	•	sion 02)					
(to be completed by an Al	E requesting the publication of a det	ermination pursuant to paragrap	h 33 of the JI guidelines)				
Accredited independer	nt entity (AIE) submitting form	AENOR					
	Proposed J	I activity					
Reference number and	I title of proposed JI activity	Collection and Utilization of Methane from Solid Domestic Waste Ground in Luhansk City Project 0212					
Host Party(ies)		Ukraine					
Parties involved in the	JI activity	Ukraine					
Coordinating entity (applicable to JI PoA only)							
Project participants		"Nedra Luhanshchyny" Limited	d Liability Company				
Type of JI activity:	X□ large scale □ smal	scale 🗆 LULUCF	□ PoA				
Brief description of the JI activity	I EG will be collected through creating a vacuum in the gas well and sucking ou						
Determination report							
Please confirm that all requirements of Article 6 of the Kyoto Protocol, the JI guidelines and further relevant requirements defined by the CMP or the JISC with regard to determinations pursuant to paragraph 33 of the JI guidelines are met: ✓ Yes No							
General information on determination							
Please describe:							
The scope of the determination process, including all documentation that has been reviewed and list the names of persons interviewed during the determination process, as applicable;							
The AIE's determination team, including a list of all persons involved in the determination process and a description of the functions assumed.							
The Project Design Document (PDD) submitted by the Project Participant and additional background documents related to the project design and baseline, i.e. Guidelines for Completing the Project Design Document (JI-PDD), Approved methodology, Kyoto Protocol, Clarifications on Determination Requirements to be Checked by a Accredited Independent Entity were reviewed, as listed below:							
<ul> <li>Collection and Utilization of Methane from Solid Domestic Waste Ground in Luhansk City JI PDD (Version 01, version 02 and version 02.2)</li> </ul>							
<ul> <li>ACM0001 "Consolidated baseline and monitoring methodology for landfill gas project activities",</li> </ul>							

version 11

- Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site (version 05.1)
- Tool to determine project emissions from flaring gases containing methane (version 01)
- Tool to calculate baseline, project and/or leakage emissions from electricity consumption (version 01).
- Tool for the demonstration and assessment of additionality (version 05.2)
- Joint Implementation Determination and Verification Manual (version 01)
- Letter of Approval of Ukraine 1344/23/7
- Letter of Endorsement of Ukraine 1034/23/7
- Letter of voluntary withdrawal from Fortis Bank
- National Construction Standard DBN V.2.4-2-2005 General Construction Guidelines for Landfills [Nedra Luhanshchyny]
- Environmental Impact Assessment Study
- Technical studies of wastes composition 1979-2007
- IPCC (2006) Volume 5, Chapter 3: Solid Waste Disposal, page 19
- US EPA: a Landfill gas to energy development project handbook
- Emission reductions calculation spreadsheet
- Evidence on the average temperature and potential evapotranspiration in Lugansk.
- Financial calculations spreadsheet
- Scheme of Luhansk Landfill gas recovery engineering project and Technical specification
   equipment
- Investment and Construction Cost Plan and OM cost estimation
- Cost of electricity comsumption
- Investment Contract N
  <sup>o</sup> 420/09.001 signed between the Luhansk City Council and Nedra Luhanshchyny LLC
- JI Glossary of Terms (version 02)
- Project chronogram
- Technical characteristics of the measurement and control equipment for the Collection and Utilization of Methane from Solid Domestic Waste Ground in Luhansk City Project
- State Construction Standards DBN A.2.2-1-2003
- Minutes of all the meetings
- Ukrainian GHG Inventory
- Technical Distribution Losses of the Ukrainian grid
- Evidence of the expected electricity consumption by the project equipment
- Report "Definition of qualitative and quantive methane composition in Luhansk landfill based on experimental wells and collectors".
- Pictures from Public discussion of Luhansk landfill gas recovery
- Invitation to visit Public Consultation of Luhansk Landfill gas recovery project
- Positive Conclussion of Correspondence of Luhansk Gas recovery project to normative acts
- Ecological Expertise of Luhansk Landfill Gas recovery project
- Set of legislation that assign Luhansk Authorities to be the regulators and owners of Luhansk Landfill
- Conclusion of Expertise regarding Industrial safety and labour Protection during execution of landfill Luhansk Gas recovery
- Overview of Electricity Market in Ukraine

The determination findings presented in this report relate to the project as described in the PDD version 02.2, submitted on 28 June 2011.

