VERIFICATION REPORT
CEP CARBON EMISSIONS PARTNERS S.A.

VERIFICATION OF THE JI PROJECT

REDUCTION OF GREENHOUSE GAS EMISSIONS BY APPLICATION OF NO-TILL TECHNOLOGY AT PRIVATE JOINT STOCK COMPANY "RISE-MAKSYMKO"

First periodic

REPORT NO. UKRAINE-VER/0869/2012

REVISION NO. 02

for the period 01/01/2008 – 31/10/2012

BUREAU VERITAS CERTIFICATION

Date of first issue: 19/12/2012	Organizational unit: Bureau Veritas Certification Holding SAS
Client: CEP CARBON EMISSIONS PARTNERS S.A.	Client ref.: Fabian Knodel

Summary:

Bureau Veritas Certification has made the first periodic verification for the period from January 1, 2008 to October 31, 2012 of the "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko" project of CEP CARBON EMISSIONS PARTNERS S.A., located in Zaporizhzhia, Poltava, Sumy, Rivne, Ternopil, Kirovohrad, Cherkasy, Zhytomyr, Khmelnytskyi and Vinnytsia regions, 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 (but for the crediting period) refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

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

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

In summary, Bureau Veritas Certification confirms that the project is implemented as planned and described in approved project design documents. Installed equipment that is essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions. The GHG emission reduction is calculated without material errors and the ERUs issued totalize 10 596 379 tonnes of CO_2 equivalent for the monitoring period from 01/01/2008 to 31/10/2012.

Our opinion relates to the project's GHG emissions and resulting GHG emission reductions reported and

Report No.: UKRAINE-ver/0869/2012	Subject Group: JI	
Project title: Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko"		
Work carried out by: Oleg Skoblyk – Team Leader, Climate Change Lead Verifier Volodymyr Kulish - Team Member, Climate Change Verifier		
Work reviewed by: Ivan Sokolov - Internal Technical Reviewer		
Work approved by: Ivan Sokolov – Operational Manager		
Date of this revision: 21/12/2012	Rev. No.: 02	Number of pages: 26

Bureau Veritas Certification Holding SAS

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Table of Contents *Page*

1 INTRODUCTION

CEP CARBON EMISSIONS PARTNERS S.A. has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project “Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company “Rise-Maksymko” (hereafter called “the project”) located in Zaporizhzhia, Poltava, Sumy, Rivne, Ternopil, Kirovohrad, Cherkasy, Zhytomyr, Khmelnytskyi and Vinnytsia regions, Ukraine.

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

The verification covers the period from January 1, 2008 to October 31, 2012.

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, and 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:

Oleg Skoblyk

Bureau Veritas Certification, Team Leader, Climate Change Lead Verifier

Volodymyr Kulish
Bureau Veritas Certification, Team Member, Climate Change Verifier

This verification report was reviewed by:

Ivan Sokolov

Bureau Veritas Certification, Internal Technical Reviewer

2 METHODOLOGY

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

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

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

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

2.1 Review of Documents

The Monitoring Report (MR) submitted by CEP CARBON EMISSIONS PARTNERS S.A. and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Approved CDM methodology, Determination Report of the project issued by Bureau Veritas Certification Holding SAS No. UKRAINE-det/0799/2012 as of 12/11/2012, Guidance on criteria for baseline setting and monitoring, Host party criteria, the Kyoto Protocol, Clarifications on Verification Requirements to be Checked by an Accredited Independent Entity were reviewed.

The verification findings presented in this report relate to the Monitoring Report for the period from 01/01/2008 to 31/10/2012 version 01 of December 18, 2012 and version 02 of December 19, 2012 and the project as described in the determined PDD.

