



VERIFICATION REPORT

“COMPANY “MT-INVEST” LTD

VERIFICATION OF THE
“IMPLEMENTATION OF ENERGY EFFICIENCY
MEASURES IN ENTERPRISES OF “AGRARIAN
HOLDING AVANGARD”
INITIAL AND 1ST PERIODIC
FOR PERIOD FROM 01 JANUARY 2008
TO 30 NOVEMBER 2012

REPORT No. UKRAINE-VER/0553/2012

REVISION No. 02

BUREAU VERITAS CERTIFICATION



VERIFICATION REPORT

Date of first issue: 14/12/2012	Organizational unit: Bureau Veritas Certification Holding SAS
Client: Company "MT-Invest" LTD	Client ref.: Mr. Falendysh Yaroslav

Summary:

Bureau Veritas Certification has made the initial and 1st periodic verification of the "Implementation of energy efficiency measures in enterprises of "Agrarian Holding Avangard", project of "Company "MT-Invest" LTD located in 14 regions of Ukraine and applying JI specific approach, on the basis of UNFCCC criteria for the JI, as well as criteria given to provide for consistent project operations, monitoring and reporting. UNFCCC criteria refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

The verification scope is defined as a periodic independent review and ex post determination by the Accredited Entity of the monitored reductions in GHG emissions during defined verification period, and consisted of the following three phases: i) desk review of the 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 (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 without material misstatements, and the ERUs issued totalize 4813005 tonnes of CO₂ equivalent for the monitoring period from 01/01/2008 to 30/11/2012.

Our opinion relates to the project's GHG emissions and resulting GHG emission reductions reported and related to the approved project baseline and monitoring, and its associated documents.

Report No.: UKRAINE-ver/0553/2012	Subject Group: JI
Project title: "Implementation of energy efficiency measures in enterprises of "Agrarian Holding Avangard"	
Work carried out by: Rostislav Topchiy – Team Leader, Lead Verifier Vitaliy Minyaylo – Team Member, Verifier Iulia Pynova – Team Member, Technical Expert	
Work reviewed by: Ivan Sokolov – Internal Technical Reviewer Sergii Verteletskiy – Technical Expert	
Work approved by: Ivan Sokolov – Operational Manager	
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1 INTRODUCTION

“Company “MT-Invest” LTD has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project “Implementation of energy efficiency measures in enterprises of “Agrarian Holding Avangard” (hereafter called “the project”) at the 14 regions of 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 and/or corrective actions may provide input for improvement of the project monitoring towards reductions in the GHG emissions.

1.3 Verification Team

The verification team consists of the following personnel:

Topchiy Rostislav
Bureau Veritas Certification, Team Leader, Climate Change Lead Verifier

Minyaylo Vitaliy
Bureau Veritas Certification, Team Member, Climate Change Verifier



Iulia Pylnova
Bureau Veritas Certification, Team Member, Technical Expert

This verification report was reviewed by:

Ivan Sokolov
Bureau Veritas Certification, Internal Technical Reviewer

Sergii Verteletskiy
Bureau Veritas Certification, Technical Expert

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 “Company “MT-Invest” LTD and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Guidance on criteria for baseline setting and monitoring, Host party criteria, Kyoto Protocol, Clarifications on Verification Requirements to be Checked by an Accredited Independent Entity were reviewed.

The verification findings presented in this report relate to the Monitoring Report version 1.0 of 29/11/2012, version 2.0 of 11/12/2012 and project as described in the determined PDD.



2.2 Follow-up Interviews

On 07/12/2012 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 LLC “Agrarian Holding Avangard”, Public Joint Stock Company Agricultural Company “Avis”, Public Joint Stock Company “Kross-Poultry farm “Zorya”, Limited Liability Company “Trading house “Bogodukhivska Poultry Farm” and “Company “MT-Invest” LTD were interviewed during site visit (see References for the list of interviewed persons). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
LLC “Agrarian Holding Avangard”, Public Joint Stock Company Agricultural Company “Avis”, Public Joint Stock Company “Kross-Poultry farm “Zorya”, Limited Liability Company “Trading house “Bogodukhivska Poultry Farm”	<ul style="list-style-type: none"> ➤ Organizational structure ➤ Responsibilities and authorities ➤ Roles and responsibilities for data collection and processing ➤ Installation of equipment ➤ Data logging, archiving and reporting ➤ Metering equipment control ➤ Metering record keeping system, database ➤ Training of personnel ➤ Quality management procedures and technology ➤ Internal audits and check-ups
Consultant: “Company “MT-Invest” LTD	<ul style="list-style-type: none"> ➤ Monitoring plan ➤ Monitoring report ➤ Deviations from PDD ➤ ERUs calculation model

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 03 Corrective Action Requests and 14 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

It was verified the implementation of corrective action to CAR 08 from the determination. Corrective actions were implemented - Letters of Approval were shown. CAR 08 was closed.

3.2 Project approval by Parties involved (90-91)

Written project approval by the Host Party (Ukraine) has been issued by State Environmental Investment Agency of Ukraine #3666/23/7 dated



28/11/2012, Declaration of Approval by The Netherlands #2012JI63 dated 28/11/2012 has been issued by Ministry of Economic Affairs, Agriculture and Innovation, when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines, at the latest.

The abovementioned written approvals is unconditional.

3.3 Project implementation (92-93)

The project aims at achieving of the greenhouse gas emissions reduction by decreasing of specific energy consumption at enterprises of “Agrarian Holding Avangard”, and improving of production waste management practice (chicken manure).

The project generates GHG emission reductions through the improving and modernization of waste disposal practice and by decreasing specific energy consumption at 21 enterprises and their units (total amount is 30) included into LLC “Agrarian Holding Avangard” and the project boundaries.

In the project scenario a large-scale modernization of enterprises is taking place, along with replacing equipment that is selected based on its technical specifications in terms of power consumption and ability to optimize its performance under particular conditions at a facility. When choosing the equipment, such additional features as drying of manure at the stage of its collection in the floor house and its transportation by belt conveyor are also taken into account. Therefore, the derived manure is drier, but after the addition of dry biomass its water content gets to level as it gets while storing in solid substance. At the facilities where the amount of manure produced per day is small, the shift to the method of removing to the fields is occurring. While being distributed into small portions, the chicken manure decomposes quite quickly, when turning into valuable fertilizer, thus the high level of its aeration is ensured, due to which anaerobic fermentation and the appropriate allocation of methane is being significantly reduced. At the new facilities with great capacity, received manure in solid form is subjected to composting, during which a mixture of litter and manure from time to time is being stirred to ensure better access of oxygen. Microbiologic specimens may be added in order to accelerate decomposition of chicken manure to substances that can be easily assimilated by plants. The resulting product is ready for use as a fertilizer; it has no strong odor and does not pollute groundwater with infiltrate.



