



BUREAU
VERITAS

VERIFICATION REPORT EEA “NOVOSVIT”

VERIFICATION OF THE
GREENHOUSE GASES EMISSION REDUCTION
DUE TO REPLACEMENT OF POWER,
GENERATED BY THE TRADITIONAL FUEL
FIRED POWER PLANTS, AS A RESULT OF
REHABILITATION AND CONSTRUCTION OF
THE SMALL HYDROPOWER PLANTS,
OPERATED BY EEA “NOVOSVIT” AND
“ENERGOINVEST”, LTD.

(SECOND PERIODIC FOR THE PERIOD 01/01/2008-31/12/2009)

REPORT No. UKRAINE-VER/0141/2010

REVISION No. 02

BUREAU VERITAS CERTIFICATION



VERIFICATION REPORT

Date of first issue: 07/07/2011	Organizational unit: Bureau Veritas Certification Holding SAS
Client: EEA "Novosvit"	Client ref.: Kostyantyn Mandybura

Summary:
 Bureau Veritas Certification has made the 2nd periodic verification of the "Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA "Novosvit" and "Energoinvest", Ltd." project of by EEA "Novosvit" and "Energoinvest", Ltd located in Vinnytsya, Khmelnytsky, Ternopil, Chernivtsi, Cherkasy, Ivano-Frankivsk and Lviv regions in the western and central parts of Ukraine, and applying the 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 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 48669 tons of CO₂eq for the monitoring period from 01/01/2008 – 31/12/2009 (30982 tCO₂ for period 01/01/2008-31/12/2008, 17687 tCO₂ for period 01/01/2009-31/12/2009).

Report No.: UKRAINE-ver/0141/2010	Subject Group: JI
Project title: Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA "Novosvit" and "Energoinvest", Ltd.	
Work carried out by: Oleg Skoblyk – Team Leader, Lead Verifier Vyacheslav Yeriomin, Team Member, Verifier	
Work reviewed by: Ivan Sokolov – Internal Technical Reviewer	
Work approved by: Flavio Gomes – Operational Manager	
Date of this revision: 26/07/2011	Rev. No.: 02
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[Handwritten Signature]

Bureau Veritas Certification Holding SAS

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1 INTRODUCTION

EEA “Novosvit” and “Energoinvest” Ltd has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project “Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA “Novosvit” and “Energoinvest”, Ltd.” (hereafter called “the project”) at Vinnytsya, Khmelnytsky, Ternopil, Chernivtsi, Cherkasy, Ivano-Frankivsk and Lviv regions in the western and central parts 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 and monitoring plan and other relevant documents. The information in these documents is reviewed against Kyoto Protocol requirements, UNFCCC rules and associated interpretations.

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

1.3 Verification Team

The verification team consists of the following personnel:

Oleg Skoblyk
Bureau Veritas Certification Team Leader, Climate Change Verifier

Vyacheslav Yeriomin



Bureau Veritas Certification Climate Change Verifier

This verification report was reviewed by:

Ivan Sokolov

Bureau Veritas Certification, Internal Technical Reviewer

2 METHODOLOGY

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

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

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

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

2.1 Review of Documents

The Monitoring Report (MR) submitted by Institute of Engineering Ecology and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Approved CDM methodology (if applicable) 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 versions 01, 02 and project as described in the determined PDD.

2.2 Follow-up Interviews

On 30/07/2011 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 EEA



“Novosvit” and “Energoinvest” Ltd were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
EEA “Novosvit”	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
Institute of Engineering Ecology	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 AIE 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.



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

Due to the fact that the periods of conduction of three verifications overlap, the FAR is pending.

3.2 Project approval by Parties involved (90-91)

Written project approval by Host Party has been issued by The National Environmental Investment Agency of Ukraine (#1819/23/7 dated 13/07/2011). Letter of Approval by Netherlands Ministry of Economic Affairs #2010JI09 has been issued 13/04/2010 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 approval is unconditional

Corrective Action Request #01

Information about Project Approval is missed in the Monitoring Report. Please add relevant information in the monitoring Report.

Response:

The State Environmental Investment Agency of Ukraine has issued the Letter of Approval on behalf of Ukraine for this project No. 1819/23/7 dated 13.07.2011.

The Ministry of Economic Affairs of the Netherlands (Party of Buyer) has issued the Letter of Approval on behalf of The Netherlands for this project No. 2010JI09 dated April 13, 2010.