2.2 Follow-up Interviews

On 18/12/2012 Bureau Veritas Certification verification team conducted a visit to the project site (Private Joint Stock Company “Rise-Maksymko”) and performed (on-site) interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of CEP CARBON EMISSIONS PARTNERS S.A. and Private Joint Stock Company “Rise-Maksymko” were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
Private Joint Stock Company "Rise-Maksymko"	➢ Organizational structure ➢ Responsibilities and authorities ➢ Personnel training ➢ Quality control procedures and technology ➢ Equipment use (records) ➢ Metering equipment control ➢ Metering record keeping system, database
Consultant: CEP CARBON EMISSIONS PARTNERS S.A.	➢ Baseline methodology ➢ Monitoring plan ➢ Monitoring report ➢ Deviations from the PDD

2.3 Resolution of Clarification, Corrective and Forward Action Requests

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

If the Verification Team, in assessing the monitoring report and supporting documents, identifies issues that need to be corrected, clarified or improved with regard to the monitoring requirements, it should raise these issues and inform the project participants of these issues in the form of:
(a) Corrective action request (CAR), requesting the project participants to correct a mistake that is not in accordance with the monitoring plan;

(b) Clarification request (CL), requesting the project participants to provide additional information for the 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 6 Corrective Action Requests and 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

CAR 10 (lack of written approval from the Host party) that was raised at the determination stage was closed based on the provision of the Letter of Approval to Bureau Veritas Certification SAS.

3.2 Project approval by Parties involved (90-91)

The project was approved by the host Party (Ukraine) - the Letter of Approval No. 3675/23/7 dated 29/11/2012 issued by State Environmental Investment Agency of Ukraine. The project was also approved by the party – participant (Estonia) - Letter of Approval No. 12-1/10247-2 dated 18/12/2012 issued by the Ministry of Environmental Protection of Estonia.
The abovementioned written approvals are unconditional.

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

3.3 Project implementation (92-93)

The purpose of the Joint Implementation (JI) Project is to reduce anthropogenic greenhouse gas (GHG) emissions resulting from agricultural activities by changing the agricultural land management system, namely replacement of traditional soil tillage in agriculture with No-till technology.

In 2005, the Farm started to grow crops applying No-till technology (also referred to as "direct sowing technology"). This technology differs from the traditional technology because it provides for fewer technological procedures, which prevents the topsoil from a major disturbance, and it also differs with the way to utilize plant residues. The number of technological procedures of plant growing and harvesting is almost the same in the two technologies. The main difference is that the traditional technology provides for the processes of fertilizer application, land ploughing, cultivation, furrowing and seeding (multiple passage of the machinery in the field) direct sowing provides for simultaneous fertilizer application and sowing (single passage of the machinery).
In the absence of the Joint Implementation (JI) projectPrivate Joint Stock Company "Rise-Maksymko" would have used the traditional system of soil cultivation. This system involves tillage that provides for turning over of topsoil to create homogeneous and mellow seedbed. The basic operation causing CO_2 emissions is ploughing during which crop residues are buried in the soil and weeds are removed.

The project provides for greenhouse gas (GHG) emission reductions due to:

- reduction of carbon dioxide emissions from farmland achieved by reducing (almost zero) topsoil disturbance by tillage in the course of technological procedures of soil cultivation for crop growing.

The project implies the change in crops growing technology. This includes the following measures:

- change of soil cultivation and sowing technology;
- change of plant residue management;
- equipping the machine-tractor fleet with high-efficiency machinery to meet the No-till technology requirements.

The starting date of the crediting period was the date when they were first ERUs were generated, namely January 1, 2008. The end of the crediting period is December 31, 2012. Thus, the length of the crediting period is 5 years/60 months.

Project implementation status, including the project milestones, in the reporting period of 01/01/2008 – 31/10/2012 is provided in Table 2 below.

Table 2 Project implementation status

Year	Area	
	ha	proportion of the total area of arable farm land , %
2008	100946,6909	71,4
2009	141269,2209	100
2010	141269,2209	100
2011	141269,2209	100
01/01/2012 – 31/10/2012	141269,2209	100

In the current monitoring period, the following equipment was commissioned:

- seed drills for direct seeding;
- special tractors;
- herbicide sprayers;
- seed and fertilizer drill systems;
- combine harvesters and other machinery required by the technology.