Under the program of modernization and reconstruction the following actions were realized:

- Energy supply schemes optimization;
- Pumping, compressing and climate equipment modernization, including engines replacement;
- Lighting systems renovation, including replacement of light bulbs with the energy efficient lamps;
- The use of integrated control systems in all production facilities to automate the production process.
- Shift to solid chicken manure storage practice at the farms that used to store manure in liquid form.
- Shift to composting or daily removal of chicken manure to the fields at small-capacity farms with a relatively small amount of manure produced; or at those farms where arising from the aspects of technological process (less frequent removal of manure from a floor house or litter use), solid manure storage was applied in practice.

The project was initiated at the beginning of 2007, when the “Avangard” Holding Company has been established. The general strategic modernization program was applied, which adjusted with the specific conditions of production process. Implementation of the basic program activity took place during 2007-2009, although implementation of some measures continued even in 2010-2011.

Based on provided materials, there is known that all project equipments were operational in the reporting period.

The identified areas of concern as to Project implementation, project participants response and BV Certification’s conclusion are described in Appendix A Table 2 (refer to CL 01, CL 02).

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 annual methane conversion factor for uncovered anaerobic lagoons, annual methane conversion factor for solid storage, annual methane conversion factor for daily removal to the fields, annual methane conversion factor for composting, global warming potential for methane, methane density, maximum potential of methane generation from manure, amount of volatile solids generated from manure, methane emission factor for collection,



storage and use of chicken manure using uncovered anaerobic lagoons, methane emission factor for collection, storage and use of chicken manure for solid storage, methane emission factor for collection, storage and use of chicken manure for daily removal to the fields, methane emission factor for collection, storage and use of chicken manure for composting, electricity consumption by poultry farm, average number of birds permanently kept at poultry farm, indirect specific carbon dioxide emissions in the period of consumption of electricity by consumers which are classified as 2nd class 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 Farms records, Statistics of LLC “Agrarian Holding Avangard”, Public Joint Stock Company Agricultural Company “Avis”, Public Joint Stock Company “Kross-Poultry farm “Zorya”, Limited Liability Company “Trading house “Bogodukhivska Poultry Farm”, IPCC Guidelines for National Greenhouse Gas Inventories, National Inventory Report of Ukraine for 1990-2010 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 Compliance of the monitoring plan with the monitoring methodology, project participants response and BV Certification’s conclusion are described in Appendix A Table 2 (refer to CAR 01, CAR 02, CL 03, CL 04, CAR 03, CL 05, CL 06, CL 07, CL 08, CL 09).

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.



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The proposed project involves three functional types of production facilities: egg-laying hen's farm, grow-out farms and breeder farms. Specific electricity consumption on egg-laying hens farms is calculated per unit of production – eggs, and for grow-out farms and breeder farms – per conventional head of bird permanently kept at the farm (taking into account poultry account age and sex-specific structure). In cases when the enterprise involved in the project unites different production facilities, specific electricity consumption is calculated separately for each of them (egg-laying hen's farm, grow-out farms and breeder farms). Such facilities get their specific identification numbers.

All data will be archived electronic and paper. Data acquisition and processing procedure for each parameter monitored:

- Electricity consumption by poultry farm. This parameter is documented in the monthly invoices for the electric energy. The documents are collected every month by the responsible person. The documents obtained are collected by the economics department on a monthly basis. The paper originals are binded into the special folder. Data on the electricity and identification parameter of each individual document are logged into the electronic register that is maintained at the head office of the company. The IT and data storage system containing this information at the head office has back-ups and allows for reliable data storage with virtually no chance of data loss. This log is printed and bound as a reference into the same folder with the original documents. At the same time the responsible person maintains an independent account of the monitoring data. At the end of the month the summarizing report is prepared containing the information on the monthly monitored data. This report is signed by the responsible person and is submitted to the director of the company. At the end of the year the annual summarizing report is prepared for all monitoring parameters containing monthly and annual figures. This report is submitted to the director of the company. These reports are kept in electronic form in the IT system of the company and in paper form with signatures of the responsible persons.
- Average number of birds permanently kept at the poultry farm. Technical reports (in the absence – accounting data and statistical reports) are used in order to confirm the average number of birds permanently kept at the poultry farm. The documents obtained are collected by the economics department on a monthly basis. The paper originals are binded into the special folder. Data on the average number of birds permanently kept at the poultry farm and identification parameter of each individual document are logged into the electronic register that is maintained at the head office of the company. The IT and data storage system containing this information at the head office has back-ups and allows for reliable data storage with virtually no chance of data loss. This log is printed



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and binded as a reference into the same folder with the original documents. At the same time the responsible maintains an independent account of the monitoring data. At the end of the month the summarizing report is prepared containing the information on the monthly monitored data. This report is signed by the responsible person and is submitted to the director of the company. At the end of the year the annual summarizing report is prepared for all monitoring parameters containing monthly and annual figures. This report is submitted to the director of the company. These reports are kept in electronic form in the IT system of the company and in paper form with signatures of the responsible persons.

- Number of eggs produced at the poultry farm. Technical reports (in the absence – accounting data and statistical reports) are used in order to confirm the number of eggs produced at the poultry farm. The person in charge collects the documents on the number of eggs produced. The documents obtained are collected by the economics department on a monthly basis. The paper originals are binded into the special folder. Data on the number of eggs and identification parameter of each individual document are logged into the electronic register that is maintained at the head office of the company. The IT and data storage system containing this information at the head office has back-ups and allows for reliable data storage with virtually no chance of data loss. This log is printed and binded as a reference into the same folder with the original documents. At the same time the responsible person maintains an independent account of the monitoring data. At the end of the month the summarizing report is prepared containing the information on the monthly monitored data. This report is signed by the responsible person and is submitted to the director of the company. At the end of the year the annual summarizing report is prepared for all monitoring parameters containing monthly and annual figures. This report is submitted to the director of the company. These reports are kept in electronic form in the IT system of the company and in paper form with signatures of the responsible persons.

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

Measurement equipment calibration was carried out by regional authorized representatives of the State Metrological System of Ukraine.

