



BUREAU  
VERITAS

# VERIFICATION REPORT

## "MT-INVEST CARBON" LLC

VERIFICATION OF THE  
"IMPLEMENTATION OF TECHNOLOGICAL  
MODERNIZATION OF INSTALLATIONS WITH THE AIM OF  
THE INTRODUCTION OF SUGAR PRODUCTION ORGANIC  
WASTE MANAGEMENT SYSTEM FOR THE SUGAR  
FACTORIES PARTICIPATING IN THE JOINT ACTIVITIES"

INITIAL AND FIRST PERIODIC  
FOR THE PERIOD 01/01/2008 – 30/11/2012

**REPORT No. UKRAINE-VER/0560/2012**

REVISION No. 01

BUREAU VERITAS CERTIFICATION



VERIFICATION REPORT

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 1<sup>st</sup> periodic verification of the "Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities" project of «MT-Invest Carbon» LLC located in Ternopil 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 4 459 228 tonnes of CO<sub>2</sub> 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/0560/2012	Subject Group: JI
Project title: "Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities"	
Work carried out by: Kateryna Zinevych – Team leader, lead verifier Volodymyr Kulish – Team member, verifier	
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Work approved by: Ivan Sokolov – Operational Manager	
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<b>Table of Contents</b>		<b>Page</b>
1	INTRODUCTION .....	3
1.1	Objective	3
1.2	Scope	3
1.3	Verification Team	3
2	METHODOLOGY .....	4
2.1	Review of Documents	4
2.2	Follow-up Interviews	4
2.3	Resolution of Clarification, Corrective and Forward Action Requests	5
3	VERIFICATION CONCLUSIONS .....	6
3.1	Remaining issues and FARs from previous verifications	6
3.2	Project approval by Parties involved (90-91)	6
3.3	Project implementation (92-93)	6
3.4	Compliance of the monitoring plan with the monitoring methodology (94-98)	7
3.5	Revision of monitoring plan (99-100)	7
3.6	Data management (101)	8
3.7	Verification regarding programmes of activities (102-110)	8
4	VERIFICATION OPINION.....	8
5	REFERENCES .....	11
	APPENDIX A: VERIFICATION PROTOCOL.....	19



## 1 INTRODUCTION

«MT-Invest Carbon» LLC has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI “Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities” (hereafter called “the project”) at Ternopil 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 Zinevyh Bureau Veritas Certification	Team Leader, Climate Change Verifier
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Volodymyr Kulish Bureau Veritas Certification	Climate Change Verifier
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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 04/12/2012 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 «Khorostkivskiy Sugar Plant» LLC 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
Khorostkivskiy Sugar Plant LLC	<ul style="list-style-type: none"> <li>➤ Organizational structure</li> <li>➤ Responsibilities and authorities</li> <li>➤ Roles and responsibilities for data collection and processing</li> <li>➤ Installation of equipment</li> <li>➤ Data logging, archiving and reporting</li> <li>➤ Metering equipment control</li> <li>➤ Metering record keeping system, database</li> <li>➤ IT management</li> <li>➤ Training of personnel</li> <li>➤ Quality management procedures and technology</li> <li>➤ Internal audits and check-ups</li> </ul>
CONSULTANT «MT-Invest Carbon» LLC	<ul style="list-style-type: none"> <li>➤ Baseline methodology</li> <li>➤ Monitoring plan</li> <li>➤ Monitoring report</li> <li>➤ Excel spreadsheets</li> </ul>

### 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.

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**VERIFICATION REPORT**

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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 #3665/23/7 dated 28/11/2012 has been issued by the State Environmental Investment Agency of Ukraine.

Written project approval by the Netherland #2012JI62 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 has been implemented at five sugar plants of the Ternopil Region of Ukraine

- Kozivskiy,

VERIFICATION REPORT

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- Lanovetskiy,
- Borshivskiy,
- Buchatskiy,
- Zbarazkiy.