If a malfunction is detected, the technician informs the master of Private Joint Stock Company “Rise-Maksymko”. If the malfunction cannot be repaired immediately (absence of the required spare part, engine breakdown, etc.), a commission shall be created. The commission includes technical department representatives, chief engineer and lead engineers. Depending on the type of malfunction, a Damage or Emergency

Report is drawn up to be submitted to the management of Private Joint Stock Company "Rise-Maksymko"; repair of the equipment is conducted.
The resulting emission reductions from the project do not exceed the amount of emissions that would be in the absence of the project because the project does not provide for any emissions.

The project was in operation throughout the monitoring period - from 01/01/2008 to 31/10/2012.

The identified areas of concern as to the project implementation, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CAR 03, CAR 04).

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

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

For calculating the emission reductions, key factors, such as humus content in the soil of field «*i*» cultivated using traditional tillage in period «*y*», soil density at field cultivated using traditional tillage prior to the project, depth of soil layer disturbance at field «*i*» when conventional tillage is applied, area of field «*i*» cultivated using No-till technology, humus content in the soil of field «*i*» cultivated using No-till technology in period «*y*», experience in implementing activities provided by the project, current practice that exists in this field in Ukraine, financial costs and background and legislation, 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 such as protocols soil quality measurements, registry of Farm's fields, information from the company and IPCC information are clearly identified, reliable and transparent.

Factors, including organic carbon to humus conversion coefficient and conservatism factor that takes account of possible emissions in the project scenario in the process of creation of anti-fire furrows and minimal topsoil disturbance in No-till technology, 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 monitoring periods per component of the project are clearly specified in the monitoring report and do not overlap with those for which verifications were already deemed final in the past.

The identified areas of concern as to the compliance of the monitoring plan with the monitoring methodology, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CAR 05, CL 01).

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 provided in the PDD, including the quality control and quality assurance procedures.

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

Metering devices used for project monitoring are subject to state calibration. Calibration and verification of all devices necessary for humus content measurement are conducted annually by Ukrainian State Centre for Standardization and Certification.
If necessary, John Deere specialists may be involved in adjustment of GreenStar2 system.
Private Joint Stock Company "Rise-Maksymko" employees are subject to periodic testing for requirements:

- of data collection in accordance with the monitoring report (data collection in accordance with monitoring coincides with the customary data collection practice);
- of labour protection;
- of safety rules.

Every quarter, project developers CEP Carbon Emissions Partners S.A. and EVO CARBON TRADING SERVICES LTD conduct internal audit at Private Joint Stock Company "Rise-Maksymko".
The plan of internal audit at Private Joint Stock Company "Rise-Maksymko" includes the following activities:

1. verification of areas of fields where No-till technology is implemented;
2. verification of humus content measurements;
3. verification of verification frequencies for humus metering devices;
4. verification of calibration frequencies for humus metering devices;

To implement the project the operational structure was created; it includes Private Joint Stock Company "Rise-Maksymko" agrotechnicians and engineers (responsible for accounting of area treated with No-till technology), National Research Centre "Farming Institute of the National Academy of Agrarian Sciences of Ukraine" (responsible for

provision of agrochemical data for project monitoring), Private Joint Stock Company "Rise-Maksymko" chief agrotechnician (recording and reporting data in the table), and Private Joint Stock Company "Rise-Maksymko" manager (data processing and archiving). The data subject to monitoring and required for the determination and further verification are archived and stored in paper and electronic form at Private Joint Stock Company "Rise-Maksymko" for two years after the transfer of emission reduction units generated by the project.

The structure of monitoring data collection is as follows:

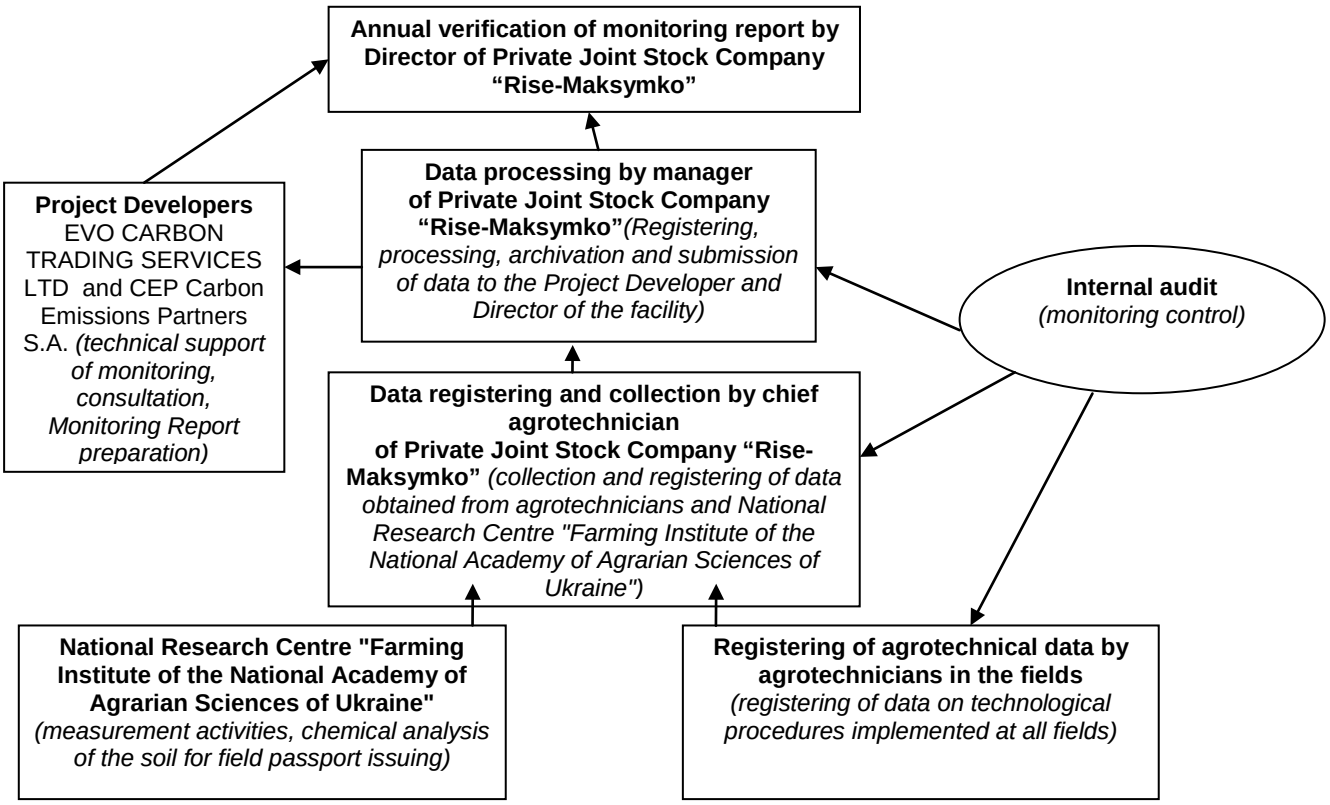

Figure 1 Operational structure and data collection scheme for the project monitoring

All necessary data concerning GHG emission reduction monitoring is archived in paper and/or electronic form and kept till the end of the crediting period and for two years after the latest transaction with emission reduction units.

The Monitoring Report version 02 provides sufficient information on duties assigned, responsibility and authorities concerning implementation and undertaking of monitoring procedures, including data management. The verification team confirms the efficiency of the existing management and operational systems and considers them appropriate for reliable project monitoring.

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 CAR 06, CL 02).

3.7 Verification regarding programmes of activities (102-110)

Not applicable.

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the first periodic verification for the period from January 1, 2008 to October 31, 2012 of the "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko» project in Ukraine, which applies JI specific approach. The verification was performed on the basis of UNFCCC criteria and host country criteria and also on the criteria given to provide for consistent project operations, monitoring and reporting.

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

Private Joint Stock Company "Rise-Maksymko" management is responsible for the preparation of data which serve as the basis for estimation of GHG emission reductions. CEP Carbon Emissions Partners S.A та EVO CARBON TRADING SERVICES LTD providePrivate Joint Stock Company "Rise-Maksymko" with consultative support in the issues relating to organization of data collection and is responsible for developing the monitoring report based on the Project Monitoring Plan included in the final PDD version 02.

