VERIFICATION REPORT VEMA S.A.

VERIFICATION OF THE DEVELOPMENT AND IMPROVEMENT OF WATER-SUPPLY SYSTEMS, DRAINAGE SYSTEM AND WASTEWATER TREATMENT OF CE "DNIPROVODOKANAL"

1ST PERIODIC
FOR THE PERIOD OF 01/01/2008 - 30/11/2012

REPORT NO.UKRAINE-ver/0902/2012
REVISION NO. 02

BUREAU VERITAS CERTIFICATION

Report No: UKRAINE-ver/0902/2012

VERIFICATION REPORT

Date of first issue: 24/12/2012	Organizational unit: Bureau Veritas Certification Holding SAS
Client: VEMA S.A.	Client ref.: Fabian Knodel

Summary:

Bureau Veritas Certification has made the 1st periodic verification for the period of 01/01/2008–30/12/2012 of the "Development and improvement of water-supply systems, drainage system and wastewater treatment of CE "Dniprovodokanal", project of VEMA S.A., located in Dnipropetrovsk, 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 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 determination, from Contract Review to Determination 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 per determined changes. 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 480 916 tonnes of CO2 equivalent for the monitoring period from 01/01/2008 to 30/11/2012.

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

Report No: UKRAINE-ver/0902/2012	Subject Group: JI	
Project title: Development and improvement of water-supply systems, drainage system and wastewater treatment at UC "Dniprovodokanal"		
Work carried out by: Oleg Skoblyk – Team Leader, Climate Change Lead Verifier Kateryna Zinevych – Team Member, Climate Change Verifier		
Work reviewed by: Ivan Sokolov - Internal Technical Reviewer		
Work approved by: Ivan Sokolov – Climate Change Operational Manager		
Date of this revision: 28/12/2012	Revision No.: 01	Number of pages: 39

Bureau Veritas Certification Holding SAS

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1 INTRODUCTION

VEMA S.A. has commissioned Bureau Veritas Certification to verify the emissions reductions of its JI project “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal” (hereafter called “the project”) in Dnipropetrovsk, 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.

Verification encompasses the period from January 1, 2008 to November 30, 2012.

1.1 Objective

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

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

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

1.2 Scope

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

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:

Oleh Skoblyk
Bureau Veritas Certification Team Leader, Climate Change Lead Verifier

Kateryna Zinevych
Bureau Veritas Certification Team Member, Climate Change Verifier

This verification report was reviewed by:

Ivan Sokolov
Bureau Veritas Certification Internal Technical Reviewer

2 METHODOLOGY

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

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

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

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

2.1 Review of Documents

The Monitoring Report (MR) submitted by VEMA S.A. and additional background documents related to the project design and baseline, i.e. country Law, Project Design Document (PDD), Approved CDM methodology, Determination Report for the project, issued by TÜV Rheinland Ukraine Ltd., No.01 998 9105072318, version 02 dated 03/12/2012, and 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 for the period of 01/01/2008 – 30/11/2012, version 01 of 14/12/2012 and version 02 of 25/12/2012, and project as described in the determined PDD.

2.2 Follow-up Interviews

On 13/12/2012 Bureau Veritas Certification performed on-site interviews with project stakeholders (at CE "Dniprovodokanal" pumping plants) to confirm selected information and to resolve issues identified in the document review. Representatives of CE "Dniprovodokanal" and VEMA S.A. were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
CE "Dniprovodokanal"	➢ Organizational Structure ➢ Responsibility and authority ➢ Roles and responsibilities on data collection and processing ➢ Installation of equipment ➢ Data registering, archiving and reporting

	➢ Control of metering equipment ➢ System of measurements record keeping, database ➢ IT management ➢ Personnel training ➢ Procedures and technology of Quality Management ➢ Internal audit and control activities
Consultant: VEMA S.A.	➢ Baseline methodology ➢ Monitoring plan ➢ Monitoring Report ➢ Deviations from the PDD

2.3 Resolution of Clarification, Corrective and Forward Action Requests

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

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

(a) Corrective action request (CAR), requesting the project participants to correct a mistake that is not in accordance with the monitoring plan;

(b) Clarification request (CL), requesting the project participants to provide additional information for the Verification Team to assess compliance with the monitoring plan;

(c) Forward action request (FAR), informing the project participants of an issue, relating to the monitoring that needs to be reviewed during the next verification period.

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

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

3 VERIFICATION CONCLUSIONS

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

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

The Clarification, Corrective and Forward Action Requests are stated, where applicable, in the following sections and are further documented in the Verification Protocol in Appendix A. The verification of the Project resulted in 8 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

FAR 1 (absence of a written approval by the host party) raised during the determination, closed upon provision of the Letter of Approval to Bureau Veritas Certification Holding SAS.

3.2 Project approval by Parties involved (90-91)

The project has received an approval from the Host Party (Ukraine) - Letter of Approval No.3867/23/7 dated 19/12/2012, issued by the State Environmental Investment Agency of Ukraine, as well as written approval from ERU purchaser (Switzerland) - Letter of Approval No.J294-0485 dated 23/11/2012, issued by the Swiss Federal Office for the Environment (FOEN).

The abovementioned written approvals are unconditional.

3.3 Project implementation (92-93)

The project's main purpose is reduction of electric energy consumption by modernization and development of central water supply, drainage and wastewater treatment systems, which includes replacement and modernization of pumps and water distribution and water drainage systems, installation of frequency regulators and optimization of the technological process of water pumping in Dnipropetrovsk city. Implementation of the above-mentioned technologies will allow for a decrease of greenhouse gas emissions (CO2) and promote sustainable development of the city.

The project activity is aimed at:

- Decrease of national economy's dependence on import of energy and increase of country's energy security;
- Improvement in quality of water supply and water treatment before water is supplied to customers;
- high rates of labor and health protection;
- High rates of labor and health protection;
- Improvement of the global ecology state (counteraction in response to global climate change by means of reduction of greenhouse gases (GHG) emissions into the atmosphere).

The project provides for GHG emission reductions due to:

– modernization of pumping equipment;
– replacement of pumping equipment;

- optimisation of the technological process of water pumping, i.e. change of operation modes of pumping plants;
- replacement of water supply and drainage networks;
- replacement of shut-off and control valves;
- installation of a new set of metering devices;
- modernisation of water treatment technology;
- installation of frequency regulators;
- modernisation of aerotanks.

The project activities started at the end of 2004 with first measures on optimization of technological process of water pumping. Since introduction of project activities started at the end of 2004, which is taken as a baseline year, in terms of conservatism, emission reductions from these implementations are not included in the project.

