on installation of active power meter type САЗУ-Н670Д, fabrication # 616123 (calibrated in 2008), reactive power meter type СР4У-Н673М, fabrication # 711969 (calibrated in 2007)

/14/ Statement dated 15/06/2005 on replacement of power meters type СРЗУ-И670М, fabrication # 904899, type СРЗУИТР-09, fabrication # 020339 by power meter type Елвін, fabrication # 8807

/15/ Statement # 30 dated 05/10/2011 on back-up self-supporting power station # ТП-476, line # 06 10 kV

/16/ Passport on temperature transducer ПВТ-01-1-тип 1-100-6, fabrication # 9162 (last calibration date–06/07/2011)

/17/ Passport on gas volume meter Універсал-01, fabrication # 7459 (last calibration date–24/07/2008)

/18/ Passport on standard orifice, fabrication # 223896 (last calibration date–08/07/2011)

/19/ Passport on pressure sensor type Мида ДА-13П-01Ех, fabrication # 04209100 (last calibration date–07/07/2010)

/20/ Passport on pressure difference sensor type CD2A, fabrication # 2239183 (last calibration date–22/08/2011)

/21/ Passport on pressure difference sensor type CD1A, fabrication # 2239182 (last calibration date–22/08/2011)

/22/ Accounting protocol dated 25/08/2011 on pressure sensor # 224989

/23/ Passport on orifice, fabrication # 223896 (last calibration date–25/08/2004)

/24/ Accounting protocol dated 14/07/1998 on pressure sensor # 223895

/25/ Accounting protocol dated 13/07/1998 on pressure sensor # 223896

/26/ Passport on resistance temperature device type ТСП 1187 100П, fabrication # 37 (last calibration date–11/08/2011)

/27/ Passport on resistance temperature device type ТСП 1187 100П, fabrication # 1278 (last calibration date–11/08/2011)

/28/ Passport on manometer type Сапфир 22 ДД, fabrication # 981453 (last calibration date–11/08/2011)

/29/ Passport on manometer type Сапфир 22 ДД, fabrication # 981447 (last calibration date–11/08/2011)

/30/ Passport on resistance temperature device type ТСП 1187 50П, fabrication # w/n (last calibration date–11/08/2011)

/31/ Passport on resistance temperature device type ТСП 1187 50П, fabrication # w/n (last calibration date–11/08/2011)

/32/ Passport on manometer type Сапфир 22 ДИ, fabrication # 961462 (last calibration date–11/08/2011)
/33/ Passport on manometer type Сапфир 22 ДИ, fabrication # 981468 (last calibration date–11/08/2011)
/34/ Passport on manometer type Сапфир 22 ДД, fabrication # 981449 (last calibration date–11/08/2011)
/35/ Passport on manometer type Сапфир 22 ДД, fabrication # 981457 (last calibration date–11/08/2011)
/36/ Passport on pressure sensor type Сапфир 22 ДИ 2160, fabrication # 837435 (last calibration date–25/08/2010)
/37/ Passport on pressure sensor type Сапфир 22 ДИ 2160, fabrication # 837440 (last calibration date–25/08/2010)
/38/ Passport on pressure sensor type Сапфир 22 ДИ 2160, fabrication # 837415 (last calibration date–25/08/2010)
/39/ Passport on pressure sensor type Сапфир 22 ДИ 2160, fabrication # 837430 (last calibration date–25/08/2010)
/40/ Passport on pressure sensor type Сапфир 22 ДИ 2160, fabrication # 911132 (last calibration date–25/08/2010)
/41/ Passport on pressure sensor type Метран-100-ДИ 1111, fabrication # 815428 (last calibration date–25/08/2010)
/42/ Passport on pressure transmitter type ТСП-1288, fabrication # 289 (last calibration date–25/08/2010)
/43/ Passport on pressure transmitter type ТСП-1288, fabrication # 288 (last calibration date–25/08/2010)
/44/ Passport on pressure transmitter type Сапфір-22 ДДВн 2440, fabrication # 948540 (last calibration date–25/08/2010)
/45/ Passport on pressure transmitter type Сапфір-22 ДД 2440, fabrication # 911543 (last calibration date–25/08/2010)
/46/ Passport on pressure transmitter type Сапфір-22 ДД 2440, fabrication # 911548 (last calibration date–25/08/2010)
/47/ Passport on pressure transmitter type Сапфір-22 ДД 2420, fabrication # 948441 (last calibration date–25/08/2010)
/48/ Passport on pressure transmitter type Сапфір-22 ДД 2420, fabrication # 948449 (last calibration date–25/08/2010)
/49/ Information note on production for 2011, Shepetivka Tsukor Trade House LLC
/50/ Information note on production for 2010, Shepetivka Tsukor Trade House PJSC
/51/ Information note on production for 2009, Shepetivka Tsukor Trade House OJSC
/52/ Information note on production for 2008
/53/ Information note on production for 2007
/54/ Information note on production for 2006
/55/ Information note on production for 2005
/56/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2006
/57/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2007