This information is added into the Monitoring Report version 02. The issue is closed.



3.3 Project implementation (92-93)

The project's main goal is the reduction of the greenhouse gases emissions from the thermal power plants which consume traditional fossil fuel by means of replacement of electric power generated by them to the state grid with the electric power generated by the small hydro power plants as a renewables, due to rehabilitation, renewing and retrofit of existing obsolete small HPPs and building of the new ones.

The Supplier for this project is the External Economic Association "Novosvit", which at present operates 15 small hydropower plants with the installed capacity of 10 280 kW. The first three of them (Sandratska HPP, Gordashivska HPP and Bodnarivska HPP) were renovated in 1999-2000 by the Ukrainian Energy Consortium, the founder of the EEA "Novosvit", and were then rented by EEA "Novosvit", these small HPP are not included in the project. The other 12 already rehabilitated/constructed are included in the project, as well as 9 HPPs that are planned for rehabilitation/construction, in total 21 small HPPs with total scheduled installed capacity of 13.360 MW.

Also, the EEA "Novosvit" is empowered to represent in this project the interests of company "Energoinvest" Ltd., which at present operates 11 already rehabilitated/constructed small hydropower plants with total installed capacity of 13.038 MW. Ten of these small HPPs are included in the project.

During the monitoring period EEA "Novosvit" Lotashivska and Yablunytska HPPs were put into operation. "Enerhoinvest" Ltd put into operation Yavirska HPP and hydraulic unit #2 at Sutyska HPP, hydraulic units ##2, 3 at Glybochanska HPP.

Thus, in frames of this project, the total installed capacity of the 22 small hydropower plants that are already rehabilitated/renovated, is 20.528 MW, and the total installed capacity of all 33 small hydropower plants included in the project at the present stage is planned to be 25.848 MW.

Corrective Action Request #02

Please provide the JI registration number in the Monitoring Report.

Response:

This project is being realized under the national procedure (Track 1) and thus has no JI registration number. The issue is closed

Corrective Action Request #03

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Please explain in the Monitoring Report difference between emission reduction achieved during 2nd monitoring period and emission reduction indicated in the PDD.

Response:

The differences between emission reductions indicated in the PDD for 2008 – 2009, and achieved during 2008 - 2009 and listed in the Monitoring Report # 55-M / 02 for the same years, are caused by the following reasons:

1. The amount of electricity generated by a HPP is dependent on the differences in operation conditions that are not under the control of a small HPP operator, for example on water levels on the upper and lower ponds. It is difficult to ex-ante foresee water levels and thus to predict exactly the amount of generated electricity. This caused the difference in amounts of reductions in 2009.
2. In the PDD the values of GHG emission factor (CEF) were used according to the document “Ukraine – Assessment of new calculation of CEF” developed by Global Carbon and confirmed by TÜV SÜD: 0.807 t CO₂e/ MWh for 2008 and 2009. In the Monitoring Report the values of CEF were used according to the recent Orders of the National Environmental Investment Agency of Ukraine, that is 1.055 t CO₂e/MWh for 2008 (Order No. 62 dated 15.04.2011) and 1.068 t CO₂e/MWh for 2009 (Order No. 63 dated 15.04.2011). This caused the difference in amounts of reductions in 2008 and 2009.

Clarification Request #01

Monitoring report indicates that three small Hydro Power Plants were put into operation during the monitoring period.
Please provide in the Monitoring Report name, location and installed capacity of HPPs.

Response:

This information is added into the Monitoring Report version 02

Clarification Request #02

Please add in the geographical description more information on each Project HPPs. The issue is closed

Response:

This information is added into the Monitoring Report version 02.
For detailed information about implemented project activity, location and installed capacity of HPPs see Annex 2.1 of this Monitoring Report. The issue is closed.



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 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.

Data sources used for calculating emission reductions or enhancements of net removals, such as paper logbooks at HPPs, daily and monthly reports of joined dispatcher centre, commissioning acts, electronic data on electricity producing are clearly identified, reliable and transparent.

Emission factors is 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.