Activities implemented during the reporting period from January 1, 2008 to November 30, 2012, include:

Table 2 Implementation status of the project over 01/01/2008–30/11/2012

No.	Activities	Number of work units done during 01/01/2008 – 30/11/2012	Starting date of implementation of project activities	Estimated end date of implementation of project activities
1	Modernisation of pumping equipment	4 units	01/01/2008	30/11/2012
2	Replacement of pumping equipment	17 units	01/01/2008	30/11/2012
3	Replacement of shut-off and control valves	2484 units	01/01/2008	30/11/2012
4	Replacement of water distribution/water supply networks	25 561/12 441 r.m.	01/01/2008	30/11/2012
5	Installation of new set of metering devices	9 units	01/01/2008	30/11/2012
6	Installation of frequency regulators	14 units	01/01/2008	30/11/2012

Implementation of project activities is carried out mainly according to the schedule provided in the determined PDD version 02.

For more details on activities implemented and equipment installed during the reporting period from January 1, 2008 to November 30, 2012, by departments and administrations, see Annex 4 to the Monitoring Report.

Starting date of the crediting period remained unchanged and is deemed the date when first emission reduction units were generated, namely: January 01, 2005.

The monitoring system is existing and functioning.

Monitoring equipment, such as electricity meters and flow metersand other metering devices, is installed and in line with the industry standards of Ukraine. All monitoring equipment is included into the detailed verification (calibration) schedule and is calibrated at a frequency set by the manufacturer.

The project activity does not provide for any negative environmental impact. The only environmental impact is dismantled equipment, which will be further utilized as scrap.

CE "Dniprovodokanal" has all necessary reports, permits and licenses required under the Ukrainian legislation, including:

- Permit for special water use;
- Form 2-TP (VODHOSP), Report on water use;
- Form 11-MTP, report on the use of fuel, heat and electricity.

The implementation of this project allows to improve the service of water consumers. The experience of CE "Dniprovodokanal" staff and compliance with regulations on "Drinking water and drinking water supply" allows for minimisation of risks of any emergencies during the project implementation.

The identified areas of concern as to the project implementation, project participants' responses and conclusions of Bureau Veritas Certification 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 such as volume of water pumped by water supply, drainage and air tank systems; electricity consumption by water supply, drainage and air tank systems; existing tariffs for water supply and drainage; state policy in drinking water and drinking water supply; experience in implementation of

project activities; existing practice in Ukraine in this field; financial costs and experience; policy of sectoral reforms in water supply and legislation influencing the baseline emissions; activity level of the project and project emissions; as well as risks associated with the project were taken into account, as appropriate.

Sources of data that were used for calculation of emission reductions such as calibrated metering equipment, research of carbon dioxide emission factors, etc. are clearly defined, credible and transparent.

Emission factors used for emission reductions calculations were selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice. Carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine in period *y* ($EF_{CO_2,ELEC,y}$) were set in accordance with Decrees:

- No.62 dated 15/04/2011 "On approval of carbon dioxide emission factors for 2008";
- No.63 dated 15/04/2011 "On approval of carbon dioxide emission factors for 2009";
- No.43 dated 28/03/2011 "On approval of carbon dioxide emission factors for 2010";
- No.75 dated 12/05/2011 "On approval of carbon dioxide emission factors for 2011";
- No.75 dated 12/05/2011 "On approval of carbon dioxide emission factors for 2012".

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

The monitoring periods per component of the project are clearly specified in the monitoring report and do not overlap with those for which verifications were already deemed final in the past.

The identified areas of concern as to the compliance of the monitoring plan with the monitoring methodology, project participants' responses and conclusions of Bureau Veritas Certification are described in Appendix A to this report (refer to CAR 02, CAR 03, CAR 04, CAR 05, CAR 06, CAR 07, CL 01, CL 02).

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.

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

According to current legislation "On metrology and metrological activity", all metering equipment in Ukraine must meet the specified requirements of relevant standards and is subject to a periodic check.

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 PDD and the monitoring plan.

The project and baseline emissions subject to monitoring relate to the electricity consumption by the pumping equipment used for water transportation as this is the only emission source attributable to the current project.Baseline emissions were calculated for the period of 1998-2004 using the method of least squares.

The monitoring procedure provides for:

1) Control of electricity consumption by CE "Dniprovodokanal";

2) Control of water supplied by CE "Dniprovodokanal" to consumers;

3) Control of wastewater drained by CE "Dniprovodokanal" from consumers.

Based on the obtained data that are subject to metering and control CE "Dniprovodokanal" prepares the following documents:

- Invoice of OJSC "Dnipropetrovskoblenergo" for electricity consumed (executed by consumer department of electricity supplier based on data from "Certificate of electricity supplied" approved by CE "Dniprovodokanal" representative);
- Report on electricity consumption 11-MTP signed by CE "Dniprovodokanal" Director and submitted to the Dnipropetrovsk Regional State Administration;
- Report 2-TP (vodhosp) is executed based on monthly references and shall be submitted every three months, half-year and annually to the Dnipropetrovsk Department of Water Resources. Payment for water supplied to the consumer shall be made according to such report.

CE "Dniprovodokanal" collects and stores data on electricity and water purchased by the water supply system, water drainage and wastewater treatment systems as invoices for electricity, water pumped, wastewater pumped, which is transferred to the wastewater treatment system.

Structure of monitoring data collection at CE "Dniprovodokanal" is the following:

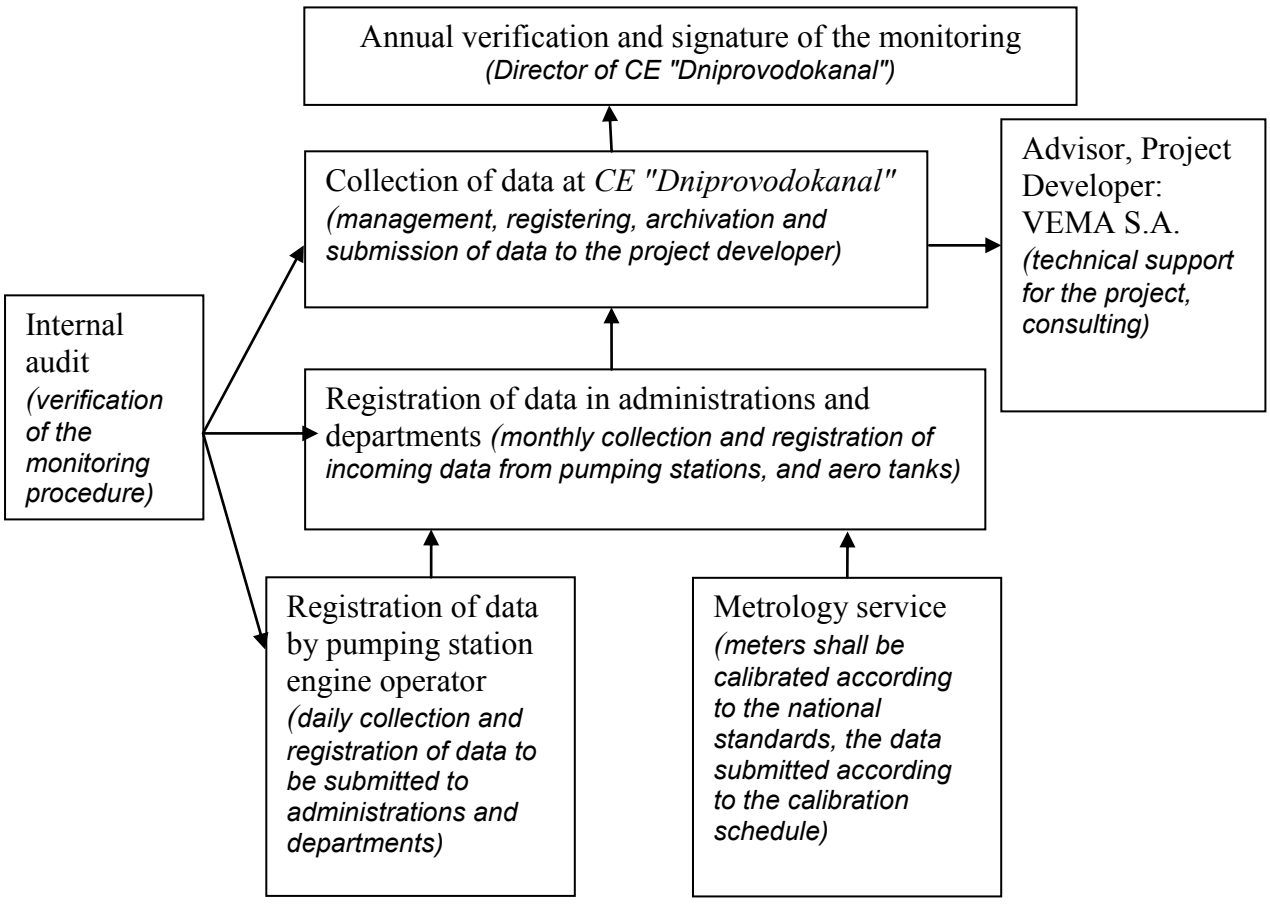

Figure 1 Structure of monitoring data collection

All necessary information for monitoring of GHGs emission reductions is stored in paper or/and electronic copies and will be stored till the end of the crediting period and for two years since the last ERU transaction.

The Monitoring Report version 02 provides sufficient information on the roles, responsibilities and authorities assigned for implementation and maintenance of monitoring procedures including data management. The verification team confirms effectiveness of the existing management and operational systems and found them eligible for reliable project monitoring.

3.7 Verification regarding programmes of activities (102-110)

Not applicable.

4 VERIFICATION OPINION

Bureau Veritas Certification has performed the 2nd periodic verification for the period of 01/01/2008–30/11/2012 of the ""Development and improvement of water-supply systems, drainage system and wastewater treatment of CE "Dniprovodokanal" 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 CE "Dniprovodokanal" is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project. VEMA S.A. provides consulting support to CE "Dniprovodokanal" in regards to data collection issues and is responsible for the preparation of the monitoring report on the basis set out within the project Monitoring Plan indicated in the final PDD version 02.

Bureau Veritas Certification verified the Project Monitoring Report version 02 for the reporting period of 01/01/2008–30/11/2012, 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.

Emission reductions achieved under the project in the period of 01/01/2008 - 30/11/2012 do not differ much from the amount stipulated for the same period in the determined PDD. For emission reductions stipulated by the determined PDD version 02, MR version 02, see Table 4 below.

Table 4 Emission reductions stipulated by the determined PDD version 02 and MR version 02

Period	**Estimated GHG emission reductions from the determined PDD, in tonnes of CO_2e**	**Ex-post GHG emission reductions from the Monitoring Report, in tonnes of CO_2e**
2008	114 596	114 596
2009	107 503	107 504
2010	103 563	103 563
2011	84 409	80 589
01/01/2012-30/11/2012	77 375	74 664
Total	**487 446**	**480 916**

This is attributable to the fact that it was impossible to obtain precise data to calculate GHG emission reductions for the reporting period at the moment of PDD development. All the required information has been provided to calculate GHG emissions for the reporting period, which ensured accurate calculation of emissions in the baseline and the project scenarios. Emission reductions for the period of 01/01/2012-30/11/2012, stipulated by the determined PDD, were calculated by dividing the total annual emission reductions stated in the PDD by 12 (12 months) and multiplying by 11 (11 months).

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

Reporting period: from 01/01/2008 to 30/11/2012

In the period of 01/01/2008 - 31/12/2008

Baseline emissions	:	279 957	t CO_2 equivalent.
Project emissions	:	165 361	t CO_2 equivalent.
Emission reductions	:	114 596	t CO_2 equivalent.

In the period of 01/01/2009 - 31/12/2009

Baseline emissions	:	261 784	t CO_2 equivalent.
Project emissions	:	154 280	t CO_2 equivalent.
Emission reductions	:	107 504	t CO_2 equivalent.

In the period of 01/01/2010 - 31/12/2010

Baseline emissions	:	247 614	t CO_2 equivalent.
Project emissions	:	144 051	t CO_2 equivalent.
Emission reductions	:	103 563	t CO_2 equivalent.

In the period of 01/01/2011 - 31/12/2011

Baseline emissions	:	207 731	t CO_2 equivalent.
Project emissions	:	127 142	t CO_2 equivalent.
Emission reductions	:	80 589	t CO_2 equivalent.

In the period of 01/01/2012 - 30/11/2012

Baseline emissions	:	191 893	t CO_2 equivalent.
Project emissions	:	117 229	t CO_2 equivalent.
Emission reductions	:	74 664	t CO_2 equivalent.

Total amount in the period: from 01/01/2008 to 30/11/2012

Baseline emissions	:	1 188 979	t CO_2 equivalent.
Project emissions	:	708 063	t CO_2 equivalent.
Emission reductions	:	480 916	t CO_2 equivalent.