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 general project management will be implemented by the Director of LLC “Agrarian Holding Avangard” through supervising and coordinating activities of his subordinates, including executives of each project farm. To determine the GHG emissions within the project (the baseline and project scenarios) internal standard of data reporting were used, which are collected and processed independently of the joint implementation project for commercial purposes of the company, using the rules and procedures for collecting, processing and carrying out the cross-checks. On-site day-to-day management is implemented by the directors of the relevant farms. Chief Energy Officer is responsible for operation and maintaining of the energy equipment, electrical meters and transformers. A specialised technician teams are responsible for preventive measures and maintenance of all technological equipment. The raw reporting documents are collected and compiled on-site. Data are entered into the computer system, and raw documents are transferred to the company archive.

Main responsibilities are divided as follows:

- Production Manager is responsible for acquiring data on the number of eggs produced at the poultry farm for each period, average number of birds permanently kept at the poultry farm for the period and electricity consumption by the farm for the relevant period. Then, he transfers raw documents on these data into the archive and prepares monthly report on the performances indicated;
- Electronic versions of monitoring databases are sent to the responsible person from the management of LLC “Agricultural Holding Avangard” (Director, or other person designated by the order), which prepares the common base of values of monitoring parameters to be transferred to the consultant for development of joint implementation projects for the calculation of emission reduction and preparation of monitoring reports;
- Production Manager and Accounting department of each farm are responsible for acquiring data in the form of raw documents and reports on monitoring parameters. They transfer raw documents on these data into the archive and prepare monthly reports on the parameters to be monitored.

Documents and reports on the data that are monitored will be archived and stored by the project participants. The following documents will be stored: primary documents for the accounting of monitored parameters in paper form; intermediate reports, orders and other monitoring documents in paper and electronic form; documents on measurement devices in paper and electronic form. These documents and other data monitored and required for determination and verification, as well as any other data



that are relevant to the operation of the project will be kept for at least two years after the last transfer of ERUs.

All exceptional and troubleshooting events are documented by internal notes. As the data monitored to calculate emission reductions are also used in the commercial dealings of the company, significant errors or uncertainties in the data collected are not expected.

In cases if any errors, fraud or inconsistencies will be identified during the monitoring process special commission will be appointed by project host management that will conduct a review of such case and issue an order that must also include provisions for necessary corrective actions to be implemented that will ensure such situations are avoided in future.

The identified areas of concern as to Data management, project participants response and BV Certification's conclusion are described in Appendix A Table 2 (refer to CL 10, CL 11, CL 12, CL 13, CL 14).

3.7 Verification regarding programmes of activities (102-110)

Not applicable.

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the initial and 1st periodic verification of the project "Implementation of energy efficiency measures in enterprises of "Agrarian Holding Avangard" located in 14 regions of Ukraine, which applies the 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 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 the project is responsible for the preparation of the GHG emissions data on the basis set out within the project Monitoring Plan indicated in the final PDD version, as well as maintenance of records and reporting procedures in accordance with that plan. Project Developer is responsible for calculation and determination of GHG emission reductions from the project and the reported GHG emissions reductions of the project.



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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 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 30/11/2012

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

Baseline emissions	: 773 504 tonnes of CO ₂ equivalent.
Project emissions	: 98 432 tonnes of CO ₂ equivalent.
Emission Reductions	: 675 072 tonnes of CO ₂ equivalent.

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

Baseline emissions	: 1 094 581 tonnes of CO ₂ equivalent.
Project emissions	: 110 016 tonnes of CO ₂ equivalent.
Emission Reductions	: 984 565 tonnes of CO ₂ equivalent.

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

Baseline emissions	: 1 446 752 tonnes of CO ₂ equivalent.
Project emissions	: 126 292 tonnes of CO ₂ equivalent.
Emission Reductions	: 1 320 460 tonnes of CO ₂ equivalent.

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

Baseline emissions	: 1 568 959 tonnes of CO ₂ equivalent.
Project emissions	: 128 046 tonnes of CO ₂ equivalent.
Emission Reductions	: 1 440 913 tonnes of CO ₂ equivalent.

For the period from 01/01/2012 to 30/11/2012

Baseline emissions	: 479 551 tonnes of CO ₂ equivalent.
Project emissions	: 87 556 tonnes of CO ₂ equivalent.
Emission Reductions	: 391 995 tonnes of CO ₂ equivalent.



Total for the period from 01/01/2008 to 30/11/2012

Baseline emissions	:5 363 347 tonnes of CO ₂ equivalent.
Project emissions	: 550 342 tonnes of CO ₂ equivalent.
Emission Reductions	:4 813 005 tonnes of CO ₂ equivalent.



5 REFERENCES

Category 1 Documents:

Documents provided by “Company “MT-Invest” LTD that relate directly to the GHG components of the project.

- /1/ Monitoring Report, version 1.0, dated 29 November 2012.
- /2/ Monitoring Report, version 2.0, dated 11 December 2012.
- /3/ Project Design Document, version 2.0, dated 01 October 2012.
- /4/ Letter of Approval from State Environmental Investment Agency of Ukraine # 3666/23/7 dated 28/11/2012.
- /5/ Letter of Approval by Ministry of Economic Affairs, Agriculture and Innovation of The Netherlands #2012JI63 dated 28/11/2012.
- /6/ Excel spreadsheet of the emission reductions calculation version
- /7/ Determination and Verification Manual, version 01.

Category 2 Documents:

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

#	Name of document
1.	Letter of support №2678/23/7 of 20.09.2012 the project «Implementation of energy saving measures in the business of «Agricultural Holding Avangard». State Environmental Investment Agency of Ukraine
2.	Report of 12.01.2009 on average number of birds normally kept at poultry farms in 2008
3.	Report of 15.01.2010 on average number of birds normally kept at poultry farms in 2009
4.	Report of 13.01.2011 on average number of birds normally kept at poultry farms in 2010
5.	Report of 14.01.2012 on average number of birds normally kept at poultry farms in 2011
6.	Report on average number of birds normally kept at poultry farms in 2012 (01.01.2012-30.11.2012)
7.	Report of 12.01.2009 on obtained number of eggs in poultry farms in 2008
8.	Report of 15.01.2010 on the obtained number of eggs in poultry farms in 2009
9.	Report of 12.01.2011 on obtained number of eggs in poultry farms in 2010



