



VERIFICATION REPORT

«COMPANY «MT-INVEST» LTD

VERIFICATION OF THE
“Reduction of power consumption
and waste disposal at “Obolon”
PJSC”

FORTH PERIODIC FOR THE PERIOD
01/10/2011 – 31/03/2012

REPORT No. UKRAINE-VER/0482/2012

REVISION No. 02

BUREAU VERITAS CERTIFICATION



VERIFICATION REPORT

Date of first issue: 08/05/2012	Organizational unit: Bureau Veritas Certification Holding SAS
Client: «Company «MT-Invest» LTD	Client ref.: Falendysh Yaroslav

Summary:

Bureau Veritas Certification has made the 4th periodic verification of the "Reduction of power consumption and waste disposal at "Obolon" PJSC", located in Kyiv, 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 (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 being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions. The GHG emission reduction is calculated accurately and without material errors, omissions, or misstatements, and the ERUs issued totalize 110332 tonnes of CO₂ equivalent for the monitoring period from 01/10/2011 to 31/03/2012.

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/0482/2012	Subject Group: JI	
Project title: "Reduction of power consumption and waste disposal at "Obolon" PJSC"		
Work carried out by: Kateryna Zinevych – Team Leader, Lead Verifier Sergiy Kustovskyy – Team Member, Verifier Iuliia Pylnova – Team Member, Technical Specialist		
Work reviewed by: Ivan Sokolov - Internal Technical Reviewer		
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 “Reduction of power consumption and waste disposal at “Obolon” PJSC” (hereafter called “the project”) at Kyiv, Ukraine.

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

1.1 Objective

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

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

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

1.2 Scope

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

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

1.3 Verification Team

The verification team consists of the following personnel:

Kateryna Zinevych Bureau Veritas Certification	Team Leader, Climate Change Lead Verifier
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Sergiy Kustovskyy Bureau Veritas Certification	Climate Change Verifier
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Iuliia Pylnova Bureau Veritas Certification	Technical Specialist
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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 «Company «MT-Invest» LTD and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD) and/or Guidance on criteria for baseline setting and monitoring, Host party criteria, Kyoto Protocol, Clarifications on Verification Requirements to be Checked by an Accredited Independent Entity were reviewed.

The verification findings presented in this report relate to the Monitoring Report version(s) 1.0, 1.1 and project as described in the determined PDD.

2.2 Follow-up Interviews

On 03/05/2012 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 «Company «MT-Invest» LTD and PJSC “Obolon” were interviewed (see References). The main topics of the interviews are summarized in Table 1.

**Table 1 Interview topics**

Interviewed organization	Interview topics
"Obolon" PJSC	Organizational structure Responsibilities and authorities Roles and responsibilities for data collection and processing Installation of equipment Data logging, archiving and reporting Metering equipment control Metering record keeping system, database IT management Training of personnel Quality management procedures and technology Internal audits and check-ups
«Company «MT-Invest» LTD	Baseline methodology Monitoring plan Monitoring report Excel spreadsheets

2.3 Resolution of Clarification, Corrective and Forward Action Requests

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

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

- (a) Corrective action request (CAR), requesting the project participants to correct a mistake that is not in accordance with the monitoring plan;
- (b) Clarification request (CL), requesting the project participants to provide additional information for the Verification Team to assess compliance with the monitoring plan;
- (c) Forward action request (FAR), informing the project participants of an issue, relating to the monitoring that needs to be reviewed during the next verification period.

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



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

3 VERIFICATION CONCLUSIONS

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

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

The Clarification, Corrective and Forward Action Requests are stated, where applicable, in the following sections and are further documented in the Verification Protocol in Appendix A. The verification of the Project resulted in 4 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

While the previous verification one Forward Action Request was issued:

FAR 01: During the next verification must be reviewed and compared the data used in the proposed MR with values of relevant parameters in the annual reporting forms for 2011.

During the verification it was recognized that data used for the preparation of MRs for the previous period were of the preliminary kind. Analysis of these deviations has shown that total effect of all mistakes resulted in understating of ERUs generated while project implementation. Thus, principles of conservativeness were not violated in this case. Data collection system is now in accordance with the monitoring plan. FAR is closed.

3.2 Project approval by Parties involved (90-91)

Written project approval by the Ukraine #1914/23/7 dated 22/07/2011 has been issued by the State Environmental Investment Agency of Ukraine.

Written project approval by France (letter of approval for the project "Reduction of power consumption and waste disposal at "Obolon" PJSC" № 11-0804 5E DNter (DFP, DNA) dated 04/08/2011) has been issued by Ministry of Ecology, Sustainable Development, Transports and Housing.

The abovementioned written approvals are unconditional.