5 REFERENCES

Category 1 Documents:

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

/1/	Monitoring Report of JI project “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal” for the period of 01/01/2008-30/11/2012, version 01 dated 14/12/2012.
/2/	Monitoring Report of JI project “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal” for the period of 01/01/2008-30/11/2012, version 02 dated 25/12/2012.
/3/	Annex 1: Parameters of the Monitoring Plan
/4/	Annex 2: Project and monitoring equipment (Excel file)
/5/	Annex 3: Calculation of tCO2e emission reductions due to electricity savings in water supply, drainage and wastewater treatment system of CE "Dniprovodokanal" in the monitoring period of 01/01/2008-30/11/2012 (Excel file)
/6/	Annex 4: Activities that were implemented within the project (Excel file)
/7/	Annex 5: Monitoring values of the parameters used for GHG emission calculation (Excel file)
/8/	PDD “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal”, version 02 dated 28/11/2012
/9/	TÜV Rheinland Ukraine Ltd. Determination Report for the project “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal”, No.01 998 9105072318 version 02 dated 03/12/2012
/10/	Letter of Approval for the JI project “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal” No.3867/23/7 issued by the State Environmental Investment Agency of Ukraine dated 19/12/2012
/11/	Letter of Approval of the project under article 6 of the Kyoto Protocol (JI) “Development and improvement of water-supply systems, drainage system and wastewater treatment of CE “Dniprovodokanal” No.J294-0485, issued by the Federal Office for the Environment (FOEN) of Switzerland on 23/12/2012.

Category 2 Documents:
Background documents related to the design and/or methodologies employed in the design or other reference documents.

/1/	Decree on terms of storage of data concerning JI project at CE "Dniprovodokanal" dated 15/12/2004
/2/	Photographic material. Scheme of Dnipropetrovsk water supply and sewage. (14 photos)
/3/	Photographic material. Southern aeration station. (33 photos)
/4/	Photographic material. Acoustic Flowmeter with integrator "ECHO-R-02."
/5/	Journal of accounting drainage by measurement facilities, was started 01.01.2007 (13 sheets)
/6/	Photographic material. Drainage pumping station #52, ME "Dnieprovodokanal." (12 photos)
/7/	Journal of Accounting electrical energy of input # 1 and # 2, the TP-6033 and NSV-52.
/8/	Photographic material. Drainage pumping station #61, ME "Dnieprovodokanal." (32 photos)
/9/	Journal of Accounting electricity consumption of NSV-61. (5 sheets).
/10/	Form, ultrasound water heat detector, "ЭRHOMERA-125" # 3378 12 VNS # 2. (4 sheets).
/11/	Form, ultrasound water heat detector, "ЭRHOMERA-125" # 3379 12 VNS # 3. (4 sheets).
/12/	Form, ultrasound water heat detector, "ЭRHOMERA-125" # 3381 12 VNS # 4. (3 sheets).
/13/	Form, ultrasound water heat detector, "ЭRHOMERA-125" # 3382 12 VNS # 5. (4 sheets).
/14/	Form, ultrasound water heat detector, “ERHOMERA-125" # 3383 12 12 KNFS № 4. (3 sheets).
/15/	List of measuring instruments (MI), which are in operation and are subject to calibration in 2012, electrical and magnetic measurements. Approved 10/24/2012. (4 sheets).
/16/	List of measuring instruments (MI), which are in operation and are subject to calibration in 2012, geometrical measurements. Approved 10/24/2012. (4 sheets).
/17/	List of measuring instruments (MI), which are in operation and are subject to calibration in 2012, mechanical measurements. Approved 10/24/2012. (2 sheets).
/18/	List of measuring instruments (MI), which are in operation and are subject to calibration in 2012, measurement of parameters of flow, flow, level and volume of substances. Approved 10/24/2012. (4 sheets).

/19/	Table 3. Introduction of valves (01/01/2012-31/07/2012)
/20/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 160/20) dated 30/09/2007
/21/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 160/20 A) dated 30/01/2007
/22/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DAV 110/180) dated 30/11/2011
/23/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DAV 110/180) dated 15/10/2007
/24/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 20/30) dated 21/02/2011
/25/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 140 D 70) dated 13/04/2005
/26/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 140 D 70) dated 08/08/2008
/27/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit TsN 400-105) dated 29/08/2006
/28/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit KM 50-32-125) dated 13/10/2011
/29/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 80/32) dated 17/11/2007
/30/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 80/32) dated 24/12/2005
/31/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 140 D 70) dated 08/08/2008
/32/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 20/30) dated 21/02/2011
/33/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 140 D 70) dated 20/03/2005
/34/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DAV 110/180) dated 30/11/2011
/35/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit Kh 30-12-125K) dated 31/01/2011
/36/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO MHI-803) dated 31/08/2011
/37/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit GNOM 10-10T) dated 31/12/2010
/38/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO MHI-803) dated 31/07/2010

/39/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO MHI-803) dated 27/12/2010
/40/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit UPS2S-800 FM) dated 27/12/2004
/41/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit GNOM 40-25) dated 30/09/2009
/42/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 320-50) dated 30/10/2009
/43/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 200-90) dated 31/12/2008
/44/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit VVN-12) dated 31/10/2008
/45/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SDV 80/18) dated 31/01/2008
/46/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO) dated 31/01/2008
/47/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 2000-100) dated 31/12/2007
/48/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 800/52) dated 17/11/2007
/49/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 200/90) dated 31/12/2006
/50/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 2500/62) dated 21/04/2006
/51/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 2000-21) dated 31/12/2005
/52/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 160/45) dated 31/07/2005
/53/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit S-204) dated 30/11/2004
/54/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit S-204) dated 30/11/2004
/55/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 140 D 70) dated 30/11/2004
/56/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 2000-100) dated 20/10/2009
/57/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DRO 75/2032V) dated 20/10/2009

/58/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit KM 65-50-160) dated 24/04/2007
/59/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DRP400/2/80AOF-T-E) dated 16/05/2006
/60/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit LSWt3BM) dated 12/01/2006
/61/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit jswm3BM) dated 13/03/2005
/62/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 10/25) dated 30/09/2007
/63/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit VVN 1-6) dated 03/10/2008.
/64/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 3k6) dated 12/08/2006.
/65/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit DME 19-6) dated 12/11/2004.
/66/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit x 50-32-125 EC) dated 27/01/2011.
/67/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit x 50-32-125 K) dated 26/01/2011.
/68/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 2500x62) dated 30/03/2007.
/69/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 2500x62) dated 23/12/2006.
/70/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit X80-65-160 ESD) dated 31/01/2010.
/71/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 100-65-200) dated 23/11/2006.
/72/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 200/36) dated 17/11/2007.
/73/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit K 80-50-200) dated 17/11/2007.
/74/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit D 200-36b) dated 17/11/2007.
/75/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 32-40) dated 31/01/2005.
/76/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit MHI 803) dated 22/06/2007.