Khorostkivskiy Sugar Plant LLC coordinates the project activity.

The project was initiated by Lanovetskiy Sugar Plant LLC in early 2004. Along with the ratification of the Kyoto Protocol, the opportunity to receive additional financial benefits from reducing greenhouse gases has appeared that was an additional argument for the introduction of such activities at other plants of the Ternopil Region. Implementation of the main project activity took place during 2004-2006, although implementation of some measures continued in 2009-2010.

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 management, 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 1<sup>st</sup> periodic verification of the “Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities” Project in Ternopil 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 2.1. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and




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 VERIFICATION REPORT
 

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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	: 666 680	tonnes of CO <sub>2</sub> equivalent.
Project emissions	: 0	tonnes of CO <sub>2</sub> equivalent.
Leakage	: 0	tonnes of CO <sub>2</sub> equivalent.
Emission Reductions	: 666 680	tonnes of CO <sub>2</sub> equivalent.

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

Baseline emissions	: 819 855	tonnes of CO <sub>2</sub> equivalent.
Project emissions	: 0	tonnes of CO <sub>2</sub> equivalent.
Leakage	: 0	tonnes of CO <sub>2</sub> equivalent.
Emission Reductions	: 819 855	tonnes of CO <sub>2</sub> equivalent.

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

Baseline emissions	: 1 014 099	tonnes of CO <sub>2</sub> equivalent.
Project emissions	: 0	tonnes of CO <sub>2</sub> equivalent.
Leakage	: 0	tonnes of CO <sub>2</sub> equivalent.
Emission Reductions	: 1 014 099	tonnes of CO <sub>2</sub> equivalent.

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

Baseline emissions	: 1 242 855	tonnes of CO <sub>2</sub> equivalent.
Project emissions	: 0	tonnes of CO <sub>2</sub> equivalent.
Leakage	: 0	tonnes of CO <sub>2</sub> equivalent.
Emission Reductions (Year XX)	: 1 242 855	tonnes of CO <sub>2</sub> equivalent.

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

Baseline emissions	: 715 739	tonnes of CO <sub>2</sub> equivalent.
Project emissions	: 0	tonnes of CO <sub>2</sub> equivalent.
Leakage	: 0	tonnes of CO <sub>2</sub> equivalent.



VERIFICATION REPORT

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Emission Reductions (Year XX) : 715 739 tonnes of CO<sub>2</sub> equivalent.

Total for the monitoring period

Baseline emissions : 4 459 228 tonnes of CO<sub>2</sub> equivalent.

Project emissions : 0 tonnes of CO<sub>2</sub> equivalent.

Leakage : 0 tonnes of CO<sub>2</sub> equivalent.

Emission Reductions (Year XX) : 4 459 228 tonnes of CO<sub>2</sub> 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 installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities" version 2.1 dated 21/09/2012
- /2/ Monitoring report for JI project "Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities" Monitoring period 01/01/2008 - 30/11/2012 version 1.0 dated 30/11/2012
- /3/ ERUs calculation excel file «20120723\_MR001\_Mriya\_en.xls»
- /4/ Monitoring report for JI project "Implementation of technological modernization of installations with the aim of the introduction of sugar production organic waste management system for the sugar factories participating in the joint activities" Monitoring period 01/01/2008 - 30/11/2012 version 2.0 dated 06/12/2012
- /5/ Letter of Approval #3665/23/7 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. 2012JI62 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/ Agreement number 240512 on joint activity for implementation through joint action JI project to reduce greenhouse gas emissions, which is implemented in accordance with Article 6 of the Kyoto Protocol to the UN Framework Convention on Climate Change on May 24, 2012.
- /2/ GOST 17421-82. Beet sugar for industrial processing.
- /3/ List of measuring devices that are in operation and are subject to verification in 2012 (geometric) Khorostkivskiy Sugar Plant LLC
- /4/ List of measuring devices that are in operation and are subject to verification in 2012 (physical and chemical) Khorostkivskiy Sugar Plant LLC
- /5/ List of measuring devices that are in operation and are subject to verification in 2012 (Optical PHYSICAL) Khorostkivskiy Sugar Plant LLC
- /6/ List of measuring devices that are in operation and are subject to verification in 2012 (pressure) Khorostkivskiy Sugar Plant LLC
- /7/ List of measuring devices that are in operation and are subject to