On 23-24 <sup>th</sup> February 2010 AENOR performed interviews with:						
"NEDRA LUHANSHCHYNY" LIMITED LIA         Yuriy Kononov – President         Leonid Malashkin – Director         Vadim Kostuchenko – Manager         Aleksandr Shilo - Manager	<u>ABILITY CON</u>	<u>/IPANY- UKRAINE:</u>				
UNDP John O´Brien Sergei S. Volkov Alexander Severin						
Public Community of Luhansk Town Sergey Kravchenko Zaza Zuhbaya						
Public Community of Oleksandrivsk Towr	<u>1</u>					
DFP – National Environmental Agency of Mykhailo Chyzhenko	Ukraine					
Academy of Sciences of Ukraine.						
The determination team and its functions María Carmen González Galán Jose Antonio Gesto Vilacoba Luis Robles Olmos Mercedes García Madero Lyudmila Illarionova	is the followir AENOR AENOR AENOR AENOR AENOR	ng: JI Chief Determiner- Technical Expert JI Determiner –Technical Expert JI Determiner – Technical Expert JI Determiner Translator				
The technical reviewer for this determinat José Luis Fuentes Pérez (AENOR)	ion process i	s:				
Description of determination process						
<ul> <li>Please briefly describe and refer to:</li> <li>The review of the JI PDD/PoA DD and additional documentation attached to it;</li> <li>The assessment against JI requirements, e.g. by using a determination protocol;</li> <li>The report of findings by the AIE, including the use of different types of findings (e.g. corrective action requests, clarifications or observations etc.).</li> </ul>						
Statements or assessments should be included in section "Conclusions, final comments and determination opinion". The determination process starts with appointment of team covering the technical scope(s), sectoral						
scope(s). The first JI PDD version and additional background documents related to the Project design and baseline were reviewed to verify the correctness, credibility and interpretation of the presented information, furthermore a cross-check between information provided and information from other sources have been done as initial step of the determination process.						
AENOR determination team performed interviews and physical site inspection with project stakeholders to confirm relevant information and to resolve issues identified in the first document review.						
The project assessment applies standard auditing techniques and internal procedures to assess the correctness of the information provided by the PPs. The assessment is based on the DVM.						
During the determination process, the team makes reference to the available information related to similar projects or technologies as the proposed JI Track-2 project activity. The documentation has also been reviewed against the approved methodology(s) applied with several adjustments to confirm the						

appropriateness of formulae and correctness of calculations.

In order to ensure transparency, a specific determination check list was applied for the project. The check list shows, in a transparent manner, criteria (requirements), means of verification and the results from validating the identified criteria. The determination check list serves the following purposes:

• It organizes, details and clarifies the requirements JI project is expected to meet;

 It ensures a transparent determination process where the determiner will document how a particular requirement has been validated and the result of the determination. The completed determination protocol is enclosed in Annex I to the determination report. The determination findings for each determination subject are presented as follows:

 The findings of the desk review of the original project design documents and the findings from interviews during the follow up visit are summarized. A more detailed record of these findings can be found in the Determination check list in Annex I.

2) Where AENOR determination team had identified issues that needed clarification or that represented a risk to the fulfillment of the project objectives, a Clarification or Corrective Action request, respectively, have been issued. The Clarification and Corrective Action Requests are stated, where applicable, in the following sections and are further documented in the Determination check list in Annex I. The conclusions for determination subject are presented. The next step is a resolution of clarification and corrective action requests. The objective of this phase of the determination is to resolve the requests for corrective actions and clarifications and any other outstanding issues which needed to be clarified for AENOR`s conclusion on the project design.

The CARs and CLs raised by the determination team were resolved during communication between the client and AENOR.

## Comments received from Parties, stakeholders and UNFCCC accredited observers

Please:

- Summarise the comments received pursuant to paragraph 32 of the JI guidelines; and
- > Provide a report of how due account was taken of these.

There are no comments received from Parties, stakeholders and UNFCCC accredited observers.

## Conclusions, final comments and determination opinion

Please provide:

- Conclusions describing how each of the requirements of Article 6 of the Kyoto Protocol and the JI guidelines and further relevant requirements defined by the CMP or the JISC, in particular those referred to in paragraph 33 of the JI guidelines, have been met, including assessments and findings (e.g. corrective action requests, clarifications or observations) related to each requirement, and statements on whether all issues raised have been addressed to the AIE's satisfaction;
- Final comments and a determination opinion.

AENOR has performed a Determination under "Track 2" of "Collection and Utilization of Methane from Solid Domestic Waste Ground in Luhansk City" in Ukraine. The Determination was performed on the basis of UNFCCC criteria and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The review of the project design documentation, the on-site visit and the subsequent follow-up interviews have provided AENOR with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the JI and all relevant host country criteria. The Letter of Approval from the DFP of Ukraine is a confirmation of a Project assists in achieving sustainable development of Ukraine.

Once the Letter of Approval has been accordingly obtained, the project is recommended by AENOR for registration with the UNFCCC.

An analysis as provided by the applied project specific methodology demonstrates that the proposed project activity is not a likely baseline scenario. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the estimated amount of emission reductions as specified within the final version of the JI PDD.

The Determination	is b	ased (	on the	information	made	available	to	us	and the	engageme	ent	conditions
detailed in this repo	rt. Tl	he Def	termina	ition has been	en perfo	ormed usi	ng a	a ris	k base	d approach,	as	described
above.												

The only purpose of this report is its use during the registration process as part of JI project cycle. Hence, AENOR cannot be held liable by any party for decisions made or not made based on the Determination opinion, which goes beyond the purpose.

List of documents attached to the determination report form

Please attach relevant documents used in the determination process and check mark below accordingly

- ✓ PDD/PoA DD of the proposed JI activity
- ✓ Determination report
- ✓ Written approvals by the Parties involved, listed in the JI PDD/PoA DD
- ✓ Other relevant documents:
  - ✓ Determination protocol
  - ✓ List of persons interviewed
  - Any other documents (please list):Spreadsheet

The AIE herewith declares that undertaking the determination for the proposed JI activity referred to above does not constitute a conflict of interest which is incompatible with the role of an AIE

Authorized officer signing for the AIE	Luis Robles Olmos	$\frown$
Date and signature	2011-07-27	