/58/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2008
/59/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2009
/60/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2009
/61/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2010
/62/ Form # 24-power engineering. Power balance, power equipment structure and report on power station (power generating unit) operation for 2011
/63/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2007
/64/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2011
/65/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2010
/66/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2009
/67/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2008
/68/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2006
/69/ Form # 11- МТП. Report on fuel, heat and electricity consumption for 2005
/70/ Order # 147 dated 27/06/2003 on appointment of working team responsible for enterprise technical rehabilitation and production organic wastes utilization improvement
/71/ Inventory voucher # 115 dated 14/04/2005 (plate-type filter)
/72/ Formal request # 120 dated 15/04/2005 (МВЖ-70 filter)
/73/ Goods delivery note # РН-0000611 dated 30/03/2005 (МВЖ-70 plate-type filter)
/74/ Formal request dated 28/04/2005 (ЭЦВ-8 deep well pump)
/75/ Inventory voucher # 176 dated 28/04/2005 (ЕЦВ 6-6,3-125 pump)
/76/ Invoice # 33 dated 28/04/2005 (ЕЦВ 6-6,3-125 pump, fabrication # 357)
/77/ Acceptance-transmitting statement # 1/1 dated 28/04/2005 on ЕЦВ 6 pump
/78/ Acceptance-transmitting statement # 119 dated 29/12/2006 (press-filter КФ-1000)
/79/ Inventory voucher # 1262 dated 08/10/2007 (frequency transmitter)
/80/ Goods delivery note # 10 dated 28/09/2007 (frequency transmitter 160/200 kW)
/81/ Invoice-proforma # 10 dated 20/09/2007 (frequency transmitter 160/200 kW)
/82/ Acceptance-transmitting statement # 61 dated 31/12/2007 (deep extraction press Babbini P-18)
/83/ Acceptance-transmitting statement # 62 dated 31/12/2007 (deep extraction press Babbini P-18)
/84/ Inventory voucher # 1319 dated 12/11/2007 (transporter)
/85/ Goods delivery note # РН-0000001 dated 12/11/2007 (transporter)
/86/ Invoice-proforma # СФ-0000001 dated 09/11/2007 (transporter)
/87/ Statement № 1 on acceptance of contractor's work for May 2007
/88/ Statement dated 26/06/2007 on acceptance of contractor's work for June 2007
/89/ Inventory voucher # 111 dated 22/03/2007 (filters for syrup)
/90/ Invoice # 29 dated 28/02/2007 (filters for syrup)
/91/ Goods delivery note # 196 dated 26/12/2006 (filters for syrup)
/92/ Order # 90/2 dated 19/05/2011 on appointment of inventory commission