## VERIFICATION REPORT

- verification in 2012 (temperature) Khorostkivskiy Sugar Plant LLC
- /8/ List of measuring devices that are in operation and are subject to verification in 2012 (Electrical) Khorostkivskiy Sugar Plant LLC gar factory"
  - /9/ List of measuring devices that are in operation and are subject to verification in 2012 (mechanical) Khorostkivskiy Sugar Plant LLC
  - /10/ Acceptance protocol of the works of calibration of measuring instruments from 31 August 2011. SE "Ternopilstandardmetrologia"
  - /11/ Reference of performance pulp drying and granulation complex for 2005-2011 Khorostkivskiy Sugar Plant LLC
  - /12/ Passport 25080879.00001.001 PS to automated Weighting complex "Skiff AVK6018"
  - /13/ Logbook calibration of weights
  - /14/ Instruction of registration and dispensing beet pulp on sugar factories
  - /15/ Acceptance Act #1 Khorostkivskiy Sugar Plant LLC from October 9, 2007
  - /16/ Acceptance Act #3 Khorostkivskiy Sugar Plant LLC from October 9, 2007  
**Limited Liability Company "Kozivskiy Sugar Plant"**
  - /17/ Reference of performance pulp drying and granulation complex for 2005-2011 Limited Liability Company "Kozivskiy Sugar Plant"
  - /18/ Passport pulp drying and granulation complex № 76011
  - /19/ Contract of sale equipment from October 2, 2008
  - /20/ Acceptance act on the object of sale under contract of sale equipment from October 2, 2008
  - /21/ Acceptance act of the works of calibration of measuring instruments (weights) from July 7, 2012 SE "Ternopilstandardmetrologia"
  - /22/ Information on testing electronic weighing machine VOT number 3198899
  - /23/ Information on testing electronic weighing machine number 3198885
  - /24/ The act of sampling emissions from stationary sources number 55 on September 18, 2009
  - /25/ Resolution № 6123055100-9 the emission of pollutants into the air from stationary sources of 25.12.2009 p
  - /26/ Resolution number 08/01 on waste disposal in 2009 of 24.04.2009
  - /27/ Resolution number 08/01 on waste disposal in 2010 of 16.06.2009
  - /28/ Resolution number 08/01 on waste disposal in 2011 of 29.03.2010
  - /29/ Protocol number 53 measurements of pollutants in emissions from stationary sources from November 12, 2010
  - /30/ Protocol number 5 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /31/ Protocol number 6 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /32/ Protocol number 7 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /33/ Protocol number 8 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /34/ Protocol number 9 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /35/ Protocol number 10 meeting of the commission of the knowledge of the safety of 17/06/2012
  - /36/ Protocol number 11 meeting of the commission of the knowledge of the