Bureau Veritas Certification verified the Project Monitoring Report version 02 for the reporting period from 01/01/2008 to 31/10/2012 as indicated below. Bureau Veritas Certification confirms that the project is implemented as per approved PDD version. Installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions.

Emission reductions achieved by the project for the period from 01/01/2008 to 31/10/2012 do not differ from the amount predicted for the same period in the determined PDD. This is explained by the fact that at the PDD development stage all data for accurate calculation of GHG emission reductions from the project were available.

Bureau Veritas Certification can confirm that the GHG emission reduction is calculated without material misstatements. Our opinion relates to the project's GHG emissions and resulting GHG emissions reductions reported and related to the approved project baseline and monitoring, and its associated documents. Based on the information we have seen and evaluated, we confirm the following statement:

Reporting period: From 01/01/2008 to 31/10/2012

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

Baseline emissions	:	935 016	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	935 016	tonnes of CO_2 equivalent.

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

Baseline emissions	:	1 491 915	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	1 491 915	tonnes of CO_2 equivalent.

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

Baseline emissions	:	2 104 108	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	2 104 108	tonnes of CO_2 equivalent.

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

Baseline emissions	:	2 726 459	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	2 726 459	tonnes of CO_2 equivalent.

In the period from 01/01/2012 to 31/10/2012

Baseline emissions	:	3 338 881	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	3 338 881	tonnes of CO_2 equivalent.

Total in the period from 01/01/2008 to 31/10/2012

Baseline emissions	:	10 596 379	tonnes of CO_2 equivalent.
Project emissions	:	0	tonnes of CO_2 equivalent.
Emission Reductions	:	10 596 379	tonnes of CO_2 equivalent.

5 REFERENCES

Category 1 Documents:

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

/1/	Project Design Document of the JI project "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko", version 02 dated 05/10/2012
/2/	Monitoring Report of the JI project "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko" for the period from 01/01/2008 to 31/10/2012 version 01 dated 18/12/2012
/3/	Monitoring Report of the JI project "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko" for the period from 01/01/2008 to 31/10/2012 version 02 dated 19/12/2012
/4/	Annex 1. Parameters of the Monitoring Plan
/5/	Annex 2. Calculation of CO_2 emission reductions by implementation of No-till technology at Private Joint Stock Company "Rise-Maksymko"
/6/	Determination Report of the project "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko» No. UKRAINE-det/0799/2012 as of 12/11/2012 issued by Bureau Veritas Certification
/7/	Letter of Approval issued by State Environmental Investment Agency of Ukraine No. 3675/23/7 dated 29/11/2012
/8/	Letter of Approval No. 12-1/10247-2 issued by the Ministry of Environmental Protection of Estonia dated 18/12/2012

Category 2 Documents:

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

/1/	Agreement #29-03 for supply of agricultural machinery on credit terms dated 29/03/2004
/2/	Agreement #Ts-6161 on transfer of property rights to agricultural machinery dated 27/05/2009
/3/	Sale-purchase agreement #06-03-2008 dated 11/03/2008
/4/	Agreement #07-06-68 dated 15/08/2006
/5/	Machine registration license #687081 (New Holland wheel tractor) dated 22/06/2009
/6/	Machine registration license #687082 (John Deere wheel tractor) dated 22/06/2009
/7/	Machine registration license #576469 (John Deere 3420 telescopic handler)