/93/ Formal request # 515/2 dated 20/05/2011 (CBH 80/32 pump)
/94/ Acceptance-transmitting statement # 62 dated 25/05/2011 (CBH 80/32 pump)
/95/ Inventory voucher # 292 dated 11/05/2011 (CBH 80/32 pump, CBH 125/32 pump)
/96/ Invoice # 5 dated 11/05/2011 (CBH 80/32 pump, CBH 125/32 pump)
/97/ Order # 98 dated 30/06/2011 on appointment of inventory commission
/98/ Formal request # 445 dated 30/06/2011 (CBH 80/32 pump)
/99/ Acceptance-transmitting statement 30/06/2011 (CBH 80/32 pump)
/100/ Invoice # 167/2 dated 19/11/2009 on commissioning of main production equipment
/101/ Formal request # 91 dated 03/11/2009 (return water drum control valve)
/102/ Acceptance-transmitting statement 19/11/2009 (return water drum control valve 200/630)
/103/ Inventory voucher # 975 dated 30/10/2009 (return water drum control valve 200/630)
/104/ Goods delivery note # PH-00030.1 dated 30/10/2009 (return water drum control valve 200/630)
/105/ Statement # 2 dated 05/10/2009 on executed works
/106/ Inventory voucher # 1562 dated 04/12/2008 (frequency transmitter 55 kW, 0,07/150A network metering valve, TRONIC cable)
/107/ Statement dated 26/03/2009 on executed works
/108/ Statement # 1 on executed works in March 2009
/109/ Inventory voucher # 371 dated 22/06/2009 (ШВВП 3*2,5, transformer Т-0,66-2 1500/5)
/110/ Invoice # 05/09 dated 22/06/2009 (ШВВП 3*2,5, transformer Т-0,66-2 1500/5)
/111/ Statement # 1 on executed works in September 2009
/112/ Statement # 2 on executed works in November 2009
/113/ Statement # 1 on executed project works in August 2010
/114/ Statement # 3 on executed works in June 2010
/115/ Inquiry dated 15/10/2010 on executed construction works cost for October 2010
/116/ Statement # 1 dated 15/10/2010 on executed construction works in October 2010
/117/ Inquiry dated 04/10/2010 on executed construction works cost for November 2010
/118/ Acceptance statement dated 04/10/2010 on executed construction works in November 2010
/119/ Statement # 3 on executed commissioning works in November 2010
/120/ Inquiry dated 03/12/2010 on executed construction works cost for December 2010
/121/ Order # 82 dated 22/06/2009 on commissioning of main production equipment
/122/ Acceptance-transmitting statement # 332/370 dated 22/06/2009 (reactive energy compensation unit УК 05-0,4-250 УЗ “Делiс”)
/123/ Formal request # 332 dated 22/06/2009 (reactive energy compensation unit УК 05-0,4-250 УЗ “Делiс”)