10.	Report of 14.01.2012 on obtained number of eggs in poultry farms in 2011
11.	Report on obtained number of eggs in 2012 (01.01.2012-30.11.2012)
12.	Report of 12.01.2009 on electricity consumption by holding «Avangard» in 2008
13.	Report of 15.01.2010 on electricity consumption by holding «Avangard» in 2009
14.	Report of 14.01.2011 on electricity consumption by holding «Avangard» in 2010
15.	Report of 12.01.2012 on electricity consumption by holding «Avangard» in 2011
16.	Report on electricity consumption by holding «Avangard» in the first half of 2012 (01.01.2012-30.11.2012)
17.	Order №127 of 12.01.2006 «On establishment of a working group on strategic modernization of enterprises holding Avangard. Ltd. «Cross»
18.	Strategic modernization program production companies holding «Avangard» in "Poultry". Ltd «Cross». 2007
19.	Act readiness of new and rebuilt equipment for operation №1 of 12.12.2007
	Agricultural Limited Liability Company «Donetsk birds»
20.	Permission №1421586801-78 on pollutants emissions into the atmosphere by stationary sources (26.06.2009-26.06.2014)
21.	Permission №07.33 of 22.06.2011 to waste in 2012
22.	Permission №07.32 of 24.06.2010 to waste in 2011
23.	Letter №765 of 10.08.2012 «On the form of statistical reporting 1-VT «waste», 2-TP «Air»
24.	Protocol № 21 test knowledge of energy
25.	Protocol № 19/12-1 of 13.04.2012 commission meeting to test knowledge on safety
26.	Certificate of verification of knowledge on health №433 Naretya A.M. – Director
27.	Certificate of verification of knowledge on health №434 Gyrchak V.I. – Chief Power Engineer
28.	Certificate of verification of knowledge on health №435 Bunchuk S.V. - Engineer for safety
29.	Certificate of verification of knowledge on health №436 Hordynsky P.A. - Chief Agronomist
30.	Certificate of verification of knowledge on health №437 Karakai O.V. - Chief Technologist
31.	Certificate of verification of knowledge on health number 438 Hmelyar V.P. - Chief Engineer
32.	Certificate of verification of knowledge on health number 439 Kvas M.V. - Chief Mechanic
33.	List of electric meters



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34.	Passport. Electricity meter NIK 2301 AK1 №0407385 Subsidiary Poultry farm «Lozuvatska» of Public Joint Stock Company with limited liability «Avangardko investment public limited»
35.	Permission №1221800000-4 on pollutants emissions into the atmosphere by stationary sources (04.04.2007-05.04.2012)
36.	Permission №210 of 27.06.2005 to waste in 2006
37.	Limits №123 on generation and disposal of waste in 2011
38.	Limits №228 on generation and disposal of waste in 2010
39.	Limits №425 on generation and disposal of waste in 2009
40.	Limits №217 on generation and disposal of waste in 2008
41.	Limits №193 on generation and disposal of waste in 2007
42.	Limits №210 on generation and disposal of waste in 2006
43.	Report on air protection form 2-TP «air» in 2006
44.	Report on air protection form 2-TP «air» in 2007
45.	Report on air protection form 2-TP «air» in 2008
46.	Report on air protection form 2-TP «air» in 2009
47.	Report on air protection form 2-TP «air» in 2010
48.	Letter №386 of 13.08.2012 «The form of statistical reporting 1-VT «waste» and «Assessing the impact on the environment»
49.	Protocol №42 of 15.12.2011 Commission meeting on testing of the safety
50.	Protocol №44 of 16.12.2011 Commission meeting on testing of the safety
51.	Protocol №45 of 16.12.2011 Commission meeting on testing of the safety
52.	Protocol №43 of 15.12.2011 Commission meeting on testing of the safety
53.	List of electric meters
54.	Passport. Electricity meter «Energia-9» №47119
55.	Passport. Electricity meter NIK 2303 APK1 №0168359 Public Joint Stock Company «Poultry farm «Chervony Prapor»
56.	Permission №91567 on pollutants emissions into the atmosphere by stationary sources (29.12.2005-31.12.2006)
57.	Permission №91567 on pollutants emissions into the atmosphere by stationary sources (17.11.2006-30.12.2009)
58.	Permission №4423684404-2 on pollutants emissions into the atmosphere by stationary sources (20.03.2009-20.03.2019)
59.	Permission №18.30 of 27.09.2004 to waste in 2005
60.	Permission №18.30 of 22.09.2005 to waste in 2006
61.	Permission №18.30 of 30.10.2006 to waste in 2007
62.	Permission №18.30 of 18.06.2007 to waste in 2008
63.	Permission №18.30 of 29.08.2008 to waste in 2009
64.	Limits №18.30 on generation and disposal of waste in 2005

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65.	Limits №18.30 on generation and disposal of waste in 2006
66.	Limits №18.30 on generation and disposal of waste in 2007
67.	Limits №18.30 on generation and disposal of waste in 2008
68.	Limits №18.30 on generation and disposal of waste in 2009
69.	Limits №18.30 on generation and disposal of waste in 2010
70.	Limits №18.30 on generation and disposal of waste in 2011
71.	Report on air protection form 2-TP «air» in 2006
72.	Report on air protection form 2-TP «air» in 2007
73.	Report on air protection form 2-TP «air» in 2008
74.	Report on air protection form 2-TP «air» in 2009
75.	Report on air protection form 2-TP «air» in 2010
76.	Protocol №13 of 28.04.2012 Commission meeting on testing of the safety
77.	Protocol №14 of 28.04.2012 Commission meeting on testing of the safety
78.	Protocol of 03.06.2010 Commission meeting on testing of the safety
79.	List of electric meters
80.	Act / replace / technical verification settlement metering in electrical systems above 1000 V
	PJSC «Avangard»
81.	List of electric meters
82.	Passport. Electricity meter NIK 2301 AP1 №0799223
83.	Act of 04.07.2012 technical verification unit of electric energy
84.	Act of 21.03.2012 technical verification unit of electric energy
	Private Joint Stock Company «Chernivetska Poultry farm»
85.	Permission №7321080501-563 on pollutants emissions into the atmosphere by stationary sources (14.04.2010-14.04.2015)
86.	Permission №7321080501-563a amending Permit №7321080501-563 on pollutants emissions into the atmosphere by stationary sources (27.02.2012-14.04.2015)
87.	Permission №3/40 to waste in 2011
88.	Permission №3/21 to waste in 2010
89.	Letter №08-08/1 of 08.08.2012 «The electric meter commercial account»
90.	Act of 21.07.2011 inspection unit and replacement of electric meter
	Public Joint Stock Company Agricultural Company «Avis»
91.	Permission №6822481801-23 on pollutants emissions into the atmosphere by stationary sources (02.04.2012-09.07.2015)
92.	Permission №6821280401-1 on pollutants emissions into the atmosphere by stationary sources (09.07.2009-09.07.2015)