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. In 2004, EEA «Novosvit» and «Energoinvest», Ltd. developed and implemented an automated system for commercial electric power accounting (ASCEPA). Created system is designed for automated collection, processing, storage, visualization and transfer of data on accounting cross-flows of active and reactive power and organization of multi-tariff commercial accounting of electric power and capacity. Data from HPPs are transferred to the joint dispatcher center of EEA “Novosvit” and “Energoinvest”, Ltd. The ASCEPA provides the automatic control of the technical state of the measuring equipment. The collected data can be transmitted to the customer in the required format, with using the e-mail or through the local network with using the standard exchange protocol TCP/IP. Calculated values may be presented in the MS Excel format. ASCEPA is recertified by State Enterprise “Enerhorynok” each 6 month.



The function of the monitoring equipment, including its calibration status, is in order. Periodical calibration of the measuring equipment at small HPPs was carried out by Vinnitsa regional state scientific-production center of standardization and metrology in compliance with actual Ukraine legislation.

The evidence and records used for the monitoring are maintained in a traceable manner. Data on electric producing is collected on HPPs in operational and electric producing logbooks. Daily data is transferred to the joint dispatcher center of EEA “Novosvit” and “Energoinvest”, Ltd by phone and local network. Data in paper format is kept at HPPs in logbooks and at joint dispatcher centre in monthly reports.

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

All collected data are transferred to Mr. Konstantyn Mandybura, who is responsible for data storage and archiving, filling the monitoring spreadsheets with input data.

The vice director of the Institute of Engineering Ecology, PhD Dmytro Paderno, is responsible for baseline and monitoring methodology development and application, and for development of the Monitoring Report.

Corrective Action Request #04

Please submit any document which indicates that the data monitored and required for ERUs calculation will be kept during two years after the end of crediting period.

Response

The data monitored and required for ERUs calculation will be kept during two years after the end of crediting period, according to the Order # 13/11 dated 01.06.2011, on formation of the operational team and storage term of documents.

This Order was submitted to AIE by EEA “Novosvit”. The issue is closed.

3.7 Verification regarding programmes of activities (102-110)

“Not applicable”

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the 2nd periodic, verification of the “Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA “Novosvit” and “Energoinvest”, Ltd.” Project in Ukraine, which



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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 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 EEA “Novosvit” and “Energoinvest” 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 and Verification Plan indicated in the final PDD version 07. 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 02 for the reporting period as indicated below. Bureau Veritas Certification confirms that the project is implemented as planned and described in approved project design documents. Installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately. The monitoring system is in place and the project is generating GHG emission reductions.

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

Reporting period: From 01/01/2008 to 31/12/2009

Baseline emissions equivalents.	: 48669	t	CO ₂
Project emissions equivalents.	: 0	t	CO ₂
Emission Reductions equivalents.	: 48669	t	CO ₂
Emission Reductions 01/01/2008-31/12/2008: equivalents.	30982	t	CO ₂
Emission Reductions 01/01/2009-31/12/2009: equivalents.	17687	t	CO ₂





5 REFERENCES

Category 1 Documents:

Documents provided by EEA “Novosvit” and “Energoinvest” Ltd that relate directly to the GHG components of the project.

- /1/ Project Design Document “Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA “Novosvit” and “Energoinvest”, Ltd.” Version 07 dated 23/11/2010
- /2/ Monitoring Report #_55M/02 “Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA “Novosvit” and “Energoinvest”, Ltd.” Version 01 dated 23 June 2011
- /3/ Monitoring Report #_55M/02 “Greenhouse gases emission reduction due to replacement of power, generated by the traditional fuel fired power plants, as a result of rehabilitation and construction of the small hydropower plants, operated by EEA “Novosvit” and “Energoinvest”, Ltd.” Version 02 dated 21 July 2011
- /4/ Letter of Approval, issued by Netherlands Ministry of Economic Affairs #2010JI09 dated 13/04/2010
- /5/ Letter of Approval, issued by State National Environmental Agency of Ukraine #1819/23/7 dated 13/07/2011
- /6/ ERUs calculation model exel file “MR1_2002-2007_Annex2”

Category 2 Documents:

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

- /1/ Determination and verification manual, version 01
- /2/ Server on operational data logging and keeping in EEA “Novosvit” and “Energoinvest” LLC control centre
- /3/ State technical commission statement on acceptance Korhivska HPP as finished, dated 28/10/2004
- /4/ Agreement #444/03 dated 01/07/2003 on lease property of Novokostyantynivska and Schedrivska HPPs
- /5/ Annex to agreement #444/03. Rent calculations dated 01/07/2003
- /6/ Statement on acceptance-transmitting Novokostyantynivska and Schedrivska HPPs main facilities in operational lease EEA “Novosvit” dated 01/07/2003
- /7/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA “Novosvit” in December 2009
- /8/ Statement on electric energy production Velykokuzhelevetska HPP EEA “Novosvit” December 2009
- /9/ Statement on electric energy production Korhivska HPP EEA “Novosvit” in December 2009