	dated 18/08/2008
/8/	Machine registration license #709312 (John Deere 8400 wheel tractor) dated 18/08/2008
/9/	Machine registration license #709314 (John Deere 8400 wheel tractor) dated 22/12/2009
/10/	Machine registration license #709310 (John Deere 8400 wheel tractor) dated 22/12/2009
/11/	Machine registration license #709300 (John Deere 8400 wheel tractor) dated 21/12/2009
/12/	Machine registration license #576463 (John Deere 8530 wheel tractor) dated 14/08/2008
/13/	Machine registration license #576461 (John Deere 8430 wheel tractor) dated 14/08/2008
/14/	Machine registration license #576456 (John Deere 8430 wheel tractor) dated 14/08/2008
/15/	Machine registration license #576457 (John Deere 8430 wheel tractor) dated 14/08/2008
/16/	Machine registration license #576481 (John Deere 8530 wheel tractor) dated 21/08/2008
/17/	Machine registration license #576459 (John Deere 8530 wheel tractor) dated 14/08/2008
/18/	Machine registration license #576464 (John Deere 8530 wheel tractor) dated 14/08/2008
/19/	Machine registration license #576482 (John Deere 8530 wheel tractor) dated 21/08/2008
/20/	Machine registration license #576462 (John Deere 8430 wheel tractor) dated 14/08/2008
/21/	Machine registration license #576476 (John Deere 8430 wheel tractor) dated 21/08/2008
/22/	Machine registration license #576479 (John Deere 8430 wheel tractor) dated 21/08/2008
/23/	Machine registration license #576477 (John Deere 8430 wheel tractor) dated 21/08/2008
/24/	Machine registration license #576458 (John Deere 8430 wheel tractor) dated 14/08/2008
/25/	Machine registration license #576478 (John Deere 8430 wheel tractor) dated 21/08/2008
/26/	Machine registration license #576455 (John Deere 8430 wheel tractor) dated 14/08/2008
/27/	Machine registration license #576460 (John Deere 8430 wheel tractor) dated 14/08/2008
/28/	Machine registration license #576480 (John Deere 8430 wheel tractor) dated 21/08/2008
/29/	Machine registration license #576495 (John Deere 8430 wheel tractor) dated 01/09/2008
/30/	Machine registration license #576498 (John Deere 8430 wheel tractor)

	dated 01/09/2008
/31/	Machine registration license #576496 (John Deere 8530 wheel tractor) dated 01/09/2008
/32/	Information note of ploughing depths for agricultural crops at PrSC “Rise-Maksymko” dated 14/11/2012
/33/	Information note of quantitative characteristics of PrSC “Rise-Maksymko” farmlands by crops with No-till technology applied dated 14/11/2012
/34/	Scientific rationale of humus content dynamics in soils of natural climatic areas with traditional tillage and No-till technology applied (PrSC “Rise-Maksymko”) dated 10/10/2012

Persons interviewed:

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

	Name	Organisation	Title
/1/	Volodymyr Baranovskyi	PrSC “Rise-Maksymko”	Director General
/2/	Hryhorii Prymak	PrSC “Rise-Maksymko”	Deputy Director General of Plant Farming Department
/3/	Dmytro Kupor	PrSC “Rise-Maksymko”	Deputy Director of Land Resource and Ecology Department
/4/	Serhii Samsoniuk	PrSC “Rise-Maksymko”	Logistics Engineer
/5/	Serhii Sultan	PrSC “Rise-Maksymko”	Deputy Director General on Mechanization Issues
/6/	Iryna Naumenko	“CEP” LLC	CEP CARBON EMISSIONS PARTNERS S.A. Consultant