93.	Permission №002333 for special use (02.12.2009-02.12.2014)
94.	Permission №6812588 of 16.02.2012 to waste in 2012
95.	Limits on generation and disposal of waste in 2010
96.	Report on air protection form 2-TP «air» in 2005
97.	Report on air protection form 2-TP «air» in 2006
98.	Report on air protection form 2-TP «air» in 2007
99.	Report on air protection form 2-TP «air» in 2009
100.	Report on air protection form 2-TP «air» in 2010
101.	Report on air protection form 2-TP «air» in 2011
102.	Form №1-VT «Accounting waste» in 2005
103.	Form №1-VT «Accounting waste» in 2006
104.	Form №1-VT «Accounting waste» in 2007
105.	Form №1-VT «Accounting waste» in 2008
106.	Form №1-VT «Accounting waste» in 2009
107.	Form №1-VT «Accounting waste» in 2010
108.	Form №1-VT «Accounting waste» in 2011
109.	Working draft for 3 million poultry chicken egg breeds cattle industry (industrial zone cultivation hens egg herd breeds) AT agrofirma "AVIS" p. Gumentsy Kamenetz-Podolsk district Khmelnytsky region. Section 4.0 Impact Assessment (EIA). Ltd. «Construction Alliance»"
110.	List of electric meters
111.	Passport. Electricity meter NIK 2303 APT2T №0057155
	Limited Liability Company «Areal-Snigurivka»
112.	Permission №4825710100-10 on pollutants emissions into the atmosphere by stationary sources (10.12.2009-10.12.2014)
113.	Permission №20.16/09 of 22.04.2009 to waste in 2009
114.	Permission №20.16/10 of 02.11.2009 to waste in 2010
115.	Permission №20.16/11 of 12.08.2010 to waste in 2011
116.	Permission №20.16/12 of 10.04.2012 to waste in 2012
117.	Act №1432 of 19.10.2011 technical inspection (replacement) Metering the networks above 1000 V
	Public Joint Stock Company «Chornobayivske»
118.	Permission №6510136300-93 on pollutants emissions into the



	atmosphere by stationary sources (27.04.2010-27.04.2015)
119.	Permission №324 to waste in 2009
120.	Permission №298 to waste in 2010
121.	Permission №07-14/9-2725 to waste in 2011
122.	Permission №07-13/7-5004 of 20.12.2011 to waste in 2012
123.	Limits on generation and disposal of waste in 2009
124.	Limits on generation and disposal of waste in 2010
125.	Limits on generation and disposal of waste in 2011
126.	Limits on generation and disposal of waste in 2012
127.	Report on air protection form 2-TP «air» in 2010
128.	Report on air protection form 2-TP «air» in 2011
129.	Waste form №1 «waste» in 2011
130.	List of electric meters
131.	Passport. Electricity meter NIK 2303 APK1 №0054953
132.	Passport. Electricity meter NIK 2303 APK1 №0105928
133.	Passport. Electricity meter CA4-195 №182026
	Limited Liability Company «Slov'yany»
134.	Impacts on the environment. Reconstruction MTF in breeding poultry per 100000 heads of hens with the prospect of expanding to 150000 heads in the Makariv district of Kiev region. A platform №1 at 90000 heads of poultry Heifer parent herd. UkrNDIagroproekt. 2001
135.	Permission №593-6 of 02.09.2011 to waste in 2012
136.	Report on air protection form 2-TP «air» in 2011
137.	Protocol №13 of 06.04.2012 Commission meeting on testing of the safety
138.	Protocol testing energy meters (TSU6800 №91007)
	Limited Liability Company «Makarivsk Birds»
139.	Impacts on the environment. Reconstruction of the existing facilities of the former complex feeding cattle in poultry egg direction for keeping laying hens in Makariv Kiev region. Ltd. «KINFO-ECO». Kyiv. 2011
140.	Report on air protection form 2-TP «air» in 2010
141.	Report on air protection form 2-TP «air» in 2011

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142.	Protocol №58 of 24.11.2011 Commission meeting on testing of the safety
143.	Register of induction on safety
144.	Register of briefing on fire safety
145.	Passport. Electricity meter «Alfa A1140» №05019277
	Public Joint Stock Company «Kirovskiy»
146.	Permission №8-8 of 08.02.2006 to waste in 2006
147.	Permission №8-2 of 19.06.2007 to waste in 2008
148.	Permission №8-19 of 24.11.2008 to waste in 2009
149.	Permission №8-18 of 29.07.2009 to waste in 2010
150.	Permission №8-31 of 28.10.2010 to waste in 2011
151.	Permission №8-7 of 08.05.2012 to waste in 2013
152.	Report on air protection form 2-TP «air» in 2011
153.	Report on the inventory of emissions of pollutants. PE CES «Ecobespeka». Kirovograd. 2009
154.	Register №1 training on safety, fire safety, administrative staff, management, engineers and specialists. 2011
155.	Register №3 training on safety, fire safety. 2011
156.	Register №4 exercises on safety, fire safety and operating instructions. 2011
157.	Register №5 exercises on safety, fire safety and safety of workers motor park. 2011
158.	The training program on safety, fire safety, occupational health and safety of workers
159.	Protocol №3 of 28.01.2011 Commission meeting on testing of the safety
160.	Protocol №109 of 27.06.2012 Commission meeting on testing of the safety
161.	The act of carrying out work on the control of inspection records
	Agribusiness Farm LLC «Yuzhnaya-Holding»
162.	Permission №110166000/42 on pollutants emissions into the atmosphere by stationary sources (21.07.2008-30.09.2013)
163.	Permission №1130 of 19.08.2009 to waste in 2010
164.	Permission №1130 of 31.05.2011 to waste in 2012