/124/ Inventory voucher # 370 dated 22/06/2009 (reactive energy compensation unit УК 05-0,4-250 УЗ “Деліс”)
/125/ Invoice # 04/09 dated 22/06/2009 (reactive energy compensation unit УК 05-0,4-250 УЗ “Деліс”)
/126/ Inventory voucher # 1051 dated 08/08/2008 (gas burner МДГГ-1000п for boiler ТС-25)
/127/ Goods delivery note # Л-803 dated 08/08/2008 (gas burner МДГГ-1000п for boiler ТС-25)
/128/ Formal request # 480 dated 08/08/2008 (gas burner МДГГ-1000п for boiler ТС-25)
/129/ Acceptance-transmitting statement # 480 dated 08/08/2008 (gas burner МДГГ-1000п for boiler ТС-25)
/130/ Order # 115 dated 08/08/2008 on commissioning of main production equipment
/131/ Inventory voucher # 522 dated 02/06/2010 (СКО 200/45 pumps, СКО 150/45 pumps)
/132/ Goods delivery note # 155 dated 02/06/2010 (СКО 200/45 pumps, СКО 150/45 pumps)
/133/ Order # 268/2 dated 16/07/2010 on commissioning of main production equipment
/134/ Acceptance-transmitting statement # 302 dated 16/07/2010 (СКО 200/45 pumps)
/135/ Acceptance-transmitting statement # 301 dated 16/07/2010 (СКО 150/45 pumps)
/136/ Formal request # 302 dated 16/07/2010 (СКО 200/45 pumps)
/137/ Formal request # 301 dated 16/07/2010 (СКО 150/45 pumps)
/138/ Inventory voucher # 877 dated 16/07/2010 (ПРУД Ду 100, ПРУД Ду 150, ПРУД Ду 200 valves)
/139/ Invoice # 24 dated 16/07/2010 (ПРУД Ду 100, ПРУД Ду 150, ПРУД Ду 200 valves)
/140/ Inventory voucher # 1038 dated 11/08/2010 (ПРУД Ду 100, ПРУД Ду 150, ПРУД Ду 200 valves)
/141/ Goods delivery note # СФ-0000044 dated 11/08/2010 (ПРУД Ду 100, ПРУД Ду 150, ПРУД Ду 200 valves)
/142/ Inventory voucher # 1036 dated 10/08/2010 (control panel with controller and drive remote control)
/143/ Inventory voucher # 1037 dated 10/08/2010 (MAG-3100 flow meter with MAG 5000 DN-50 transmitter)
/144/ Goods delivery note # СФ-0000043 dated 10/08/2010 (MAG-3100 flow meter with MAG 5000 DN-50 transmitter)
/145/ Acceptance statement # 1 dated 07/09/2010 on commissioning
/146/ Acceptance statement # 1 dated 11/05/2010 on executed construction works in May 2010
/147/ Acceptance statement # 2 dated 28/05/2010 on executed construction works in May 2010
/148/ Acceptance statement # 3 dated 29/06/2010 on executed construction works in June 2010
/149/ Order # 250/1 dated 16/06/2010 on commissioning of main production

equipment

/150/ Acceptance-transmitting statement # 1-06 dated 16/06/2010 (МВЖ filters)
/151/ Formal request # 1-06 dated 16/06/2010 (МВЖ filters)
/152/ Inventory voucher # 266 dated 29/03/2010 (МВЖ-70 plate-type filter)
/153/ Goods delivery note # РН-515 dated 29/03/2010 (МВЖ-70 plate-type filter)
/154/ Order # 98 dated 30/06/2011 on commissioning of main production equipment
/155/ Formal request # 445 dated 30/06/2011 (СВН 80/32 pump)
/156/ Acceptance-transmitting statement # Ш0000000031 dated 30/06/2011 (СВН 80/32 pump)
/157/ Order # 90/2 dated 19/05/2011 on commissioning of main production equipment
/158/ Formal request # 515/2 dated 10/05/2011 (СВН 80/32 pump)
/159/ Acceptance-transmitting statement # Ш0000000023 dated 23/05/2011 (СВН 80/32 pump)
/160/ Order # 268/2 dated 16/07/2010 on commissioning of main production equipment
/161/ Acceptance-transmitting statement # 303 dated 16.07.2010 (СВН 50/32 pumps)
/162/ Inventory voucher # 466 dated 28/05/2010 (СВН 50/32 pump)
/163/ Goods delivery note # МГ-32 dated 20/04/2010 (СВН 50/32 pump)
/164/ Inventory voucher # 983 dated 28/07/2010 (МДГГ-1000М gas burner)
/165/ Goods delivery note # 26 dated 28/07/2010 (МДГГ-1000М gas burner)
/166/ Acceptance-transmitting statement # 1 dated 27.08.2010
/167/ Acceptance-transmitting statement # 2 dated 27.08.2010
/168/ Acceptance-transmitting statement dated 16.12.2010 on executed works
/169/ Acceptance-transmitting statement # 2023/1-2 dated 30.12.2010
/170/ Order # 22 dated 24/02/2011 on commissioning of main production equipment
/171/ Formal request # 35 dated 24/02/2011 (sugar purifying centrifuge, # 1300)
/172/ Acceptance-transmitting statement # 1/2 dated 24.02.2011 (pulp press, # 073366)
/173/ Form МД-3. Customs office declaration on sugar purifying drum spare details
/174/ Invoice # 23854 dated 11/05/2011 on spare details
/175/ Goods delivery note # РН-0000022 dated 05/07/2011
/176/ Inventory voucher # 811 dated 05/07/2011
/177/ Inventory voucher # 810 dated 05/07/2011
/178/ Goods delivery note # РН-0000044 dated 22/09/2011
/179/ Inventory voucher # 1145 dated 22/09/2011
/180/ Acceptance-transmitting statement # 3 dated 01.09.2011
/181/ Acceptance-transmitting statement # 2 dated 19.08.2011
/182/ Inventory voucher # 1458 dated 16/09/2010 (sugar purifying centrifuge, # 1300)
/183/ Form МД-2. Customs office declaration on sugar purifying centrifuge
/184/ Invoice # 090310-LD-1 dated 09/03/2010 on System of 4 used BW1300 BUCKAU-WOLF Automatic Batch Type Sugar Centrifuges