/77/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SN 80-50-200) dated 23/11/2006.
/78/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit MHI 803) dated 22/07/2007.
/79/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO MHI 803) dated 22/07/2007.
/80/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit WILO MHI 803) dated 30/10/2011.
/81/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit CM 125-30-315/4) dated 25/12/2010.
/82/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit 4NF 8 m3/ch) dated 25/12/2010.
/83/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 800/32) dated 30/05/2008.
/84/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit SD 160/104) dated 31/03/2008.
/85/	Certificate of maintenance check of mechanical equipment (commissioning of new equipment - pumping unit FG 210/14) dated 31/01/2008.
/86/	Emission reductions purchase agreement relating to the Joint Implementation project between VEMA S.A. and Communal Enterprise “Dniprovodokanal” of Dnipropetrovsk City Council, dated 01.08.2011 (17 pages).
/87/	Cover letter on package of documents submission from Orel Kostyantyn Yevgeniyovych (Acting Director of CE “Dniprovodokanal”) to Fabian Knodel (Director, VEMA S.A.).
/88/	Letter #122 dated 05/12/2011 from Fabian Knodel (Director, VEMA S.A.) to Orel Kostyantyn Yevgeniyovych (Acting Director of CE "Dniprovodokanal”) on receiving package of documents and necessary information in corpore.
/89/	Statement of capital assets availability of CE “Dniprovodokanal” on 30/10/2011 (2 pages).
/90/	Questionnaire for preliminary estimation of greenhouse gas (GHG) emission reductions.
/91/	License series AG № 500019 for central water supply and wastewater, CE “Dniprovodokanal” Dnipropetrovsk City Council. Issued by the National Electricity Regulatory Commission of Ukraine (NERC). Expiry date of 09/01/2011 to 08/31/2015
/92/	Resolution № 1521 of 01.09.2011 National Energy Regulatory Commission of Ukraine (NERC). On issuance CE “Dniprovodokanal” Dnipropetrovsk city council license.
/93/	Extract series AAB number 490711 from the unified state register of legal entities and individual entrepreneurs, CE "Dnieprovodokanal" Dnipropetrovsk City Council. Date of issue: 18/08/2003

/94/	Certificate Series AOS number 406766 from 14.08.2003 on state registration of legal entity City Municipal Production Enterprise "Dnieprovodokanal"
/95/	Order № 276-rk from 20/06/2011 Dnieper city head of performance of official commitments director CE "Dniprovodokanal" Dnipropetrovsk City Council
/96/	Special water use permit for CE "Dniprovodokanal" Dnipropetrovsk City Council on 01/01/2012. Issued by State Department of Environmental Protection in the Dnipropetrovsk region (3 pages).
/97/	Certificate № 61. Published Metrological Service Ltd. ("RUDMAH") of the Ministry of Regional Development, Construction and Housing and Communal Services of Ukraine December 28, 2011, effective until December 28, 2015
/98/	A copy of the Statute of CE "Dniprovodokanal" Dnipropetrovsk City Council (revised), Dnipropetrovsk city, 2011, pages 1 and 3. (2 pages).
/99/	List of structural units CE "Dnieprovodokanal" City Council
/100/	Technical characteristics of objects CE "Dniprovodokanal" (5 sheets)
/101/	Information of water and wastewater in the enterprise (2 sheets)
/102/	Certificate № 62/1. Published Metrological Service Ltd. ("RUDMAH") of the Ministry of Regional Development, Construction and Housing and Communal Services of Ukraine July 23, 2011, effective until December 27, 2011
/103/	Certificate № 116/1. Published Metrological Service Ltd. ("RUDMAH") of the Ministry of Regional Development, Construction and Housing and Communal Services of Ukraine July 23, 2011, effective until December 29, 2013
/104/	Set (replacement) of electricity to Annex 3 of the report of the Monitoring Project - measures that have been implemented under the project 2008-2011 (3 sheets).
/105/	Certificate Validation (replacement) settlement metering electricity dated 01/12/2008, CE "Dniprovodokanal"
/106/	Certificate Validation (replacement) settlement metering electricity dated 08/09/2008, CE "Dniprovodokanal"
/107/	Technical data sheet 3-phase current measuring complex NSV-72
/108/	Certificate of sealing of metering devices, CE “Dniprovodokanal" TP-1567
/109/	Contract № 23 dated February 17, 2009 pursuant to contract work between CE “Dniprovodokanal" (Customer) and "Alliance" (Contractor) (2 sheets)
/110/	Reference on cost of contract work performed on February 2009 the contract # 23 dated February 2, 2009.
/111/	Act of delivery and acceptance to Contract № 23 dated 17.02.2009
/112/	Passport. Instruction manual control station has 2 engines "Cascade FC" Ukraine 2008 (4 sheets).
/113/	Working Draft automated control system for induction motors st. Yubileyna CE “Dniprovodokanal”, Dnipropeterovsk city using variable-frequency drive, LLC PTTS "Dinamo-continent" (2 pages).