165.	Limits №1130 on generation and disposal of waste in 2010
166.	Limits №1130 on generation and disposal of waste in 2012
	Limited Liability Company «Poultry farm «Volnovaska»
167.	Permission №1421587201-106 on pollutants emissions into the atmosphere by stationary sources (05.10.2010-05.10.2015)
168.	Permission №07.09 of 16.05.2012 to waste in 2013
169.	Report on air protection form 2-TP «air» in 2011
170.	Waste form №1 «waste» in 2011
171.	Plan of education on health officials from 20.02.2012
172.	Schedule and testing of employees in 2012
173.	Passport. Electricity meter NIK 2303 APK1 №0006517
	Private Research and Production Company «Interbusiness»
174.	Permission №1420980501-2 on pollutants emissions into the atmosphere by stationary sources (21.06.2010-21.06.2015)
175.	Report on air protection form 2-TP «air» in 2011
176.	Protocol №21 of 08.07.2011 Commission meeting on testing of the safety
177.	Protocol of the certification commission №42-12 of 22.06.2012
	Subsidiary «Rogatynska Poultry farm» of PJSC «Avangard»
178.	Permission №2624480802-1 on pollutants emissions into the atmosphere by stationary sources (03.05.2012-03.05.2017)
179.	Permission №149 of 30.12.2011 to waste in 2012
180.	Limits №149 on generation and disposal of waste in 2012
181.	Report on air protection form 2-TP «air» in 2007
182.	Report on air protection form 2-TP «air» in 2009
183.	Report on air protection form 2-TP «air» in 2011
184.	Protocol №7 of 05.05.2012 Commission meeting on testing of the safety
185.	Protocol №6 of 13.03.2012 Commission meeting on testing of the safety
186.	Passport. Electricity meter ZMD410CR44.0007.C2 №94679272
187.	Passport. Electricity meter ZMD410CR44.0007.C2 №94706079
	Public Joint Stock Company «Poultry farm «Pershe Travnya»

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188.	List of electric meters
189.	Passport. Electricity meter ACE6000 №55055569
	Limited Liability Company «Trading house «Bogodukhivska Poultry Farm»
190.	Permission №6322081001-79 on pollutants emissions into the atmosphere by stationary sources (28.04.2009-28.04.2014)
191.	Permission №1672 of 15.05.2006 to waste in 2006
192.	Permission №214 of 05.07.2006 to waste in 2007
193.	Permission №214 of 05.05.2008 to waste in 2008
194.	Permission №1480 of 25.03.2009 to waste in 2009
195.	Permission №413 of 20.08.2009 to waste in 2010
196.	Permission №1120 of 26.12.2011 to waste in 2012
197.	Limits on generation and disposal of waste in 2008
198.	Limits on generation and disposal of waste in 2009
199.	Limits on generation and disposal of waste in 2010
200.	Limits on generation and disposal of waste in 2012
201.	Impact Assessment (EIA). Delimitation of land for the service of production and administrative areas Bohodukhivska household farms in Protopopovskoho village council (overseas locality) Dergachivskyi district, Kharkiv region. NTPK «Ekoschyт» Kharkiv. 2009
202.	Protocol №584 of 16.12.2011 Commission meeting on testing of the safety
203.	Protocol №16 of 25.05.2012 Commission meeting on testing of the safety
204.	Passport. Electricity meter EPQS 122.09.04 №296478
	Public Joint Stock Company «Kross- Poultry farm «Zorya»
205.	Permission №6325183009-206 on pollutants emissions into the atmosphere by stationary sources (22.09.2010-22.09.2015)
206.	Report on air protection form 2-TP «air» in 2011
207.	Permission №421 of 21.07.2011 to waste in 2012
208.	Limits on generation and disposal of waste in 2012
209.	Waste form №1 «waste» in 2011
210.	Contract №114 of 01.10.2001 on the provision of water supply and drainage



211.	Protocol №1 of 06.07.2011 Commission meeting on testing of the safety
212.	Protocol №1 of 23.07.2011 Commission of Fire Safety
213.	Certificate №565 Yokysh Svetlana - engineer for safety
214.	List of electric meters
215.	Passport. Electricity meter NIK 2303 APT2T №0026549

**Persons interviewed:**

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

1. Sydoruk B.R. - Director of Public Joint Stock Company "Avangard"
2. Kobzey M.A - Chief Power Engineer of Public Joint Stock Company "Avangard"
3. Kobzey M.A - Chief Engineer (part time) of Public Joint Stock Company "Avangard"
4. Polot V.B. - Chief Technologist of Public Joint Stock Company "Avangard"
5. Riznichuk O.I. - Ecologist of Public Joint Stock Company "Avangard"
6. Tymofiev Yu.M. - Director of Public Joint Stock Company Agricultural Company "Avis"
7. Mosoryk O.S. - Chief Engineer of Public Joint Stock Company Agricultural Company "Avis"
8. Horash R.A. - Chief Power Engineer of Public Joint Stock Company Agricultural Company "Avis"
9. Guy A.I. - Chief Technologist of Public Joint Stock Company Agricultural Company "Avis"
10. Pukas V.I. - Chief mechanic of Public Joint Stock Company Agricultural Company "Avis"
11. Goncharenko N.A. – Director of Public Joint Stock Company "Kross-Poultry farm "Zorya"
12. Mamchenko V.Ya. – Chief Power Engineer of Public Joint Stock Company "Kross-Poultry farm "Zorya"
13. Tridyd A.G. - Chief Technologist of Public Joint Stock Company "Kross-Poultry farm "Zorya"
14. Goncharenko N.A. – Director of Limited Liability Company "Trading house "Bogodukhivska Poultry Farm"



15. Pokolodniy V.S. – Chief Power Engineer of Limited Liability Company “Trading house “Bogodukhivska Poultry Farm”
16. Biyaliaev O.V. - Chief Technologist of Limited Liability Company “Trading house “Bogodukhivska Poultry Farm”
17. Vasylieva N.V. - Environmental project manager of “Company “MT-Invest” LTD



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APPENDIX A: VERIFICATION PROTOCOL

BUREAU VERITAS CERTIFICATION HOLDING SAS

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?	DFP of The Netherlands have issued written project approval (LoA) when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines.	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 implementation plan is fully consistent with the registered PDD version 2.0 dated 01/10/2012 available through UNFCCC web-page. CL 01. Please, clarify why section A.2. is empty?	CL 01	OK
93	What is the status of operation of the project during the monitoring period?	Monitoring report indicated the current status of the project activity implementation. Based on provided materials, there is known that all project equipments were operational in the reporting period. CL 02. Please, explain at which stage of the implementation the project was in 2012. Were all the planned activities	CL 02	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		implemented and the installed equipment operational?		
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?	<p>Yes, monitoring occurs in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and verified changes and is so listed on the UNFCCC JI website.</p> <p>CAR 01. Monitoring report is dated 29/11/2012 which is earlier than the end of the monitoring period 30/11/2012.</p> <p>CAR 02. Please add clarification to the MR that in 2012 only 11 month are monitored, not the entire year.</p> <p>CL 03. In PDD tables D.1.1.1. and D.1.1.3. slightly different period of data collection is indicated used in calculation methodology than in the tables 9 and 10 of the MR. Please, explain these deviations from the determined PDD.</p>	<p>CAR 01</p> <p>CAR 02</p> <p>CL 03</p>	<p>OK</p> <p>OK</p> <p>OK</p>
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?	<p>All key factors influencing the baseline emissions or net removals and the activity level of the project and the emissions or removals as well as risks associated with the project were taken into account, as appropriate for calculating the emission reductions or enhancements of net removals.</p> <p>CL 04. In the PDD parameters $B_{0,Ch}$ and VS_{Ch} are sourced from National Inventory Report for 1990-2009, while in the monitoring report they are sourced from National Inventory Report for 1990-2010. Please, explain these deviations from the monitoring plan.</p>	<p>CL 04</p>	<p>OK</p>
95 (b)	Are data sources used for calculating emission	Data sources used for calculating emission reductions, such		