## VERIFICATION REPORT

- safety of 17/06/2012
- /37/ Protocol number 12 meeting of the commission of the knowledge of the safety of 17/06/2012
- /38/ Protocol number 14 meeting of the commission of the knowledge of the safety of 17/06/2012
- /39/ Reference natural gas and electricity consumption of pulp drying and granulation complex in the years 2005-2011
- /40/ Tax invoice # 2534 dated August 26, 2008
- /41/ Tax invoice # 2853 dated September 25, 2008
- /42/ Tax invoice # 2913 dated November 28, 2008
- /43/ Tax invoice # 3091 dated August 26, 2009
- /44/ Tax invoice # 3378 dated 26 September 2009
- /45/ Tax invoice # 3415 dated 27 November 2009
- /46/ Tax invoice # 3895 dated 30 August 2010 p.
- /47/ Tax invoice # 4153 dated 26 September 2010
- /48/ Tax invoice # 4439 dated 28 November 2010
- /49/ Tax invoice # 4583 dated 28 August 2011
- /50/ Tax invoice # 4716 dated 29 September 2011
- /51/ Tax invoice # 4857 dated 25 November 2011
- Limited Liability Company "Lanovetskiy Sugar Plant"**
- /52/ Passport 25080879.00001.001 PS to automated Weighting complex
- /53/ List of measuring devices that are in operation and are subject to verification in 2012 (mechanical) Limited Liability Company "Lanovetskiy Sugar Plant"
- /54/ Reference of performance of pulp drying and granulation complex for 2005-2011 Limited Liability Company "Lanovetskiy Sugar Plant"
- /55/ Impacts on the environment "Implementation of pulp recycling on Limited Liability Company "Lanovetskiy Sugar Plant" 2004
- /56/ Passport of pulp drying and granulation complex № 63101
- /57/ Contract of sale equipment from October 2, 2008
- /58/ Contract of sale of real estate Limited Liability Company "Lanovetskiy Sugar Plant" from October 2, 2008
- /59/ Acceptance act on the object of sale from October 2, 2008
- /60/ Acceptance act to the agreement of sale equipment from October 2, 2008
- /61/ Acceptance act of the works of calibration of measuring instruments on August 31, 2011 SE "Ternopilstandardmetrologia"
- /62/ Resolution number 10/01 on waste disposal in 2005 dated 29.06.2004
- /63/ Resolution number 10/01 on waste disposal in 2006 dated 23.06.2005
- /64/ Resolution number 10/01 on waste disposal in 2007 dated 20.04.2006
- /65/ Resolution number 10/01 on waste disposal in 2008 dated 14.06.2007
- /66/ Resolution number 10/01 on waste disposal in 2009 dated 16.06.2008
- /67/ Resolution number 10/01 on waste disposal in 2010 dated 15.06.2009
- /68/ Resolution number 10/01 on waste disposal in 2011 dated 08.06.2010
- /69/ Resolution № 61238110100-3 of the emission of pollutants into the air from stationary sources dated 06.05.2009.
- /70/ Form # 2 tp-air "Report on atmospheric air protection" for 2005
- /71/ Form # 2 tp-air "Report on atmospheric air protection" for 2006
- /72/ Form # 2 tp-air "Report on atmospheric air protection" for 2007