- /10/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in December 2009
- /11/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in November 2009
- /12/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in November 2009
- /13/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in November 2009
- /14/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in November 2009
- /15/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in October 2009
- /16/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in October 2009
- /17/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in October 2009
- /18/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in 1-12 October 2009
- /19/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in 13-30 October 2009
- /20/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in September 2009
- /21/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in September 2009
- /22/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in September 2009
- /23/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in September 2009
- /24/ Annex to statement #12 on transfer of electric power amount calculation EEA "Novosvit" in December 2008
- /25/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in December 2008
- /26/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in December 2008
- /27/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in December 2008
- /28/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in December 2008
- /29/ Statement #1211Xm on electric power transmitting EEA "Novosvit" dated 02/01/2009
- /30/ Statement #1212Xm on electric power transmitting EEA "Novosvit" dated 02/01/2009
- /31/ Statement #1213Xm on electric power transmitting EEA "Novosvit" dated 02/01/2009
- /32/ Statement #1214Xm on electric power transmitting EEA "Novosvit" dated 02/01/2009
- /33/ Statement #1215Xm on electric power transmitting EEA "Novosvit" dated



- 02/01/2009
- /34/ Statement #1211Xm on electric power sale EEA "Novosvit" dated 02/01/2009
 - /35/ Annex to statement #12Xm on transfer of electric power amount calculation EEA "Novosvit" in December 2008
 - /36/ Statement #1211 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /37/ Statement #1212 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /38/ Statement #1213 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /39/ Statement #1214 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /40/ Statement #1215 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /41/ Statement #1216 on electric power transmitting EEA "Novosvit" dated 17/11/2008
 - /42/ Annex to statement #11 on transfer of electric power amount calculation EEA "Novosvit" in October 2008
 - /43/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in November 2008
 - /44/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in November 2008
 - /45/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in November 2008
 - /46/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in November 2008
 - /47/ Statement #1111Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /48/ Statement #1112Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /49/ Statement #1113Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /50/ Statement #1114Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /51/ Statement #1115Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /52/ Statement #1116Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /53/ Statement #1116Xm on electric power transmitting EEA "Novosvit" dated 01/12/2008
 - /54/ Annex to statement #11Xm on transfer of electric power amount calculation EEA "Novosvit" in November 2008
 - /55/ Statement #1111 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /56/ Statement #1112 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /57/ Statement #1113 on electric power transmitting EEA "Novosvit" dated



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- 17/10/2008
- /58/ Statement #1114 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /59/ Statement #1115 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /60/ Statement #1116 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /61/ Statement #1117 on electric power transmitting EEA "Novosvit" dated 17/10/2008
 - /62/ Annex to statement #11Xm on transfer of electric power amount calculation EEA "Novosvit" in October 2008
 - /63/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in October 2008
 - /64/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in October 2008
 - /65/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in October 2008
 - /66/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in October 2008
 - /67/ Annex to statement #9 on transfer of electric power amount calculation EEA "Novosvit" in September 2008
 - /68/ Statement on electric energy production Novo-Kostyantynivska and Schedrivska HPP EEA "Novosvit" in September 2008
 - /69/ Statement on electric energy production Korhivska HPP EEA "Novosvit" in September 2008
 - /70/ Statement on electric energy production Velykokuzhelevetska HPP EEA "Novosvit" in September 2008
 - /71/ Statement on electric energy production Bodnarivska HPP EEA "Novosvit" in September 2008
 - /72/ Purchase-sell agreement #5621/01 dated 29/07/2009 on electric energy transmitting between "Energorynok" SE and EEA "Novosvit"
 - /73/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Hordashivska HPP
 - /74/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Hordashivska HPP
 - /75/ Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Hordashivska HPP
 - /76/ Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Hordashivska HPP
 - /77/ Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
 - /78/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Zvenihorodska HPP
 - /79/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Zvenihorodska HPP
 - /80/ Annex #3 to agreement #5621/01. Statement on division of electric networks