3.3 Project implementation (92-93)

In accordance with the schedule of the project in 2011 in the plant was carried out reconstruction of heating systems of drying area for beer sparging using thermal energy boiling condensate. However, this reconstruction was not put into operation due to lack of financing. Now system is operating in testing mode. Implementation of this measure will allow reducing natural gas consumption by the plant Obolon.

Measures, planned to be implemented in the period 2000 – 2010 were implemented in the full extent and the project is generating greenhouse gases emission reduction units.

Amount of emission reduction provided above as total for 2011 in the MR differs from the amount of emission reduction for the corresponding period predicted in the registered PDD (version 02, dated 10/06/2011). This difference can be explained by the fact that GHG emission reduction provided in the PDD for 2011 were estimated based on the statistic data of 2010, while GHG emission reduction provided in the MR was calculated based on the actual data provided by the enterprise.

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 01).

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 influencing the baseline emissions and the activity level of the project and the emissions as well as risks associated with the project were taken into account, as appropriate.

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

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

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

The identified areas of concern as to the compliance of the monitoring plan with the monitoring methodology, project participants responses and Bureau Veritas Certification's conclusions are described in Appendix A to this report (refer to CARs 02, 03, CI 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, including the quality control and quality assurance procedures. These procedures are mentioned in the section “References” of this report.

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

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

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

The identified areas of concern as to the data management, project participants responses and Bureau Veritas Certification’s conclusions are described in Appendix A to this report (refer to CAR 04, CI 02).

3.7 Verification regarding programmes of activities (102-110)

Not applicable.

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the, 4th periodic verification of the “Reduction of power consumption and waste disposal at “Obolon” PJSC” 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.

The management of «Company «MT-Invest» LTD is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project on the basis set out within the project Monitoring Plan indicated in the final PDD version. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of GHG emission reductions from the project, is the responsibility of the management of the project.



Bureau Veritas Certification verified the Project Monitoring Report version 1.1 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.

Amount of emission reduction provided above as total for 2011 in the MR differs from the amount of emission reduction for the corresponding period predicted in the registered PDD (version 02, dated 10/06/2011). This difference can be explained by the fact that GHG emission reduction provided in the PDD for 2011 were estimated based on the statistic data of 2010, while GHG emission reduction provided in the MR was calculated based on the actual data provided by the enterprise.

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

Reporting period: From 01.10.2011 to 31.03.2012

For the period from 01.10.2011 to 31.12.2011

Baseline emissions	: 86156	tonnes of CO2 equivalent
Project emissions	: 28355	tonnes of CO2 equivalent
Emission Reductions	: 57801	tonnes of CO2 equivalent

For the period from 01.01.2012 to 31.03.2012

Baseline emissions	: 79904	tonnes of CO2 equivalent
Project emissions	: 27373	tonnes of CO2 equivalent
Emission Reductions	: 52531	tonnes of CO2 equivalent

Total for the monitoring period.

Baseline emissions	: 166060	tonnes of CO2 equivalent
Project emissions	: 55728	tonnes of CO2 equivalent
Emission Reductions	: 110332	tonnes of CO2 equivalent



5 REFERENCES

Category 1 Documents:

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

- /1/ PDD “Reduction of power consumption and waste disposal at “Obolon” PJSC” version 2.0 dated 10/06/2011.
- /2/ Monitoring Report for 01/10/2011-31/03/2012 “Reduction of power consumption and waste disposal at “Obolon” PJSC”, version 1.0 dated 17/04/2012.
- /3/ Monitoring Report for 01/10/2011-31/03/2012 “Reduction of power consumption and waste disposal at “Obolon” PJSC”, version 1.1 dated 07/05/2012.
- /4/ Excel-file “MR_2011_4_Obolon_v.1.xls”
- /5/ Excel-file “MR_2012_1_Obolon_v.1.xls”
- /6/ Excel-file “MR_2011_4_Obolon_v.2.xls”
- /7/ Excel-file “MR_2012_1_Obolon_v.2.xls”
- /8/ Letter of Approval #1914/23/7 for the project “Reduction of power consumption and waste disposal at “Obolon” PJSC” issued by State Environmental Investment Agency of Ukraine dated 22/07/2011.
- /9/ Letter of Approval № 11-0804 5E DNter (DFP, DNA) dated 04/08/2011 for the project “Reduction of power consumption and waste disposal at “Obolon” PJSC” issued by Ministry of Ecology, Sustainable Development, Transports and Housing, General Directorate for Energy and Climate - Climate and energy efficiency service - Carbon markets desk.