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/ Yevhen Bilym - Director
/2/ Oleksandr Andrushchak – Chief engineer
/3/ Tetiana Yakobchuk – Chief technician
/4/ Iryna Fedorova – Deputy chief technician
/5/ Yurii Hudzik – Deputy director on health and safety

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
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?	**Corrective Action Request (CAR) 01** Please provide the Letters of approval of the project. **Corrective Action Request (CAR) 02** Please in the monitoring report provide detailed information about LoAs of JI project issued by the Parties involved. **Corrective Action Request (CAR) 03** Please specify ITL of the project in the MR.	CAR01 CAR02 CAR03	OK
91	Are all the written project approvals by Parties involved unconditional?	See CAR 01 above	OK	OK
Project implementation				
92	Has the project been implemented in accordance with the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	Project is implemented in accordance with the PDD, determination of which is deemed to be final **Corrective Action Request (CAR) 04** Please indicate in the monitoring report the scope of considered JI project.	CAR04	OK
93	What is the status of operation of the project during the monitoring period?	**Corrective Action Request (CAR) 05** Please correct the length of the monitoring period	CAR05	OK
Compliance with monitoring plan				
94	Did the monitoring occur in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	Yes, the monitoring occurs in accordance with the monitoring plan included in the PDD.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
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, all relevant key factors were taken into account, as appropriate.	OK	OK
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	Data sources used for calculating emission reductions or enhancements of net removals are clearly identified, reliable and transparent **Corrective Action Request (CAR) 06** Internet Links #6 is not working. Please make the appropriate changes.	CAR06	OK
95 (c)	Are emission factors, including default emission factors, if used for calculating the emission reductions or enhancements of net removals, selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice?	**Corrective Action Request (CAR) 07** Please indicate the level of measurement error.	CAR07	OK
95 (d)	Is the calculation of emission reductions or enhancements of net removals based on conservative assumptions and the most plausible scenarios in a transparent manner?	Yes, the calculation of emission reductions based on conservative assumptions and the most plausible scenarios in a transparent manner **Corrective Action Request (CAR) 08** Please correct equation used by calculate emission reductions, in excel calculation spreadsheet.	CAR 08	OK
Applicable to JI SSC projects only – Not applicable				
Applicable to bundled JI SSC projects only – Not applicable				