- balance ownership and operational responsibilities of the Parties at Zvenihorodska HPP
- /81/ Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Zvenihorodska HPP
- /82/ Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /83/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Korsun-Shevchenkivska mini-HPP
- /84/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Korsun-Shevchenkivska mini-HPP
- /85/ Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Korsun-Shevchenkivska mini-HPP
- /86/ Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Korsun-Shevchenkivska mini-HPP
- /87/ Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /88/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Korsun-Shevchenkivska HPP
- /89/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Korsun-Shevchenkivska HPP
- /90/ Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Korsun-Shevchenkivska HPP
- /91/ Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Korsun-Shevchenkivska HPP
- /92/ Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /93/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Steblivska HPP
- /94/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Steblivska HPP
- /95/ Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Steblivska HPP
- /96/ Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Steblivska HPP
- /97/ Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /98/ Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Lotashivska HPP
- /99/ Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Lotashivska HPP
- /100/ Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Lotashivska HPP
- /101/ Division of electric networks balance ownership and operational responsibilities



- of the Parties electric scheme at Lotashivska HPP
- /102) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
 - /103) Protocol on agreement of data exchange regulations between EEA “Novosvit” and SE “Enerhorynok”, dated 22/06/2009
 - /104) Note on EEA “Novosvit” planned actions
 - /105) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Lysyanskiy HPP
 - /106) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Lysyanskiy HPP
 - /107) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Lysyanskiy HPP
 - /108) Division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Lysyanskiy HPP
 - /109) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
 - /110) Statement on division of electric networks balance ownership and operational responsibilities of the Parties electric scheme at Lysyanska HPP
 - /111) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Lysyanskiy HPP
 - /112) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Sandratska HPP
 - /113) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Yablunitska HPP
 - /114) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Yablunitska HPP
 - /115) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Yablunitskiy HPP
 - /116) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
 - /117) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Koropetska HPP
 - /118) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Koropetska HPP
 - /119) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Koropetska HPP
 - /120) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
 - /121) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Schedrivska HPP
 - /122) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Schedrivska HPP
 - /123) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at



Schedrivska HPP

- /124) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /125) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Bodnarivska HPP
- /126) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Bodnarivska HPP
- /127) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Bodnarivska HPP
- /128) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics.
- /129) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Novo-Kostyantynivska HPP
- /130) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Novo-Kostyantynivska HPP
- /131) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Novo-Kostyantynivska HPP
- /132) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics at Novo-Kostyantynivska HPP.
- /133) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Korhivska HPP
- /134) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Korhivska HPP
- /135) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Korhivska HPP
- /136) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics at Korhivska HPP.
- /137) Annex #1 to agreement #5621/01. List of record keeping system and devices installation locations at Velykokughelevetska HPP
- /138) Annex #2 to agreement #5621/01. record keeping system and devices location linear plan at Velykokughelevetska HPP
- /139) Annex #3 to agreement #5621/01. Statement on division of electric networks balance ownership and operational responsibilities of the Parties at Velykokughelevetska HPP
- /140) Annex #4 to agreement #5621/01. Commercial data keeping complexes technical characteristics at Velykokughelevetska HPP.
- /141) Hourly electric supply to JISC "Khmelnyskobleno" grid in June 2009
- /142) Joint Implementation Project s Letter of Approval
- /143) Certificate on inclusion in automatic system for commercial measuring of power consumption Register ASCMPC EEA "Novosvit". Valid till 14/01/2011 to 30/06/2011
- /144) Certificate №CB510-2011 on Novokostyantynivska HPP modernized automatic system for commercial measuring of power consumption state metrological attestation, dated 14/03/2011