APPENDIX A: PROJECT VERIFICATION PROTOCOL

BUREAU VERITAS CERTIFICATION HOLDING SAS

VERIFICATION PROTOCOL

Table 1. 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?	The project has been approved by both Parties. The Letters of Approval were provided to the verification team. **CAR 01**. The name of the project specified in MR doesn't meet The LOA. **CAR 02**. In Section A.2. of MR mistakenly noted that letter of approval granted by the Government of Switzerland.	**CAR 01** **CAR 02**	OK OK
91	Are all the written project approvals by Parties involved unconditional?	Yes, all the written project approvals by Parties involved are unconditional.	OK	OK
Project implementation				
92	Has the project been implemented in accordance with the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	The purpose of the Joint Implementation (JI) Project is to reduce anthropogenic greenhouse gas (GHG) emissions resulting from agricultural activities by changing the agricultural land management system, namely replacement of traditional soil tillage in	**CAR 03**	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		agriculture with No-till technology. The project implies the change in crops growing technology. This includes the following measures: - change of soil cultivation and sowing technology; - change of plant residue management; - equipping the machine-tractor fleet with high-efficiency machinery to meet the No-till technology requirements. **CAR 03**. In Section A.3. of the MR the year when the farm began to use No-till technology for crop growing is incorrect.		
93	What is the status of operation of the project during the monitoring period?	The project was in operation throughout the monitoring period - from 01/01/2008 to 31/10/2012. **CAR 04**. The amount of hectares of project lands is incorrect in Table 2 of the MR.	**CAR 04**	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?	There are not any changes in or deviations from the registered monitoring plan.	OK	OK
95 (a)	For calculating the emission reductions or enhancements of net removals, were key factors, e.g. those listed in 23 (b) (i)-(vii) of the DVM, influencing the baseline emissions or net removals and the activity level of the project and the	For calculating the emission reductions, key factors, such as humus content in the soil of field «i» cultivated using traditional tillage in period «y», soil density at field cultivated using traditional tillage prior to the project, depth of soil layer disturbance at field «i» when conventional tillage is applied, area of field	**CAR 05**	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	emissions or removals as well as risks associated with the project taken into account, as appropriate?	«i» cultivated using No-till technology, humus content in the soil of field «i» cultivated using No-till technology in period «y», experience in implementing activities provided by the project, current practice that exists in this field in Ukraine, financial costs and background and legislation, 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. **CAR 05.** The historical data period is specified incorrectly in Section D.1.2.		
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 are clearly identified, reliable and transparent. **CL 01**. Please, provide a documentation confirming the measuring of humus content in the soil to verification team.	**CL 01**	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?	Emission factors, including default emission factors were not used for calculating the emission reductions. This is explained by the chosen specific approach and the formulae stated in the MR.	OK	OK
95 (d)	Is the calculation of emission reductions or enhancements of net removals based on conservative assumptions and the most plausible scenarios in a	Calculation of emission reductions is based on conservative assumptions and the most plausible scenarios in a transparent manner.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	transparent manner?			
Applicable to JI SSC projects only				
96	Is the relevant threshold to be classified as JI SSC project not exceeded during the monitoring period on an annual average basis? If the threshold is exceeded, is the maximum emission reduction level estimated in the PDD for the JI SSC project or the bundle for the monitoring period determined?	Not applicable	Not applicable	Not applicable
Applicable to bundled JI SSC projects only				
97 (a)	Has the composition of the bundle not changed from that is stated in F-JI-SSCBUNDLE?	Not applicable	Not applicable	Not applicable
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the project participants submitted a common monitoring report?	Not applicable	Not applicable	Not applicable
98	If the monitoring is based on a monitoring plan that provides for overlapping monitoring periods, are the monitoring periods per component of the project clearly specified in the monitoring report? Do the monitoring periods not overlap with those for which verifications were	Not applicable	Not applicable	Not applicable

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	already deemed final in the past?			
Revision of monitoring plan				
Applicable only if monitoring plan is revised by project participant				
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	Not applicable.	Not applicable	Not applicable
99 (b)	Does the proposed revision improve the accuracy and/or applicability of information collected compared to the original monitoring plan without changing conformity with the relevant rules and regulations for the establishment of monitoring plans?	Not applicable	Not applicable	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?	The implementation of data collection procedures, including the quality control and quality assurance procedures, is in accordance with the monitoring plan.	OK	OK
101 (b)	Is the function of the monitoring equipment, including its calibration status, is in order?	The function of the monitoring equipment, including its calibration status, is in order. **CL 02**. Please, provide the verification team with the documents relating to crop areas of enterprise.	**CL 02**	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	The evidence and records used for the monitoring are maintained in a traceable manner. **CAR 06**. Please, provide information relating to storage of data necessary for the monitoring.	**CAR 06**	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
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. The verification team confirms the effectiveness of the existing management and operating systems and considers them suitable for reliable monitoring of the project.	OK	OK
Verification regarding programs of activities (additional elements for assessment)				
102	Is any JPA that has not been added to the JI PoA not verified?	Not applicable	Not applicable	Not applicable
103	Is the verification based on the monitoring reports of all JPAs to be verified?	Not applicable	Not applicable	Not applicable
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	Not applicable	Not applicable	Not applicable
104	Does the monitoring period not overlap with previous monitoring periods?	Not applicable	Not applicable	Not applicable
105	If the AIE learns of an erroneously included JPA, has the AIE informed the JISC of its findings in writing?	Not applicable	Not applicable	Not applicable
Applicable to sample-based approach only				