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
Revision of monitoring plan				
Applicable only if monitoring plan is revised by project participant – Not applicable				
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	Yes, the implementation of data collection procedures is in accordance with the monitoring plan, including the quality control and quality assurance procedures.	OK	OK
101 (b)	Is the function of the monitoring equipment, including its calibration status, in order?	**Corrective Action Request (CAR) 09** Please provide calibration interval for instruments used in the monitoring process **Corrective Action Request (CAR) 10** Please provide passport and calibration certificates that ensure accuracy of measuring in the monitoring period for scales. **Corrective Action Request (CAR) 11** Please provide the documental evidences that training of personnel was conducted.	CAR09 CAR10 CAR11	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	The evidences and records used for the monitoring maintained are in a traceable manner	OK	OK
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	The data collection and management system for the project is in accordance with the monitoring plan **Corrective Action Request (CAR) 12** Please provide documented evidence which confirms the data storage during the period as required by UNFCCC JI regulations. **Clarification Request (CL) 01** Please provide the report 2-TP "air" for monitoring period of	CAR12 CL01 CL02	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		the project. **Clarification Request (CL) XX** Please use the uniform title of Consultant.		
Verification regarding programmes of activities (additional elements for assessment) – Not applicable				
Applicable to sample-based approach only– Not applicable				

Table 2 Resolution of Corrective Action and Clarification Requests

Draft report clarification and corrective action requests by verification team	Ref. to checklist question in table 1	Summary of project participant response	Verification team conclusion
Corrective Action Request (CAR) 01 Please provide the Letters of approval of the project.	90	Copies of Letters are provided to AIE.	Based on the documentation received, CAR XX is closed.
Corrective Action Request (CAR) 02 Please in the monitoring report provide detailed information about LoAs of JI project issued by the Parties involved.	90	Information with LoAs number and date of issuance is described in the monitoring report section A.5.	Issue is closed based on the amendments that were made by MR developers.
Corrective Action Request (CAR) 03 Please specify ITL of the project in the MR.	90	Corresponding information was added to the MR. See MR version 2.0	Issue is closed
Corrective Action Request (CAR) 04 Please indicate in the monitoring report the scope of considered JI project.	92	Scope 13 relate to JI project. The information provided according to the registered PDD.	Scopes of the project were indicated in the monitoring report. Issue is closed.

Corrective Action Request (CAR) 05 Please correct the length of the monitoring period	93	Length of crediting period was corrected. See MR version 2.0	Issue is closed
Corrective Action Request (CAR) 06 Internet Links 6 is not working. Please make the appropriate changes.	95 (b)	The internet-reference update.	CAR 06 is closed.
Corrective Action Request (CAR) 07 Please indicate the level of measurement error.	95 (c)	Uncertainty level measuring equipment indicated. See MR version 2.0	Issue is closed
Corrective Action Request (CAR) 08 Please correct equation used by calculate emission reductions, in excel calculation spreadsheet.	95 (d)	The equation was corrected in accordance with determination PDD	The issue is closed.
Corrective Action Request (CAR) 09 Please provide calibration interval for instruments used in the monitoring process	101 (b)	Calibration interval is provided. See MR version 2.0	Issue is closed
Corrective Action Request (CAR) 10 Please provide passport and calibration certificates that ensure accuracy of measuring in the monitoring period for scales.	101 (b)	Passport and calibration certificates that ensure accuracy of measuring in the monitoring period for scales is provided AIE.	Issue is closed based on the analysis of documentation provided.
Corrective Action Request (CAR) 11 Please provide the documental evidences that training of personnel was conducted.	101 (b)	The documental evidences that training of personnel was conducted according to schedule are provided.	Based on the documentation received, CAR 11 is closed.
Corrective Action Request (CAR) 12 Please provide documented evidence which confirms the data storage during the period as required by UNFCCC JI regulations.	101 (d)	Order issued by the project participants was provided to the verification team.	Issue is closed because the internal document that required data storage was provided

Clarification Request (CL) 01 Please provide the report 2-TP "air" for monitoring period of the project.	101 (d)	Reports 2-TP (“air”) are provided to AIE.	Based on the documentation received, CL 01 is closed.
Clarification Request (CL) 02 Please use the uniform title of Consultant.	101 (d)	Corrected See MR version 2.0	Issue is closed