- /145/ Report #Y04728690/8.510-2011П Novokostyantynivska HPP modernized automatic system for commercial measuring of power consumption state metrological attestation, dated 14/03/2011
- /146/ Report #37 on Novo-Kostyantynivska HPP measuring voltage losses, load losses and power coefficient measuring dated 02/08/2005
- /147/ Report #333 on Schedrivska HPP measuring current transformers voltage losses, load losses and power coefficient measuring dated 12/05/2010
- /148/ Report #334 on Schedrivska HPP measuring current transformers voltage losses, load losses and power coefficient and voltage circuits losses in electric power meters measuring dated 12/05/2010
- /149/ Novo-Kostyantynivska HPP measuring complex passport-protocol
- /150/ Certificate №CB511-2011 on Schedrivska HPP modernized automatic system for commercial measuring of power consumption state metrological attestation, dated 14/03/2011
- /151/ Report # Y04728690/8.511-2011П on Schedrivska HPP automatic system for commercial measuring of power consumption state metrological attestation, dated 14/03/2011
- /152/ Schedrivska HPP measuring complex passport-protocol
- /153/ Report #335 on Schedrivska HPP measuring current transformers voltage losses, load losses and power coefficient measuring dated 12/05/2010
- /154/ Report #336 on Schedrivska HPP measuring current transformers voltage losses, load losses and power coefficient and voltage circuits losses in electric power meters measuring dated 12/05/2010
- /155/ Report #38 on Schedrivska HPP measuring voltage losses, load losses and power coefficient measuring dated 02/08/2005
- /156/ Passport and calibration certificate electric power meter типу ET 2A5E7URLT № 41544
- /157/ Passport and calibration certificate electric power meter типу ET 2A5E7URLT № 6777
- /158/ Passport and calibration certificate electric power meter типу ET 2A5E7URLT № 8448
- /159/ Passport and calibration certificate electric power meter типу ET 2A5E7URLT № 7107
- /160/ EEA “Novosvit” and LLC “Energoinvest” operational control centre control board
- /161/ EEA “Novosvit” and LLC “Energoinvest” operational control centre
- /162/ Schedrivska HPP entrance to turbine hall
- /163/ Schedrivska HPP gate
- /164/ Schedrivska HPP dam
- /165/ Schedrivska HPP main building
- /166/ Schedrivska HPP control room
- /167/ Electric meter ЕЛВІН ET 2A5E7URLT № 7636 with calibration marks
- /168/ Hydrogenerator #15051
- /169/ Hydro turbine vane’s angle variation mechanism
- /170/ Generators spider
- /171/ Schedrivska HPP electric meters logbook
- /172/ Schedrivska HPP principal electric scheme



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- /173/ Electric meter ENERGOMERA Ф68700В, №39013393
- /174/ Electric meter ЕЛБИН ET 2A5E7URLT № 6777 with calibration marks
- /175/ Schedrivska HPP distributing gear 10 kV electric meters compartment
- /176/ Schedrivska HPP distributing gear 10 kV compartments
- /177/ Novo-Kostyantynivska HPP main building
- /178/ Novo-Kostyantynivska HPP drain tunnel input
- /179/ Novo-Kostyantynivska HPP drain tunnel output
- /180/ Water measuring gage
- /181/ Novo-Kostyantynivska HPP dam
- /182/ Novo-Kostyantynivska HPP gate
- /183/ Hydrogenerators
- /184/ Electric meter ЕЛБИН ET 3B5E8URLT №27489
- /185/ Electric meter ЕЛБИН ET 3B5E8URLT №27490
- /186/ Electric meter ЕЛБИН ET 3B5E8URLT №27491
- /187/ Novo-Kostyantynivska HPP control room
- /188/ Electric meter ЕЛБИН ET 2B5E7URLT №38271
- /189/ Electric meters ЕЛБИН ET 2B5E7URLT №38271 and №41544
- /190/ Novo-Kostyantynivska HPP operational logbook
- /191/ Novo-Kostyantynivska HPP electric meters logbook
- /192/ Novo-Kostyantynivska HPP tail pond
- /193/ Korhivska HPP electric meters ЕЛБИН ET 2B5E7URLT №8448 and №7107
- /194/ Generators electric power meters ЕЛБИН 3B5E8URLT № 27492, №27493
- /195/ Generators
- /196/ Korhivska HPP operational logbook
- /197/ Korhivska HPP electric meters logbook
- /198/ Water measuring gage
- /199/ Korhivska HPP dam
- /200/ Korhivska HPP turbine hall entrance

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/ Kostyantyn Mandybura – vice-director of EEA “Novosvit” joined dispatcher centre
- /2/ Valeriy Klekit – vice director of “Energoinvest” LLC joined dispatcher centre
- /3/ Pavlo Midyanyi – Head Metrologist of EEA “Novosvit”
- /4/ Serhiy Lyamprekht – vice director of EEA “Novosvit” joined dispatcher centre
- /5/ Ivan Puzanov – engineer of Institute of Engineering Ecology