/114/	Contract № 28 dated February 17, 2009 pursuant to contract work between CE "Dniprovodokanal" (Customer) and "Alliance" (Contractor) (1 sheets)
/115/	Act of delivery and acceptance to Contract № 28 dated 17/02/2009
/116/	Help with the cost of contract work performed on February 2009 the contract № 28 dated February 02, 2009
/117/	Contract № 27 dated February 17, 2009 pursuant to contract work between CE "Dniprovodokanal" (Customer) and "Alliance" (Contractor) (2 sheets)
/118/	Act of delivery and acceptance to Contract № 27 dated 17.02.2009
/119/	Help with the cost of contract work performed on February 2009 the contract № 27 dated February 02, 2009
/120/	Act of delivery and acceptance to Contract № 1375 dated 17.12.2009
/121/	Expenditure invoice No. 4368 dated 30/12/2010
/122/	Help with the cost of contract work performed on February 2009 the contract № 30 dated February 02, 2009
/123/	Expenditure invoice No. 0-14 dated 22/10/2009
/124/	Contract No. 12/198 dated 21/03/2011 between CE “Dniprovodokanal” (Customer) and PE “Multi-profile private firm “Pivdenbud”" (Contractor) (2 sheets)
/125/	Contract No. 1808/11 dated 18/08/2011 between CE “Dniprovodokanal” (Customer) and LLC “Dniproremont” (Contractor) (2 sheets)
/126/	Contract No. 10 dated 05/04/2011 between CE “Dniprovodokanal” (Customer) and PE “Multi-profile private firm “Pivdenbud”" (Contractor) (2 sheets).
/127/	Passport of parallel double-disk valve PN 10. Tecnical description and instruction manual GL 16003-000 PS (GL 16003-050 TO)
/128/	Passport of parallel double-disk valve PN 10. Tecnical description and instruction manual GL 16003-000 PS (GL 16003-150 TO)
/129/	Passport of parallel double-disk valve PN 10. Tecnical description and instruction manual GL 16003-000 PS (GL 16003-100 TO)
/130/	Passport of parallel double-disk valve PN 10. Tecnical description and instruction manual GL 16003-000 PS (GL 16003-300 TO)
/131/	Passport of wedge valve LA 11055-050 250 PS (2 sheets)
/132/	Passport of wedge valve LA 11055-080 250 PS (2 sheets)
/133/	Passport of wedge valve LA 11055-100 250 PS (2 sheets)
/134/	Passport of wedge valve LA 11055-150 250 PS (2 sheets)
/135/	Passport of parallel double-disk cast-iron valve 30ch6br PN 10 (2 sheets).
/136/	Passport of wedge valve LA 11055-200 250 PS (2 sheets)

/137/	Quality certificate No. 2481/5 dated 04/10/2012. Steel seamless hot-deformed pipes (2 sheets) Issued LLC "Interpipe Tube" (2 sheets)
/138/	Quality certificate No. 3788 dated 15/08/2012. Steel seamless hot-formed pipes (2 sheets) Issued LLC "Interpipe Tube" (2 sheets)
/139/	Certificate of conformity of polyethylene pressure pipes of diameters from 16 mm to 315 mm. Operation lifetime period: 15/05/2012 to 14/05/2013
/140/	Conclusion of the state sanitary-epidemiological examination № 05.03.02-04/7647 dated 13/02/2008 (2 sheets).
/141/	Passport No. 692-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/142/	Passport No. 650-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/143/	Passport No. 373-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/144/	Passport No. 504-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/145/	Passport No. 684-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/146/	Passport No. 619-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/147/	Passport No. 279-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/148/	Passport No. 298-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/149/	Passport No. 139-12 for polyethylene pressure pipes, DSTU B V.2.7-151:2008
/150/	Passport of centrifugal pumps of type "K" and electropump units on their basis. Tecnical description and instruction manual (4 sheets)
/151/	Photographic material. Determination team
/152/	Photographic material. General picture of CE "Dniprovodokanal" scheme (2 photos)
/153/	Report on water consumption for Q4 2002 (8 sheets)
/154/	Report on water consumption for Q4 2003 (8 sheets)
/155/	Report on water consumption for Q4 2004 (8 sheets)
/156/	Report on water consumption for Q4 2005 (10 sheets)
/157/	Report on water consumption for Q4 2006 (10 sheets)
/158/	Report on water consumption for Q4 2007 (10 sheets)

/159/	Report on water consumption for Q4 2008 (10 sheets)
/160/	Report on water consumption for Q4 2009 (10 sheets)
/161/	Report on water consumption for Q4 2010 (10 sheets)
/162/	Report on water consumption for Q4 2011 (10 sheets)
/163/	Form, ultrasound water heat detector, “ERHOMERA-125" EUS 125 FO, DPP at D. Nechay str. (2 sheets)
/164/	Metering Device Calibration Certificate No. 19-20/100-11 dated 31/01/2011 valid until 31/01/2012
/165/	Passport of ultrasound flowmeter dated 01/2011
/166/	Form, ultrasound water heat detector, “ERHOMERA-125" # 034106 2335 VNS # 4. (3 sheets).
/167/	Form, ultrasound water heat detector, “ERHOMERA-125" # 0332 05 VNS # 5. (3 sheets).
/168/	Form, ultrasound water heat detector, "ERHOMERA-125" # 0095 03 VNS # 6. (3 sheets).
/169/	Working Metering Device Calibration Certificate No. 19-20/1057-09 dated 28/04/2009 valid until 28/04/2010
/170/	Working Metering Device Calibration Certificate No. 19-20/906-10 dated 12/04/2010 valid until 12/04/2011
/171/	Working Metering Device Calibration Certificate No. 19-20/1058-09 dated 28/04/2009 valid until 28/04/2010
/172/	Working Metering Device Calibration Certificate No. 19-20/905-10 dated 12/04/2010 valid until 12/04/2011
/173/	Form, ultrasound water heat detector, "ERHOMERA-125" # 2397 11 LNFS. (1 sheets).
/174/	Form, ultrasound water heat detector, "ERHOMERA-125" # 1353 08 PK No. 417. (2 sheets).
/175/	Form, ultrasound water heat detector, "ERHOMERA-125" # 1354 08 PK No. 417. (2 sheets).
/176/	Form, ultrasound water heat detector, “ERHOMERA-125" # 0035 02 KNFS. (3 sheets).
/177/	Working Metering Device Calibration Certificate No. 19-20/2070-11 dated 29/08/2011 valid until 29/08/2012
/178/	Working Metering Device Calibration Certificate No. 19-2/2314-10 dated 09/08/2010 valid until 09/08/2011
/179/	Working Metering Device Calibration Certificate No. 19-20/2071-11 dated 29/08/2011 valid until 29/08/2012