## VERIFICATION REPORT

- /73/ Form # 2 tp-air "Report on atmospheric air protection" for 2008
- /74/ Form # 2 tp-air "Report on atmospheric air protection" for 2009
- /75/ Form # 2 tp-air "Report on atmospheric air protection" for 2010
- /76/ Form # 2 tp-air "Report on atmospheric air protection" for 2011
- /77/ Logbooks of lessons on safety
- /78/ Extract from the Protocol № 17 dated June 10, 2011 meeting of the commission to examine the knowledge
- /79/ Protocol number 1 meeting of the permanent committee of the knowledge of the safety of 13 June 2012
- /80/ The training program on safety Limited Liability Company "Lanovetskiy Sugar Plant" dated 21.05.2012
- /81/ Reference of natural gas and electricity consumption pulp drying and granulation complex in the years 2005-2011
- /82/ Tax invoice # 2093 dated August 28, 2008
- /83/ Tax invoice # 2104 dated September 25, 2008
- /84/ Tax invoice # 2230 dated November 30, 2008
- /85/ Tax invoice # 2314 dated August 29, 2009
- /86/ Tax invoice # 2643 dated 25 September 2009
- /87/ Tax invoice # 2817 dated 26 November 2009
- /88/ Tax invoice # 2896 dated 26 August 2010
- /89/ Tax invoice # 2903 dated 25 September 2010
- /90/ Tax invoice # 3016 dated 25 November 2010
- /91/ Tax invoice # 3250 dated 26 August 2011
- /92/ Tax invoice # 3298 dated 27 September 2011
- /93/ Tax invoice # 3407 dated 25 November 2011
- Limited Liability Company "Borshivskiy Sugar Plant"**
- /94/ Acceptance act of the works of calibration of measuring instruments to account number 019874 dated 13.10.2011, the SE "Ternopilstandardmetrologia"
- /95/ Reference of performance of pulp drying and granulation complex for 2005-2011 Limited Liability Company "Borshivskiy Sugar Plant"
- /96/ Passport to granulation complex OGM-1, 5, № 160532
- /97/ Passport of pulp drying and granulation complex № 45029
- /98/ Contract of purchase and sale of real estate Limited Liability Company "Borshivskiy Sugar Plant" from October 2, 2008
- /99/ Acceptance act object of sale under contract of sale of real property on October 2, 2008
- /100/ Agreement of purchase and sale of equipment October 2, 2008
- /101/ Specification number 3 to the contract of sale of real property from October 2, 2008
- /102/ The act of entering the equipment (pulp drying and granulation complex) dated October 10, 2002
- /103/ Form # 2 tp-air "Report on atmospheric air protection" for 2010
- /104/ Form # 2 tp-air "Report on atmospheric air protection" for 2011
- /105/ Resolution № 6120810100-30 on emissions of pollutants into the air from stationary sources dated 24.09.2008.
- /106/ Resolution number 02/01 on waste disposal dated 19.01.2009
- /107/ Order № 30 "On the training and certification of labor protection in



## VERIFICATION REPORT

- enterprises"
- /108, Protocol number 2 commission meeting to examine the knowledge on safety dated 24.04.2012
  - /109, Protocol number 3 commission meeting to examine the knowledge on safety dated 24.04.2012
  - /110, Thematic plan and training program for mechanics dated 23.04.2012
  - /111, The training program on safety for mechanics dated 23.04.2012
  - /112, Passport of pulp drying press GH-2 № 30.01
  - /113, Reference of natural gas and electricity consumption of pulp drying and granulation complex in the years 2005-2011
  - /114, Tax invoice # 5160 dated August 30, 2008
  - /115, Tax invoice # 5239 dated September 26, 2008
  - /116, Tax invoice # 5327 dated November 28, 2008
  - /117, Tax invoice # 5546 dated August 27, 2009
  - /118, Tax invoice # 5598 dated September 25, 2009
  - /119, Tax invoice # 5662 dated November 27, 2009
  - /120, Tax invoice # 5712 dated August 27, 2010
  - /121, Tax invoice # 5799 dated September 28, 2010
  - /122, Tax invoice # 5812 dated November 26, 2010
  - /123, Tax invoice # 5903 dated August 25, 2011
  - /124, Tax invoice # 5976 dated September 25, 2011
  - /125, Tax invoice # 6008 dated November 30, 2011
- Limited Liability Company "Buchatskiy Sugar Plant"**
- /126, Reference of performance of pulp drying and granulation complex for 2005-2011 Limited Liability Company "Buchatskiy Sugar Plant"
  - /127, Passport of pulp drying and granulation complex № 20697
  - /128, Contract № 18/05-12 sales centrifuge FPN-125L-09 dated May 24, 2012
  - /129, Specification number 1 to the contract of sale of real property dated October 2, 2008
  - /130, Acceptance protocol to the agreement of sale dated October 2, 2008
  - /131, Logbook calibration weights (gross)
  - /132, Logbook calibration weights (tare)
  - /133, Acceptance protocol of the works of calibration of measuring instruments (weights) dated August 31, 2011 SE "Ternopilstandardmetrologia"
  - /134, Contract number 14TP dated April 27, 2011 at complex engineering works and supply of equipment for automation of diffusion separation
  - /135, Logbook teaching and testing laws, rules and regulations on labor protection, electrical safety, fire safety, occupational health and hygiene, safety and working professionals.
  - /136, Protocol number 4 meetings of the commission of knowledge on June 9, 2011 employees of the chief power engineers
  - /137, Protocol number 1 meeting of the commission of knowledge on June 9, 2011 employees of the Chief Mechanics
  - /138, Protocol number 10 meeting of the commission of knowledge from 31 June 2011
  - /139, Protocol number 5 meeting of the commission of knowledge from June 10, 2011 employees of the CHP
  - /140, Resolution for emissions of pollutants into the air from stationary sources