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APPENDIX A: COMPANY PROJECT 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?	<u>Corrective Action Request #01 (CAR01)</u> Information about Project Approval is missed in the Monitoring Report. Please add relevant information in the monitoring Report.	<u>CAR01</u>	OK
91	Are all the written project approvals by Parties involved unconditional?	See section #90 of this protocol	-	-
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?	<u>Corrective Action Request #02 (CAR02)</u> Please provide the JI registration number in the Monitoring Report. <u>Corrective Action Request #03 (CAR03)</u> Please explain in the Monitoring Report difference between emission reduction achieved during 2 nd monitoring period and	<u>CAR02</u> <u>CAR03</u>	OK OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		emission reduction indicated in the PDD		
93	What is the status of operation of the project during the monitoring period?	<p><u>Clarification Request #01 (CL01)</u> Monitoring report indicates that three small Hydro Power Plants were put into operation during the monitoring period. Please provide in the Monitoring Report name, location and installed capacity of HPPs.</p> <p><u>Clarification Request #02 (CL02)</u> Please add in the geographical description more information on each Project HPPs.</p>	<p><u>CL01</u></p> <p><u>CL02</u></p>	<p>OK</p> <p>OK</p>
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?	The monitoring occurred 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	Yes. The key factors, e.g. those listed in 23 (b) (i)-(vii) of the DVM check list, 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 for calculating the emission reductions.	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	and the emissions or removals as well as risks associated with the project taken into account, as appropriate?			
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	The data sources used for calculating emission reductions are clearly identified, reliable and transparent	OK	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?	The emissions factor used for calculation the emission reductions is selected with accuracy and reasonableness and appropriately justified of the choice.	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?	The calculation of emission reduction is 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	Not applicable	Not	Not



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	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?		applicabl e	applicabl e
Applicable to bundled JI SSC projects only				
97 (a)	Has the composition of the bundle not changed from that is stated in F-JI-SSCBUNDLE?	Not applicable	Not applicabl e	Not applicabl e
97 (b)	If the determination was conducted on the basis of an overall monitoring plan, have the project participants submitted a common monitoring report?	Not applicable	Not applicabl e	Not applicabl e
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?	Not applicable	Not applicabl e	Not applicabl e



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	Do the monitoring periods not overlap with those for which verifications were already deemed final in the past?			
Revision of monitoring plan				
Applicable only if monitoring plan is revised by project participant				
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	Not applicable	Not applicable	Not applicable
99 (b)	Does the proposed revision improve the accuracy and/or applicability of information collected compared to the original monitoring plan without changing conformity with the relevant rules and regulations for the establishment of monitoring plans?	Not applicable	Not applicable	Not applicable
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	The data collection procedures are in accordance with monitoring plan, including the quality control and quality assurance procedures.	OK	OK



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
101 (b)	Is the function of the monitoring equipment, including its calibration status, is in order?	The function of monitoring equipment is in order. Electric meters are in calibration interval according to actual Ukraine National standards.	OK	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	The evidence and records used for the monitoring are maintained in a traceable manner.	OK	OK
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	<u>Corrective Action Request #04 (CAR04)</u> Please submit any document which indicates that the data monitored and required for ERUs calculation will be kept during two years after the end of crediting period.	CAR04	OK
Verification regarding programs of activities (additional elements for assessment)				
102	Is any JPA that has not been added to the JI PoA not verified?	Not applicable	Not applicable	Not applicable
103	Is the verification based on the monitoring reports of all JPAs to be verified?	Not applicable	Not applicable	Not applicable
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	Not applicable	Not applicable	Not applicable



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
104	Does the monitoring period not overlap with previous monitoring periods?	Not applicable	Not applicable	Not applicable
105	If the AIE learns of an erroneously included JPA, has the AIE informed the JISC of its findings in writing?	Not applicable	Not applicable	Not applicable
Applicable to sample-based approach only				
106	Does the sampling plan prepared by the AIE: (a) Describe its sample selection, taking into account that: (i) For each verification that uses a sample-based approach, the sample selection shall be sufficiently representative of the JPAs in the JI PoA such extrapolation to all JPAs identified for that verification is reasonable, taking into account differences among the characteristics of JPAs, such as: – The types of JPAs; – The complexity of the applicable technologies and/or	Not applicable	Not applicable	Not applicable