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	reductions or enhancements of net removals clearly identified, reliable and transparent?	<p>as Farms records, Statistics of LLC "Agrarian Holding Avangard", Public Joint Stock Company Agricultural Company "Avis", Public Joint Stock Company "Kross-Poultry farm "Zorya", Limited Liability Company "Trading house "Bogodukhivska Poultry Farm", IPCC Guidelines for National Greenhouse Gas Inventories, National Inventory Report of Ukraine for 1990-2010 are clearly identified, reliable and transparent.</p> <p>CAR 03. Please provide reference to IPCC 2006 in English in the English version of the MR.</p>	CAR 03	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?	<p>Emission factors, including default emission factors are presented in Section B.2.1 of the MR. Values of the maximum potential of methane generation from manure and amount of volatile solids generated from manure are set according to the valid "National inventory report of Ukraine for 1990 – 2010".</p> <p>CL 05. Please, explain, why page 17 is empty?</p>	CL 05	OK
95 (d)	Is the calculation of emission reductions or enhancements of net removals based on conservative assumptions and the most plausible scenarios in a transparent manner?	<p>The calculation of emission reductions is based on conservative assumptions and the most plausible scenarios in a transparent manner.</p> <p>CL 06. Please, explain why electricity consumption in the 11 month of the 2012 at all factories was reduced in 2 times compared to 2011? (table 12).</p>	CL 06	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		<p>CL 07. Please, explain why actual average quantity of poultry heads of continuous handling (table 13) at the factories in the 11 month of the 2012 at all factories is fully correspondent to project values in the PDD (sheet «Chicken» in the Excel file to PDD) for the entire 2012?</p>	CL 07	OK
		<p>CL 08. Please, explain why actual quantity of eggs produced (table 14) at the factories in the 11 month of the 2012 at all factories is fully correspondent to project values in the PDD (sheet «Egg Production» in the Excel file to PDD) for the entire 2012?</p>	CL 08	OK
		<p>CL 09. Please, add Excel calculation file to the monitoring report.</p>	CL 09	OK
Applicable to JI SSC projects only				
96	Is the relevant threshold to be classified as JI SSC project not exceeded during the monitoring period on an annual average basis? If the threshold is exceeded, is the maximum emission reduction level estimated in the PDD for the JI SSC project or the bundle for the monitoring period determined?	N/a	N/a	N/a
Applicable to bundled JI SSC projects only				
97 (a)	Has the composition of the bundle not changed from that is stated in F-JI-SSCBUNDLE?	N/a	N/a	N/a
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the project participants submitted a common	N/a	N/a	N/a



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	monitoring report?			
98	If the monitoring is based on a monitoring plan that provides for overlapping monitoring periods, are the monitoring periods per component of the project clearly specified in the monitoring report? Do the monitoring periods not overlap with those for which verifications were already deemed final in the past?	N/a	N/a	N/a
Revision of monitoring plan				
Applicable only if monitoring plan is revised by project participant				
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	N/a	N/a	N/a
99 (b)	Does the proposed revision improve the accuracy and/or applicability of information collected compared to the original monitoring plan without changing conformity with the relevant rules and regulations for the establishment of monitoring plans?	N/a	N/a	N/a
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	All data necessary for the CO ₂ emission reductions calculation is collected. The scheme of data flow and a description of reporting procedures introduced in Monitoring report. The implementation of data collection procedures are in accordance with the monitoring plan included in the determined PDD. Position and roles of person in the GHG data management process are defined in the monitoring report and are	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		implemented on-site.		
101 (b)	Is the function of the monitoring equipment, including its calibration status, is in order?	<p>All monitoring equipments have calibration. It is calibrated with periodic frequency (passport states the calibration frequency for every device) according to the national regulations.</p> <p>During site visit verifiers received and reviewed passports and/or certificates on calibration of all measurement equipments.</p>	OK	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	<p>The evidence and records used for the monitoring are maintained on site of some devices and in responsible departments in a traceable manner.</p> <p>CL 10. Please, provide evidence of the quantity of poultry heads for the 11 month of 2012.</p> <p>CL 11. Please, provide evidence of the quantity of egg produced for the 11 month of 2012.</p> <p>CL 12. Please, provide evidence of electricity consumption for the 11 month of 2012.</p> <p>CL 13. In the Report of electricity consumption by the factories of Avangard Holding of Poultry division in 2011 dated 12/01/2012 are different values for 2011 that in the table 12 of the monitoring report. Please, explain this.</p>	<p>CL 10</p> <p>CL 11</p> <p>CL 12</p> <p>CL 13</p>	<p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p>
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 approved monitoring plan. Implementation of monitoring system was checked through site visit, and concluded that monitoring system is completely in accordance with the monitoring plan. This fact is also		



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		confirmed by the documents. CL 14. Please, provide the document proving that the data will be archived during project lifetime and 2 years after its end.	CL 14	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?	N/A	N/A	N/A
103	Is the verification based on the monitoring reports of all JPAs to be verified?	N/A	N/A	N/A
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	N/A	N/A	N/A
104	Does the monitoring period not overlap with previous monitoring periods?	N/A	N/A	N/A
105	If the AIE learns of an erroneously included JPA, has the AIE informed the JISC of its findings in writing?	N/A	N/A	N/A
Applicable to sample-based approach only				
106	Does the sampling plan prepared by the AIE: (a) Describe its sample selection, taking into account that: (i) For each verification that uses a sample-based approach, the sample selection shall be sufficiently representative of the JPAs in the JI PoA such extrapolation to all JPAs identified for that verification is reasonable, taking into account differences among the characteristics of JPAs, such as: - The types of JPAs;	N/A	N/A	N/A