## VERIFICATION REPORT

- dated 22.07.2010
- /141, Resolution № 03/01 of 29.06.2004 on waste disposal in 2005
  - /142, Resolution № 03/01 of 21.06.2005 on waste disposal in 2006
  - /143, Resolution № 03/01 of 13.06.2006 on waste disposal in 2007
  - /144, Resolution № 03/01 of 01.04.2009 on waste disposal in 2009
  - /145, Resolution № 03/01 of 15.06.2009 on waste disposal in 2010
  - /146, Resolution № 03/19 of 12.08.2010 on waste disposal in 2011
  - /147, Resolution № 03/01 of 07.06.2011 on waste disposal in 2012
  - /148, Resolution № 6121210100-19 on emissions of pollutants into the air from stationary sources dated 30.07.2010
  - /149, Report on Air Protection 2-TP (air) for 2005
  - /150, Form # 2 tp-air "Report on atmospheric air protection" for 2006
  - /151, Form # 2 tp-air "Report on atmospheric air protection" for 2007
  - /152, Form # 2 tp-air "Report on atmospheric air protection" for 2008
  - /153, Form # 2 tp-air "Report on atmospheric air protection" for 2009
  - /154, Form # 2 tp-air "Report on atmospheric air protection" for 2010
  - /155, Passport of pulp drying press GH-2 № 30.01
  - /156, Reference natural gas and electricity consumption of pulp drying and granulation complex in the years 2005-2011
  - /157, Tax invoice # 3350 dated August 25, 2008
  - /158, Tax invoice # 3408 dated September 25, 2008
  - /159, Tax invoice # 3491 dated November 27, 2008
  - /160, Tax invoice # 3581 dated August 26, 2009
  - /161, Tax invoice # 3616 dated September 27, 2009
  - /162, Tax invoice # 3708 dated November 26, 2009
  - /163, Tax invoice # 3853 dated August 30, 2010
  - /164, Tax invoice # 3897 dated September 25, 2010
  - /165, Tax invoice # 3972 dated November 26, 2010
  - /166, Tax invoice # 4226 dated August 29, 2011
  - /167, Tax invoice # 4308 dated September 25, 2011
  - /168, Tax invoice # 4405 dated November 25, 2011
- Limited Liability Company "Zbarazkiy Sugar Plant"**
- /169, Reference of performance of pulp drying and granulation complex for 2005-2011 Limited Liability Company "Zbarazkiy Sugar Plant"
  - /170, Passport 25080879.00001.001 PS to automated Weighting complex
  - /171, The act of transfer and acceptance of the works of calibration of measuring instruments (scales automobiles) from September 16, 2011 SE "Ternopilstandardmetrologia"
  - /172, Acceptance protocol to the agreement of sale equipment dated September 24, 2008
  - /173, Contract № 3506274\_1 of installation and commissioning of equipment
  - /174, Resolution number 06/01 dated 13.05.2010 for waste disposal in 2011
  - /175, Resolution number 06/01 dated 16.06.2009, on the waste disposal in 2010
  - /176, Resolution № 6122410100-25 on emissions of pollutants into the air from stationary sources dated 06.08.2010
  - /177, Form # 2 tp-air "Report on atmospheric air protection" for 2010
  - /178, Minutes № 1 commission meeting to examine the knowledge of the safety of 05/25/2011, the



