



**Validation report form for post-registration changes for
CDM project activities
(Version 03.0)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title and UNFCCC reference number of the project activity	<ul style="list-style-type: none"> • Title: Wonju Landfill Gas Recovery Project for Electricity Generation • Reference number: 10379
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report	• Version 02.0
Completion date of the validation report	• 19/01/2021
Type(s) of PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents ¹ <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan <input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents <input checked="" type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	• Version 4.0
Project participants	<ul style="list-style-type: none"> • NEWGEN ELECTRICS Co., Ltd. • ROEN consulting Co., Ltd.
Host Party	• Republic of Korea
Applied methodologies and standardized baselines	<ul style="list-style-type: none"> • Applied methodology <ul style="list-style-type: none"> - AMS I. D: Grid connected renewable electricity generation_V18.0 - AMS III. G: Landfill methane recovery_V09.0 • No standardized baseline(s) applicable

¹ Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

Mandatory sectoral scopes	<ul style="list-style-type: none"> • Scope 1. Energy industry • Scope 13. Waste handling and disposal
Conditional sectoral scopes, if applicable	<ul style="list-style-type: none"> • No conditional sectoral scope(s) linked to the applied methodology
Name and UNFCCC reference number of the DOE	<ul style="list-style-type: none"> • Name: Korean Foundation for Quality (KFQ) • Reference number: E-0025
Name, position and signature of the approver of the validation report	<p>Yu Shim JEONG</p> <p><i>YS JEONG</i></p> <p>Managing Director of Energy-Climate Change Assessment Division</p>

SECTION A. Executive summary

Korean Foundation for Quality (hereinafter KFQ) has performed periodic verification of the CDM project “Wonju Landfill Gas Recovery Project for Electricity Generation”, UNFCCC Registration Ref. No. 10379 for the period from 01/07/2019 to 30/06/2020.

The project is located in Wonju city of the Republic of Korea and generating electricity by utilization of landfill gas. There was a post-registration change (Changes to the project design) identified in the course of verification for this monitoring period. The request for approval of changes to the project design is submitted via the issuance track with the discretion of the project participants (hereinafter PPs) as per the CDM project standard for project activities.

Validation process

The validation process includes desk review of “Changes to the project design” and other supporting documents provided by PPs. Further, on-site assessments and interviews with those involved in project management and operations are conducted. Draft validation report is prepared by summarizing desk review and on-site inspection findings (i.e. Raising CARs, CLs, and FARs). Upon successful closing of the CARs and CLs raised (if any), the final PRC validation report for the changes to the project design is prepared. The final report then undergoes a technical review and final approval according to KFQ’s internal quality assurance procedures.

The information in the document “Changes to the project design” (version 1.2) provided by the PPs was assessed by review of the detailed project documentation as well as interviews with personnel at NEWGEN ELECTRICS Co.,Ltd. This has enabled the validation team to assess and determine that the changes to the project design and applied methodological tool is in compliance with CDM Project standard and relevant guidance provided by the Board.

General description of the project activity and summary of changes to the project design

Project Title	Wonju Landfill Gas Recovery Project for Electricity Generation
UNFCCC Registration Number	10379
Project Participant	NEWGEN ELECTRICS Co., Ltd. ROEN consulting Co., Ltd.
Baseline and monitoring methodology	AMS I. D: Grid connected renewable electricity generation_V18.0 AMS III. G: Landfill methane recovery_V09.0
Location of the project	Address: San 185, Saje-ri, Heungeop-myeon, Wonju-city GPS Coordinates: Longitude: 127.869777°E, Latitude: 37.327570°N
Date of registration	01/06/2017
Crediting period	01/06/2017 ~ 31/05/2024
Registered PDD	Version 3.1 of 10/02/2020
Revised PDD	Version 4.0 of 18/01/2021
Monitoring period of this verification	01/07/2019 to 30/06/2020 (366 days)

Conclusion

As a result of our assessment, KFQ confirms that the project design change is in accordance with the CDM PS and the CDM validation and verification standard for project activities (VVS). As per paragraph 246-248 of the CDM PS, the PPs decided to submit request for approval of PRC with the request for issuance of CERs for this monitoring period.