Category 2 Documents:

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

- /1/ Verification protocol №623650 of electric power meter EPQS 122.21.18LL reg.№623650 dated 15.12.2008.
- /2/ Verification protocol №623656 of electric power meter EPQS 122.21.18LL reg.№623650 dated 15.12.2008.
- /3/ Certificate of state metrological attestation of measuring complex «OE-22ДМ» №39.0608.11 dated 07.11.2011
- /4/ Technical passport for wagon scales reg.No2572
- /5/ Letter №1322/0/2-12 on production capacity and energy resources consumption at PJSC “Obolon” for 2011 and I quarter of 2012 dated 20.04.2012
- /6/ Report on fuel, heat power and electric power consumption in 2011. Form 11-MTP (annual).
- /7/ Form 24-energetyka (annual) for 2011



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- /8/ Methodology for estimation of operational efficiency of steam condensing facilities, assembled at the site of pellets drying
- /9/ Agreement №3 for project and construction work execution dated 26.10.2010
- /10/ Form Ф20.02.ОТОС.104 for 2011
- /11/ Agreement №129-ОПК for supplying of malt and brewery production wastes dated 01.02.2012
- /12/ Photo. Electric power meters for internal accounting of electricity.
- /13/ Photo. Electric power meter EPQS 122.21.18LL reg.№598904
- /14/ Photo. Electric power meter EPQS 122.21.18LL reg.№623630
- /15/ Photo. Electric power meter EPQS 122.21.18LL reg.№623636
- /16/ Photo. Electric power meter EPQS 122.21.18LL reg.№623636
- /17/ Photo. Cooling workshop
- /18/ Photo. Volumes for carbonic acid collection.
- /19/ Photo. Heat exchanger of brewing line №5.
- /20/ Photo. Brewing line №5.
- /21/ Photo. Brewing line №2
- /22/ Photo. Brewing line №4.
- /23/ Decree of Cabinet of Ministers of Ukraine #206, dated 22/02/2006
- /24/ Project design documents form for JI projects, version 01.
- /25/ «Guidance for users Project design documents form for JI projects», version 04, JISC.
- /26/ JISC Guidance on criteria for baseline setting and monitoring. Version 02.
- /27/ “Combined tool to identify the baseline scenario and demonstrate additionality” (Version 03.0.0)
- /28/ Glossary of Joint Implementation Terms, Version 03.
- /29/ Decree #75 on approval of indexes of specific carbon dioxide emissions in the year 2011 issued by NEIA dated 12.05.2011.
- /30/ Application of department chief for education of some categories of personnel of CJSC "Obolon" in 2011. Approved on 28.12.2010
- /31/ Article in the newspaper "Kyivska Pravda"
- /32/ Assignment for design, production and assembling of assembling station and return of condensate after facilities for sparging dehydration dated 26.10.2010
- /33/ Conclusion №26/07.12.2010-0001 dated 10.01.2011 of state ecological expertise

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/ Ivan Gorban – Technical Director
- /2/ Sergiy Pustovit – Leading Energy Management
- /3/ Svitlana Bashmakova – Senior Engineer on Environmental Protection
- /4/ Oleksandr Solomenko – Head-refrigerating compressor plant



- /5/ Anatoliy Zakrevskiy – Chief power engineer
- /6/ Evgen Zuravliov – Director on Ecology projects (consultant)



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APPENDIX A: VERIFICATION PROTOCOL

Check list for verification, according to the JOINT IMPLEMENTATION DETERMINATION AND VERIFICATION MANUAL (Version 01)