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	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?	Not applicable	Not applicable	Not applicable
108	Has the AIE made site inspections of at least the square root of the number of total JPAs, rounded to the upper whole number? If the AIE makes no site inspections or fewer site inspections than the square root	Not applicable	Not applicable	Not applicable



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DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	of the number of total JPAs, rounded to the upper whole number, then does the AIE provide a reasonable explanation and justification?			
109	Is the sampling plan available for submission to the secretariat for the JISC.s ex ante assessment? (Optional)	Not applicable	Not applicable	Not applicable
110	If the AIE learns of a fraudulently included JPA, a fraudulently monitored JPA or an inflated number of emission reductions claimed in a JI PoA, has the AIE informed the JISC of the fraud in writing?	Not applicable	Not applicable	Not applicable

Table 2 Resolution of Corrective Action and Clarification Requests

Draft report clarifications and corrective action requests by validation team	Ref. to checklist question in table 1	Summary of project participant response	Verification conclusion	team



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<p><u>Corrective Action Request #01</u> Information about Project Approval is missed in the Monitoring Report. Please add relevant information in the monitoring Report.</p>	<p><u>CAR01</u></p>	<p>The State Environmental Investment Agency of Ukraine has issued the Letter of Approval on behalf of Ukraine for this project No. 1819/23/7 dated 13.07.2011. The Ministry of Economic Affairs of the Netherlands (Party of Buyer) has issued the Letter of Approval on behalf of The Netherlands for this project No. 2010JI09 dated April 13, 2010. This information is added into the Monitoring Report version 02.</p>	<p>The issue is closed</p>
<p><u>Corrective Action Request #02</u> Please provide the JI registration number in the Monitoring Report.</p>	<p><u>CAR02</u></p>	<p>This project is being realized under the national procedure (Track 1) and thus has no JI registration number</p>	<p>The issue is closed</p>



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<p><u>Corrective Action Request #03</u> Please explain in the Monitoring Report difference between emission reduction achieved during 2nd monitoring period and emission reduction indicated in the PDD</p>	<p><u>CAR03</u></p>	<p>The differences between emission reductions indicated in the PDD for 2008 – 2009, and achieved during 2008 - 2009 and listed in the Monitoring Report # 55-M / 02 for the same years, are caused by the following reasons: 1. The amount of electricity generated by a HPP is dependent on the differences in operation conditions that are not under the control of a small HPP operator, for example on water levels on the upper and lower ponds. It is difficult to ex-ante foresee water levels and thus to predict exactly the amount of generated electricity. This caused the difference in amounts of reductions in 2009. Difference in amounts of reductions in 2008 and 2009.</p>	<p>The issue is closed</p>
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		<p>2. In the PDD the values of GHG emission factor (CEF) were used according to the document "Ukraine – Assessment of new calculation of CEF" developed by Global Carbon and confirmed by TÜV SÜD: 0.807 t CO₂e/MWh for 2008 and 2009. In the Monitoring Report the values of CEF were used according to the recent Orders of the National Environmental Investment Agency of Ukraine, that is 1.055 t CO₂e/MWh for 2008 (Order No. 62 dated 15.04.2011) and 1.068 t CO₂e/MWh for 2009 (Order No. 63 dated 15.04.2011).</p>	<p>The issue is closed</p>
<p><u>Corrective Action Request #04</u> Please submit any document which indicates that the data monitored and required for ERUs calculation will be kept during two years after the end of crediting period.</p>	<p><u>CAR04</u></p>	<p>The data monitored and required for ERUs calculation will be kept during two years after the end of crediting period, according to the Order # 13/11 dated 01.06.2011, on formation of the operational team and storage term of documents. This Order may be submitted to AIE by EEA "Novosvit"</p>	<p>The issue is closed</p>



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<p><u>Clarification Request #01</u> Monitoring report indicates that three small Hydro Power Plants were put into operation during the monitoring period. Please provide in the Monitoring Report name, location and installed capacity of HPPs.</p>	<p><u>CL01</u></p>	<p>This information is added into the Monitoring Report version 02</p>	<p>The issue is closed</p>
<p><u>Clarification Request #02</u> Please add in the geographical description more information on each Project HPPs.</p>	<p><u>CL02</u></p>	<p>This information is added into the Monitoring Report version 02. For detailed information about implemented project activity, location and installed capacity of HPPs see Annex 2.1 of this Monitoring Report</p>	<p>The issue is closed</p>