## VERIFICATION REPORT

- /179, Protocol number 10 commission meeting to examine the knowledge of the safety dated September 11, 2011
- /180, Protocol number 13 commission meeting to examine the knowledge of the safety dated September 14, 2011
- /181, Protocol number 14 commission meeting to examine the knowledge of the safety dated September 15, 2011
- /182, Protocol number 15 commission meeting to examine the knowledge of the safety dated September 16, 2011
- /183, Protocol number 2 commission meeting to examine the knowledge of the safety dated 27.05.2011
- /184, Protocol number 3 commission meeting to examine the knowledge of the safety dated 03.06.2011
- /185, Protocol number 4 commission meeting to examine the knowledge of the safety dated 10.06.2011
- /186, Protocol number 5 commission meeting to examine the knowledge of the safety dated 17.06.2011
- /187, Protocol number 6 commission meeting to examine the knowledge of the safety dated 24.06.2011
- /188, Protocol number 7 commission meeting to examine the knowledge of the safety dated 04.07.2011
- /189, Thematic plan for training and re-certification personnel servicing compressor, installations and vessels working under pressure
- /190, Logbook of instruction on safety
- /191, Tax invoice # 4543 dated August 25, 2008
- /192, Tax invoice # 4597 dated September 26, 2008
- /193, Tax invoice # 4637 dated November 25, 2008
- /194, Tax invoice # 4638 dated November 26, 2008
- /195, Tax invoice # 4751 dated August 25, 2009
- /196, Tax invoice # 4802 dated September 29, 2009
- /197, Tax invoice # 4872 dated November 27, 2009
- /198, Tax invoice # 4905 dated August 27, 2010
- /199, Tax invoice # 4985 dated September 27, 2010
- /200, Tax invoice # 5018 dated November 28, 2010
- /201, Tax invoice # 5019 dated November 28, 2010
- /202, Tax invoice # 5264 dated August 29, 2011
- /203, Tax invoice # 5340 dated September 25, 2011
- /204, Tax invoice # 5409 dated November 25, 2011
- /205, Tax invoice # 5411 dated November 27, 2011

**Persons interviewed:**

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

**Limited Liability Company “Borshivskiy Sugar Plant”**

- /1/ Horianiy V.O - General Director
- /2/ Chernega V.M. - Head of the working group on improving the practice of recycling organic waste



## VERIFICATION REPORT

- /3/ Zadorozhna V.M. - Chief Technologist  
/4/ Bondarenko M.V. - Chief power engineer  
/5/ Chorpita I.M. - Chemical engineer, environmentalist  
**Limited Liability Company “Buchatskiy Sugar Plant”**  
/6/ Pavlykivskiy I.A. - General Director  
/7/ Monastirskiy M.I. - Head of the working group on improving the practice of recycling organic waste  
/8/ Sasanchyn I.R. - Chief Technologist  
/9/ Yaremus I.Z. - Chief power engineer  
/10/ Blagiy V.R. - Head of the Department of Labor protection and Environmental  
**Limited Liability Company “Zbarazkiy Sugar Plant”**  
/11/ Voroblevskyy B.I. - General Director  
/12/ Omelchenko O.H. - Head of the working group on improving the practice of recycling organic waste  
/13/ Stemkovskiy L.M. - Chief Technologist  
/14/ Strilitskiy A.A. - Chief power engineer  
/15/ Rogovskiy P.L. - Deputy Chief Engineer  
**Limited Liability Company “Kozivskiy Sugar Plant”**  
/16/ Malyuta V.S. - General Director  
/17/ Buchak V.B. - Head of the working group on improving the practice of recycling organic waste  
/18/ Fediv N.I. - Chief Technologist  
/19/ Pasichnik V.V. - Chief power engineer  
/20/ Tatusko I.M. - Chief ecologist  
**Limited Liability Company “Lanovetskiy Sugar Plant”**  
/21/ Kaznovetskiy V.L. - General Director  
/22/ Paliyeva A.P. - Chief Technologist  
/23/ Parychuk M.G. - Chief power engineer  
/24/ Kyrylchuk N.V. - Safety Engineer  
**Limited Liability Company “Khorostkivskiy Sugar Plant”**  
/25/ Kormilo V.M. - General Director  
/26/ Pidodvirna N.I. - Chief Technologist  
/27/ Harahudz P.M. - Chief power engineer  
/28/ Fedorov M.I. - Chief ecologist  
**“MT-Invest Carbon” LLC**  
/29/ Vasylieva N.V. - Environmental project manager