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
106	Does the sampling plan prepared by the AIE: (a) Describe its sample selection, taking into account that: (i) For each verification that uses a sample-based approach, the sample selection shall be sufficiently representative of the JPAs in the JI PoA such extrapolation to all JPAs identified for that verification is reasonable, taking into account differences among the characteristics of JPAs, such as: − The types of JPAs; − The complexity of the applicable technologies and/or measures used; − The geographical location of each JPA; − The amounts of expected emission reductions of the JPAs being verified; − The number of JPAs for which emission reductions are being verified; − The length of monitoring periods of the JPAs being verified; and − The samples selected for prior verifications, if any?	Not applicable	Not applicable	Not applicable

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
107	Is the sampling plan ready for publication through the secretariat along with the verification report and supporting documentation?	Not applicable	Not applicable	Not applicable
108	Has the AIE made site inspections of at least the square root of the number of total JPAs, rounded to the upper whole number? If the AIE makes no site inspections or fewer site inspections than the square root of the number of total JPAs, rounded to the upper whole number, then does the AIE provide a reasonable explanation and justification?	Not applicable	Not applicable	Not applicable
109	Is the sampling plan available for submission to the secretariat for the JISC's ex ante assessment? (Optional)	Not applicable	Not applicable	Not applicable
110	If the AIE learns of a fraudulently included JPA, a fraudulently monitored JPA or an inflated number of emission reductions claimed in a JI PoA, has the AIE informed the JISC of the fraud in writing?	Not applicable	Not applicable	Not applicable

Table 2. Resolution of Corrective Action and Clarification Requests

Draft report clarifications and corrective action requests by verification team	Ref. to checklist question in table 1	Summary of project participant response	Verification team conclusion
CAR 01. The name of the project specified in MR doesn't meet The LOA.	90	The name of the project is "Reduction of greenhouse gas emissions by application of No-till technology at Private Joint Stock Company "Rise-Maksymko"/	The issue is closed as necessary corrections were made.
CAR 02. In Section A.2. of MR mistakenly noted that letter of approval granted by the Government of Switzerland.	90	The project received approval from Estonia, country participant (Letter of Approval, issued by the Ministry of the Environment of Estonia).	The issue is closed as necessary corrections were made.
CAR 03. In Section A.3. of the MR the year when the farm began to use No-till technology for crop growing is incorrect.	92	In 2005 the Farm started to grow crops applying No-till technology.	The issue is closed as necessary corrections were made.
CAR 04. The amount of hectares of project lands is incorrect in Table 2 of the MR.	93	The Table 2 is redone. See MR version 02.	The issue is closed as necessary corrections were made.
CAR 05. The historical data period is specified incorrectly in Section D.1.2.	95 (a)	The content of humus in the soil in the baseline scenario is calculated using historical data over a five-year period.	The issue is closed as necessary corrections were made.

CAR 06. Please, provide information relating to storage of data necessary for the monitoring.	101 (c)	The data subject to monitoring and required for the determination and further verification are archived and stored in paper and electronic form at Private Joint Stock Company “Rise-Maksymko” for two years after the transfer of emission reduction units generated by the project.	The information was provided, the issue is closed.
CL 01. Please, provide a documentation confirming the measuring of humus content in the soil to verification team.	95 (b)	Relevant documents were provided to the verification team.	Relevant documents were verified. The issue is closed.
CL 02. Please, provide the verification team with the documents relating to crop areas of enterprise.	101 (b)	Relevant documents were provided to the verification team.	Relevant documents were verified. The issue is closed.