/180/	Working Metering Device Calibration Certificate No. 19-2/2312-10 dated 09/08/2010 valid until 09/08/2011
/181/	Form, ultrasound water heat detector, “ERHOMERA-125" # 2489 11 KNFS. (1 sheet).
/182/	Form, ultrasound water heat detector, “ERHOMERA-125" # 2396 11 KNFS. (1 sheet).
/183/	Working Metering Device Calibration Certificate No. 19-20/2759-10 dated 14/09/2010 valid until 14/09/2011
/184/	Working Metering Device Calibration Certificate No. 19-20/2069-11 dated 29/08/2011 valid until 29/08/2012
/185/	Working Metering Device Calibration Certificate No. 19-20/2707-09 dated 04/09/2009 valid until 04/09/2010
/186/	Photographic material. Photos of installed equipment (63 photos)
/187/	Report on fuel, heat and electricity consumption results for 2002 (2 sheets)
/188/	Report on fuel, heat and electricity consumption results for 2003 (2 sheets)
/189/	Report on fuel, heat and electricity consumption results for January, 2004 (2 sheets)
/190/	Report on fuel, heat and electricity consumption results for 2005 (2 sheets)
/191/	Report on fuel, heat and electricity consumption results for 2006 (4 sheets)
/192/	Report on fuel, heat and electricity consumption results for the first half-year of 2007 (4 sheets)
/193/	Report on fuel, heat and electricity consumption results for January, 2008 (3 sheets)
/194/	Report on fuel, heat and electricity consumption results for January-December 2009 (4 sheets)
/195/	Report on fuel, heat and electricity consumption results for January-December 2010 (4 sheets)
/196/	Report on fuel, heat and electricity consumption results for 2011 (4 sheets)
/197/	Report on water pipeline (separate drainage network) operation for 2005 (2 sheets)
/198/	Report on water pipeline (separate drainage network) operation for 2006 (2 sheets)

/199/	Report on water pipeline (separate drainage network) operation for 2007 (2 sheets)
/200/	Report on water pipeline (separate drainage network) operation for 2008 (2 sheets)
/201/	Report on water pipeline (separate drainage network) operation for 2009 (3 sheets)
/202/	Report on water pipeline (separate drainage network) operation for 2010 (2 sheets)
/203/	Contract № 25/13186G dated February 03, 2011, for the performance of metrological works (services) between CE "Dniprovodokanal" (Customer) and SE “Dnipropetrovsk Regional State Scientific and Technical Center of Standardization, Metrology and Certification” (Contractor)
/204/	List of measuring instruments (MI), which are in operation and are subject to calibration in 2011 (5 sheets).
/205/	Table. Types and manufacturers of flowmeters (7 sheets).
/206/	Table 3. Types of water flowmeters and electricity meters, their calibration and verification intervals (12 sheets)
/207/	Notice on electricity consumption by water supply, drainage pumping plants and water treatment aeration plants of CE "Dniprovodokanal" in 1998-2004"
/208/	Notice No. 1972/1a dated 20/11/2012 on the volume of water and wastewater that is transported by water supply, sewage pumping stations and fallen to treatment aeration plants of CE “Dniprovodokanal” for the period 1998-2004 years.
/209/	Invoice No. 61-266/12 dated December 16, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/210/	Invoice No. 61-266/11c dated December 16, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/211/	Invoice No. 61-266/10 dated November 16, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/212/	Invoice No. 61-266/9 dated October 18, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/213/	Invoice No. 61-266/8л dated September 16, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/214/	Invoice No. 61-266/7 dated August 15, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/215/	Invoice No. 61-266/6 dated July 18, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/216/	Invoice No. 61-266/5 dated Juny 15, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.

/217/	Invoice No. 61-266/4* dated May 19, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/218/	Invoice No. 61-266/3 dated April 20, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/219/	Invoice No. 61-266/2 dated March 21, 2011, for electricity consumption by the Contract No. 061266 dated 01/04/2004.
/220/	Invoice No. 61-266/1ф+кор. dated February 17, 2011, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.
/221/	Invoice No. 8490 dated November 30, 2009, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.
/222/	Invoice No. 7442 dated October 31, 2008, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.
/223/	Invoice No. *61-266/2 dated March 16, 2012, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.
/224/	Invoice No. 579 dated January 31, 2007, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.
/225/	Invoice No. 2351 dated March 31, 2006, for electricity consumption by the Contract No. 20/03-11 dated 01/04/2004.

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

	Name	Organisation	Position
/1/	S. Horbanenko	Deputy Director of Legal Affairs	CE "Dniprovodokanal"
/2/	A. Dovhan	Chief Technologist	CE "Dniprovodokanal"
/3/	V. Kolesnikov	Chief Mechanical Engineer	CE "Dniprovodokanal"
/4/	Y. Volovalskyi	Power engineering specialist	CE "Dniprovodokanal"
/5/	A. Hontar	Foreman	CE "Dniprovodokanal"
/6/	I. Karelina	Head of treatment facilities, South aeration station	CE "Dniprovodokanal"
/7/	V. Hetman	Electrician, Sewage pumping station # 52	CE "Dniprovodokanal"
/8/	L. Stroilova	Electrician, Sewage pumping station # 61	CE "Dniprovodokanal"
/9/	I. Naumenko	VEMA S.A. Consultant	“CEP” LLC

APPENDIX A: COMPANY PROJECT VERIFICATION PROTOCOL

BUREAU VERITAS CERTIFICATION HOLDING SAS

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?	The project was approved by both Host Party (Ukraine) and another Party involved (Switzerland). Written approvals for the project were issued by the National Coordinating Entities of the Parties involved. Both Letters of Approval were available as of the start of the first project verification.	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 listed on the UNFCCC JI website?	Ex-post volumes of lifted/pumped water, wastewater, treated wastewater over the project period (used for baseline emissions calculation) and electricity consumed over the project period (used for project emissions	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		calculation), obtained as a result of project monitoring, do not differ from values stated in the determined PDD.		
93	What is the status of operation of the project during the monitoring period?	Implementation of project activities is carried out mainly according to the schedule. **CAR 01.** Please indicate the number of works complete during the monitoring period for the activity "Replacement of water distribution/water supply networks" in Table 2 Section A.6. of the MR.	**CAR 01**	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?	Deviations or revisions to the registered monitoring plan: none.	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?	For calculating the emission reductions, key factors such as volume of water pumped by water supply, drainage and air tank systems; electricity consumption by water supply, drainage and air tank systems; existing tariffs for water supply and drainage; state policy in drinking water and drinking water supply; experience in implementation of project activities; existing practice in Ukraine in this field; financial costs and experience; policy of	**CAR 02** **CAR 03** **CAR 04** **CAR 05**	OK OK OK OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		sectoral reforms in water supply and legislation influencing the baseline emissions; activity level of the project and project emissions; as well as risks associated with the project were taken into account, as appropriate. **CAR 02.** Table 6 of the MR provides an incorrect symbol for parameter Carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine in period *y.* **CAR 03.** Formulae provided in the MR do not correspond to the formulae provided in the PDD. **CAR 04.** Check data units for water measurement parameters throughout the MR. **CAR 05.** Tables 9 and 10 Section B.2.2. lack information on parameter $EF_{CO_2,ELEC,y}$		
95 (b)	Are data sources used for calculating emission reductions or enhancements of net removals clearly identified, reliable and transparent?	Yes, data sources used for calculating emission reductions are clearly identified, reliable and transparent. **CAR 06.** The project title in MR Section A.1 does not comply with Letters of Approval. **CAR 07.** Section A.5.1. of the MR provides an incorrect title for the methodology used in the project. **CL 01.** Please provide reference to	**CAR 06** **CAR 07** **CL 01** **CL 02**	OK OK OK OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		methodology whose elements are used in the project in Section A.5.1. **CL 02.** Please provide references to Decrees of the National Investment Agency on carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine.		
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?	Yes, emission factors, including default emission factors, that are used for calculating the emission reductions are selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice. Carbon dioxide emission factors for electricity consumption are sourced from Decree No.62, 63, 43, 75 of the National Environmental Investment Agency of Ukraine (hereinafter NEIAU) “On approval of carbon dioxide emission factors”.	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 reductions is based on conservative assumptions and the most plausible scenarios in a transparent manner. **CAR 08.** Please mention that GHG emission reductions for 2012 are only provided for the period of 01/01/2012-30/11/2012, which corresponds to the monitoring period.	**CAR 08**	OK
Applicable to JI SSC projects only				