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
Project approvals by Parties involved				
90	Has the DFPs of at least one Party involved, other than the host Party, issued a written project approval when submitting the first verification report to the secretariat for publication in accordance with paragraph 38 of the JI guidelines, at the latest?	State Agency of Environmental Investments of Ukraine issued Letter of Approval №1914/23/7 dated 22/07/2011. The Ministry of Ecology, Sustainable Development, Transports and Housing, General Directorate for Energy and Climate - Climate and energy efficiency service - Carbon markets desk of France (Party involved which is not the host country) has issued a written project approval (letter of approval for the project "Reduction of power consumption and waste disposal at "Obolon" PJSC" № 11-0804 5E DNter (DFP, DNA) dated 04/08/2011).	OK	OK
91	Are all the written project approvals by Parties involved unconditional?	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	<u>Corrective Action Request (CAR) 01.</u> During site-visit it was recognized that heat supply system of pellets drying was not put into the operation after reconstruction as it was	CAR 01	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	listed on the UNFCCC JI website?	planned for 2011. Please, provide this information in the MR. Please also provide clarification of the reasons of this.		
93	What is the status of operation of the project during the monitoring period?	Project equipment has been installed with minor deviations from the schedule and is fully operational. See also CAR 01 above.	OK	OK
Compliance with monitoring plan				
94	Did the monitoring occur in accordance with the monitoring plan included in the PDD regarding which the determination has been deemed final and is so listed on the UNFCCC JI website?	Yes, the monitoring occurs in accordance with the monitoring plan included in the PDD.	OK	OK
95 (a)	For calculating the emission reductions or enhancements of net removals, were key factors, e.g. those listed in 23 (b) (i)-(vii) above, influencing the baseline emissions or net removals and the activity level of the project and the emissions or removals as well as risks associated with the project taken into account, as appropriate?	Yes, all relevant key factors were taken into account, as appropriate.	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	<u>Clarification Request (CL) 01.</u> Please specify the enumeration of pictures in the Monitoring Report.	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?	<u>Corrective Action Request (CAR) 02.</u> In Excel calculation spreadsheets (lists BEELEC) mistakenly indicated out-of-date emission factor. Please, make the proper corrections in the calculation spreadsheets and in the MR. <u>Corrective Action Request (CAR) 03.</u> Please provide the units for conversion coefficient of Gcal into GJ.	CAR 02 CAR 03	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 transparent manner?	Yes, the calculation of emission reductions based on conservative assumptions and the most plausible scenarios in a transparent manner.	OK	OK
Applicable to JI SSC projects only				
96	Is the relevant threshold to be classified as JI SSC project not exceeded during the monitoring period on an annual average	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	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?			
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	OK	OK
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the project participants submitted a common monitoring report?	N/A	OK	OK
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	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
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	OK	OK
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	OK	OK
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	Yes, the implementation of data collection procedures is in accordance with the monitoring plan, including the quality control and quality assurance procedures.	OK	OK
101 (b)	Is the function of the monitoring equipment, including its calibration status, in order?	<u>Clarification Request (CL) 02.</u> Please, provide in the MR clarification why heat power meter PMC-621 serial number 920-00E 042-5A was decommissioned. <u>Corrective Action Request (CAR) 04.</u> Please correct dates of wagon scales	CL 02 CAR 04	OK OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		calibration in accordance with the documentation for the mentioned scales.		
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	The evidences and records used for the monitoring maintained are in a traceable manner	OK	OK
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	The data collection and management system for the project is in accordance with the monitoring plan	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?	N/A	OK	OK
103	Is the verification based on the monitoring reports of all JPAs to be verified?	N/A	OK	OK
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	N/A	OK	OK
104	Does the monitoring period not overlap with previous monitoring periods?	N/A	OK	OK
105	If the AIE learns of an erroneously included JPA, has the AIE informed	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	the JISC of its findings in writing?			
Applicable to sample-based approach only				
106	<p>Does the sampling plan prepared by the AIE:</p> <p>(a) Describe its sample selection, taking into account that:</p> <p>(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:</p> <ul style="list-style-type: none"> - 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 	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	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	OK	OK
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	OK	OK
109	Is the sampling plan available for	N/A	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	submission to the secretariat for the JISC.s ex ante assessment? (Optional)			
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	OK	OK



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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
<p><u>Corrective Action Request (CAR) 01.</u> During site-visit it was recognized that heat supply system of pellets drying was not put into the operation after reconstruction as it was planned for 2011. Please, provide this information in the MR. Please also provide clarification of the reasons of this.</p>	92	Heat supply for site of pellets drying is operating in testing mode. The proper putting into exploitation of the system is planned in 2012. Delay was caused by lack of financing. The corresponding information was added to section A.3 of the Monitoring Report.	Necessary information was added to the MR version 1.1. Issue is closed.
<p><u>Corrective Action Request (CAR) 02.</u> In Excel calculation spreadsheets (lists BEELEC) mistakenly indicated out-of-date emission factor. Please, make the proper corrections in the calculation spreadsheets and in the MR.</p>	95 (c)	Corresponding corrections were made in the Excel calculation tables and in the Monitoring Report. Corrected tables and Monitoring Report were provided to Bureau Veritas.	Issue is closed based on the corrections in the Excel spreadsheets and MR.



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<p><u>Corrective Action Request (CAR) 03.</u> Please provide the units for conversion coefficient of Gcal into GJ.</p>	95 (c)	Corresponding corrections were made for formulas (4) and (9) of the MR.	Issue is closed.
<p><u>Corrective Action Request (CAR) 04.</u> Please correct dates of wagon scales calibration in accordance with the documentation for the mentioned scales.</p>	101 (b)	Dates were corrected for 17.08.11 and 17.02.12 respectively (see Table B.5 of the MR).	The relevant corrections were made. Issue is closed.
<p><u>Clarification Request (CL) 01.</u> Please specify the enumeration of pictures in the Monitoring Report.</p>	95 (b)	Enumeration of pictures was corrected.	CL is closed.
<p><u>Clarification Request (CL) 02.</u> Please, provide in the MR clarification why heat power meter PMC-621 serial number 920-00E 042-5A was decommissioned.</p>	101 (b)	This meter was decommissioned due to refusal of "Obolon" plant from purchasing of heat energy. The relevant explanation was added to the Monitoring Report section B.2.3.	Issue is closed based on the explanations provided by project developer to the verification team.