## VERIFICATION REPORT

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

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
<b>Project approvals by Parties involved</b>				
90	Has the DFPs of at least one Party involved, other than the host Party, issued a written project approval when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines, at the latest?	<p><b><u>Corrective Action Request (CAR) 01</u></b> Please provide the Letters of approval of the project.</p> <p><b><u>Corrective Action Request (CAR) 02</u></b> Please in the monitoring report provide detailed information about LoAs of JI project issued by the Parties involved.</p> <p><b><u>Corrective Action Request (CAR) 03</u></b> Please specify ITL of the project in the MR.</p>	CAR01 CAR02 CAR03	OK
91	Are all the written project approvals by Parties involved unconditional?	See CAR 01 above	OK	OK
<b>Project implementation</b>				
92	Has the project been implemented in accordance with the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	<p>Project is implemented in accordance with the PDD, determination of which is deemed to be final</p> <p><b><u>Corrective Action Request (CAR) 04</u></b> Please indicate in the monitoring report the scope of considered JI project.</p>	CAR04	OK
93	What is the status of operation of the project during the monitoring period?	<p><b><u>Corrective Action Request (CAR) 05</u></b> Please correct the length of the monitoring period</p>	CAR05	OK
<b>Compliance with monitoring plan</b>				
94	Did the monitoring occur in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	Yes, the monitoring occurs in accordance with the monitoring plan included in the PDD.	OK	OK





## VERIFICATION REPORT

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  <b><u>Corrective Action Request (CAR) 06</u></b> Internet Links #11 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?	<b><u>Corrective Action Request (CAR) 07</u></b> 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  <b><u>Corrective Action Request (CAR) 08</u></b> Please correct equation used by calculate emission reductions, in excel calculation spreadsheet.	CAR 08	OK
<b>Applicable to JI SSC projects only – Not applicable</b>				
<b>Applicable to bundled JI SSC projects only – Not applicable</b>				



## VERIFICATION REPORT

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



## VERIFICATION REPORT

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

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
<b>Corrective Action Request (CAR) 01</b> 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.
<b>Corrective Action Request (CAR) 02</b> 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.
<b>Corrective Action Request (CAR) 03</b> 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
<b>Corrective Action Request (CAR) 04</b> 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.



## VERIFICATION REPORT

<b><u>Corrective Action Request (CAR) 05</u></b> Please correct the length of the monitoring period	93	Length of crediting period was corrected. See MR version 2.0	Issue is closed
<b><u>Corrective Action Request (CAR) 06</u></b> Internet Links #11 is not working. Please make the appropriate changes.	95 (b)	The internet-reference update.	CAR 06 is closed.
<b><u>Corrective Action Request (CAR) 07</u></b> Please indicate the level of measurement error.	95 (c)	Uncertainty level measuring equipment indicated. See MR version 2.0	Issue is closed
<b><u>Corrective Action Request (CAR) 08</u></b> 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.
<b><u>Corrective Action Request (CAR) 09</u></b> 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
<b><u>Corrective Action Request (CAR) 10</u></b> 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.
<b><u>Corrective Action Request (CAR) 11</u></b> 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.
<b><u>Corrective Action Request (CAR) 12</u></b> 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
<b><u>Clarification Request (CL) 01</u></b> 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.



VERIFICATION REPORT

<b>Clarification Request (CL) 02</b> Please use the uniform title of Consultant.	101 (d)	Corrected See MR version 2.0	Issue is closed
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