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

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
99 (a)	Did the project participants provide an appropriate justification for the proposed revision?	N/a	N/a	N/a
99 (b)	Does the proposed revision improve the accuracy and/or applicability of information collected compared to the original monitoring plan without changing conformity with the relevant rules and regulations for the establishment of monitoring plans?	N/a	N/a	N/a
Data management				
101 (a)	Is the implementation of data collection procedures in accordance with the monitoring plan, including the quality control and quality assurance procedures?	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, is in order?	Yes, the function of the monitoring equipment, including its calibration status is in order. According to current legislation "On metrology and metrological activity", all metering equipment in Ukraine must meet the specified requirements of relevant standards and is subject to a periodic check. Flow meters and electricity meters were duly calibrated.	OK	OK
101 (c)	Are the evidence and records used for the monitoring maintained in a traceable manner?	Evidence and records used for the monitoring are maintained in a traceable manner. CE "Dniprovodokanal" collects and stores data on	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		electricity and water purchased for water supply as invoices for electricity and water purchased. All necessary information for monitoring of GHGs emission reductions is stored in paper or/and electronic copies and will be stored till the end of the crediting period and for two years since the last ERU transaction.		
101 (d)	Is the data collection and management system for the project in accordance with the monitoring plan?	The data collection and management system for the project is in accordance with the monitoring plan. The verification team confirms effectiveness of the existing management and operational systems and found them eligible for reliable project monitoring.	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	N/a	N/a
103	Is the verification based on the monitoring reports of all JPAs to be verified?	N/a	N/a	N/a
103	Does the verification ensure the accuracy and conservativeness of the emission reductions or enhancements of removals generated by each JPA?	N/a	N/a	N/a
104	Does the monitoring period not overlap with previous monitoring periods?	N/a	N/a	N/a
105	If the AIE learns of an erroneously included JPA, has the AIE informed the	N/a	N/a	N/a

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	JISC of its findings in writing?			
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 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?	N/a	N/a	N/a
107	Is the sampling plan ready for publication	N/a	N/a	N/a

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	through the secretariat along with the verification report and supporting documentation?			
108	Has the AIE made site inspections of at least the square root of the number of total JPAs, rounded to the upper whole number? If the AIE makes no site inspections or fewer site inspections than the square root of the number of total JPAs, rounded to the upper whole number, then does the AIE provide a reasonable explanation and justification?	N/a	N/a	N/a
109	Is the sampling plan available for submission to the secretariat for the JISC.s ex ante assessment? (Optional)	N/a	N/a	N/a
110	If the AIE learns of a fraudulently included JPA, a fraudulently monitored JPA or an inflated number of emission reductions claimed in a JI PoA, has the AIE informed the JISC of the fraud in writing?	N/a	N/a	N/a

Table 2 RESOLUTION OF CORRECTIVE ACTION AND CLARIFICATION REQUESTS

Clarification and corrective action requests issued by the verification team	Ref. to checklist question in table 1	Summary of project participants' responses	Verification team conclusion
CAR 01. Please indicate the number of works complete during the monitoring period for the activity "Replacement of water distribution/water supply networks" in Table 2 Section A.6. of the MR.	93	Relevant information is provided in Section A.1. of MR version 02.	The issue is closed as relevant information is provided.
CAR 02. Table 6 of the MR provides an incorrect symbol for parameter Carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine in period y.	95(a)	$EF_{CO_2,ELEC,y}$ - Carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine in period *y.*	The issue is closed as corresponding changes are made.
CAR 03. Formulae provided in the MR do not correspond to the formulae provided in the PDD.	95(a)	Formulae have been verified. Relevant corrections have been made.	The issue is closed as corresponding changes are made.
CAR 04. Check data units for water measurement parameters throughout the MR.	95(a)	Data units for water measurement have been checked. Relevant corrections have been made.	The issue is closed as corresponding changes are made.
CAR 05. Tables 9 and 10 Section B.2.2. lack information on parameter $EF_{CO_2,ELEC,y}$	95(a)	Relevant information is provided in Tables 9 and 10 Section B.2.2.	The issue is closed as relevant information is provided.
CAR 06. The project title in MR Section A.1 does not comply with Letters of Approval.	95(b)	Project title: "Development and improvement of water-supply systems, drainage system and wastewater treatment of CE "Dniprovodokanal".	The issue is closed as corresponding changes are made.

CAR 07. Section A.5.1. of the MR provides an incorrect title for the methodology used in the project.	95(b)	AM0020 "Baseline methodology for water pumping efficiency improvements", version 02	The issue is closed as corresponding changes are made.
CAR 08. Please mention that GHG emission reductions for 2012 are only provided for the period of 01/01/2012-30/11/2012, which corresponds to the monitoring period.	95(d)	Relevant information is added to the MR version 02.	The issue is closed as relevant information is provided.
CL 01. Please provide reference to methodology whose elements are used in the project in Section A.5.1.	95 (b)	Relevant reference is added to the MR version 02.	The issue is closed as relevant reference is provided.
CL 02. Please provide references to Decrees of the National Investment Agency on carbon dioxide emission factors from electricity consumption from the national power grid of Ukraine.	95 (b)	Relevant reference is added to the MR version 02.	The issue is closed as relevant reference is provided.