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	<ul style="list-style-type: none"> - 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? 			
107	Is the sampling plan ready for publication through the secretariat along with the verification report and supporting documentation?	N/A	N/A	N/A
108	Has the AIE made site inspections of at least the square root of the number of total JPAs, rounded to the upper whole number? If the AIE makes no site inspections or fewer site inspections than the square root of the number of total JPAs, rounded to the upper whole number, then does the AIE provide a reasonable explanation and justification?	N/A	N/A	N/A
109	Is the sampling plan available for submission to the secretariat for the JISC.s ex ante assessment? (Optional)	N/A	N/A	N/A
110	If the AIE learns of a fraudulently included JPA, a fraudulently monitored JPA or an inflated number of emission reductions claimed in a JI PoA, has the AIE informed the JISC of the fraud in writing?	N/A	N/A	N/A



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Table 2 Resolution of Corrective Action and Clarification Requests

Draft report clarifications and corrective action requests by validation team	Ref. to checklist question in table 1	Summary of project participant response	Verification team conclusion
CL 01. Please, clarify why section A.2. is empty?	92	Section A.2 was filled in the MR version 2.0.	CL 01 is closed due to the amendments made in the MR.
CL 02. Please, explain at which stage of the implementation the project was in 2012. Were all the planned activities implemented and the installed equipment operational?	93	The planned activities in accordance with Strategic program for production modernization of the factories of the Avangard Holding of "Poultry" division were implemented completely.	Based on the information received, CL 02 is closed.
CAR 01. Monitoring report is dated 29/11/2012 which is earlier than the end of the monitoring period 30/11/2012.	94	Date of the monitoring report was changed in the MR version 2.0 dated 11/12/2012.	CAR 01 is closed due to the amendments made in the MR.
CAR 02. Please add clarification to the MR that in 2012 only 11 month are monitored, not the entire year.	94	Clarification that data in the tables are for 11 month of 2012 was added to MR version 2.0.	CAR 02 is closed due to the amendments made in the MR.
CL 03. In PDD tables D.1.1.1. and D.1.1.3. slightly different period of data collection is indicated used in calculation methodology than in the tables 9 and 10 of the MR. Please, explain these deviations from the determined PDD.	94	Tables 9 and 10 contain summed values for the corresponding years, obtained by the enterprises through continuous data collection with monthly sum ups. Calculation methodology of the monitoring plan allows calculating emissions for period of any length.	Based on the information received, CL 03 is closed.
CL 04. In the PDD parameters $B_{0,Ch}$ and VS_{Ch} are sourced from National Inventory Report for 1990-2009, while in the monitoring report they are sourced from National Inventory Report for 1990-2010. Please, explain these deviations from the monitoring plan.	95 (a)	In the determined PDD version 2.0 dated 1/10/2012 available through UNFCCC webpage: http://ji.unfccc.int/JIITLProject/DB/HA1X6JK9D05SOF24FLOPFR3ZXT6I91/details data are sourced from National Inventory for 1990-2010. There are no deviations from the monitoring plan in the MR.	Based on the information received, CL 04 is closed.



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CAR 03. Please provide reference to IPCC 2006 in English in the English version of the MR.	95 (b)	IPCC 2006 was referenced in accordance with English version of the determined PDD version 2.0 dated 1/10/2012 available through UNFCCC web-page: http://ji.unfccc.int/JIITLProject/DB/HA1X6JK9D05SOF24FLOPFR3ZXT6I91/details	CAR 03 is closed.
CL 05. Please, explain, why page 17 is empty?	95 (c)	The empty page was deleted from MR version 2.0.	Issue is closed due to the amendments made in the MR.
CL 06. Please, explain why electricity consumption in the 11 month of the 2012 at all factories was reduced in 2 times compared to 2011? (table 12).	95 (d)	Electricity consumption by the factories was made correspondent to Report on the electricity consumption by the enterprises of the Avangard Holding of "Poultry" division by the factories in 2012 (for the period 01/01/2012 till 30/11/2012) in the MR version 2.0 and Excel calculation file.	Issue is closed due to the amendments made in the MR.
CL 07. Please, explain why actual average quantity of poultry heads of continuous handling (table 13) at the factories in the 11 month of the 2012 at all factories is fully correspondent to project values in the PDD (sheet «Chicken» in the Excel file to PDD) for the entire 2012?	95 (d)	Actual average quantity of poultry heads of continuous handling at the factories was made correspondent to Report on the average quantity of poultry heads of continuous handling at the factories in 2012 (for the period 01/01/2012 till 30/11/2012) in the MR version 2.0 and Excel calculation file.	Issue is closed due to the amendments made in the MR.
CL 08. Please, explain why actual quantity of eggs produced (table 14) at the factories in the 11 month of the 2012 at all factories is fully correspondent to project values in the PDD (sheet «Egg Production» in the Excel file to PDD) for the entire 2012?	95 (d)	Actual quantity of eggs produced by the factories was made correspondent to Report on the quantity of eggs produced by the factories in 2012 (for the period 01/01/2012 till 30/11/2012) in the MR version 2.0 and Excel calculation file.	Issue is closed due to the amendments made in the MR.
CL 09. Please, add Excel calculation file to the monitoring report.	95 (d)	Excel calculation file to the monitoring report was provided.	Excel calculation file received, CL 09 is closed.



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CL 10. Please, provide evidence of the quantity of poultry heads for the 11 month of 2012.	101 (c)	Report on the average quantity of poultry heads of continuous handling at the factories in 2012 (for the period 01/01/2012 till 30/11/2012) was provided to the AIE.	Based on the documentation received, CL 10 is closed.
CL 11. Please, provide evidence of the quantity of egg produced for the 11 month of 2012.	101 (c)	Report on the quantity of eggs produced by the factories in 2012 (for the period 01/01/2012 till 30/11/2012) was provided to the AIE.	Based on the documentation received, CL 11 is closed.
CL 12. Please, provide evidence of electricity consumption for the 11 month of 2012.	101 (c)	Report on the electricity consumption by the enterprises of the Avangard Holding of "Poultry" division by the factories in 2012 (for the period 01/01/2012 till 30/11/2012) was provided to the AIE.	Based on the documentation received, CL 12 is closed.
CL 13. In the Report of electricity consumption by the factories of Avangard Holding of Poultry division in 2011 dated 12/01/2012 are different values for 2011 that in the table 12 of the monitoring report. Please, explain this.	101 (c)	Values in the table 12 of MR version 2.0 were made correspondent to Report on the electricity consumption by the enterprises of the Avangard Holding of "Poultry" division by the factories in 2012 (for the period 01/01/2012 till 30/11/2012) in the MR version 2.0.	Issue is closed due to the amendments made in the MR.
CL 14. Please, provide the document proving that the data will be archived during project lifetime and 2 years after its end.	101 (d)	The document, in accordance to which project data will be kept till 12/01/2026 was provided to AIE.	Based on the documentation received, CL 14 is closed.