SECTION B. Validation team, technical reviewer and approver**B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader (*)	IR	LEE	Mi Jung	KFQ	√	√	√	√
2.	Verifier (*)	IR	PARK	Su Hyun	KFQ	√	-	√	√
3.	Verifier (**)	IR	PARK	Sun Hwan	KFQ	√	√	√	√

(*) means personnel with technical expertise in technical area 1.2 and 13.1.

(**) means personnel with technical expertise in technical area 1.2.

B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	KANG	Yeong Gyeong	KFQ
2.	Approver	IR	JEONG	Yu Shim	KFQ

Please refer to Appendix 2 below for demonstration of how the team meets the competence required for the verification.

SECTION C. Means of validation**C.1. Desk/document review**

KFQ's validation is based on the revised PDD (Version 3.2 and 4.0) including the changes in the project design and other supporting documents provided by the PPs. Those were reviewed as initial step of the validation process as for the post registration changes. Also, over the whole validation period, validation team reviewed the applied baseline and monitoring methodology and any other information and references relevant to the post registration changes. A complete list of all documents reviewed is shown in Appendix 3 of this validation report. KFQ's validation process takes into consideration all the CDM Rules and Guidance applicable to the project activity, e.g. Clean Development Mechanism Validation and Verification Standard, Clean Development Mechanism Project Standard, Clean Development Mechanism Project Cycle Procedure, and relevant decisions, clarifications and guidance from the CMP and the CDM EB.

C.2. On-site inspection

On-site inspection related to this validation of the changes to the project design from the registered PDD was performed during the site visit on 11/11/2020. During the on-site assessment, the personnel were interviewed or assisted the validation team.

The main activity performed on-site are summarized in the table below

Duration of on-site inspection: 11/11/2020				
No.	Activity performed on-site	Site location	Date	Team member

1	Review of the complete data flow from data generation, aggregation, recording, calculation to reporting of the monitoring parameters	Wonju City	11/11/2020	Mi Jung LEE Sun Hwan PARK
2	Confirmation of the complete & correct implementation of procedures for the operation and data collection.	Wonju City	11/11/2020	Mi Jung LEE Sun Hwan PARK
3	Review of the information provided in the MR and documentation with other sources.	Wonju City	11/11/2020	Mi Jung LEE Sun Hwan PARK
4	Identification whether suitable QA/QC procedures are in place in order to prevent errors or to enable the corrections of errors and omissions in the reported parameters.	Wonju City	11/11/2020	Mi Jung LEE Sun Hwan PARK

C.3. Interviews

A list of the persons interviewed during this validation activity is included in table below.

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Jeong	Yong Seop	NEWGEN ELECTRICS Co., Ltd	11/11/2020	Operation, Facility/monitoring instruments management	Mi Jung LEE Sun Hwan PARK
2	Lee	Yu Jeong	ROEN Consulting Co., Ltd.	11/11/2020	QA/QC, Calculation, Reporting	Mi Jung LEE Sun Hwan PARK
3	Noh	Sul Ji		11/11/2020	Data analysis, Calculation	Mi Jung LEE Sun Hwan PARK

C.4. Sampling approach

As no sampling approach was applied by the PPs, the validation team may apply random sampling according to the requirements set out in the CDM VVS. Nonetheless, the validation team has applied no sampling approach. All information and data pertaining to the PRC were assessed.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	0	0	0
Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents	0	0	0
Corrections	0	0	0
Changes to the start date of the crediting period	0	0	0
Inclusion of a monitoring plan	0	0	0
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents	0	0	0
Changes to the project design	0	1	0
Changes specific to afforestation and reforestation project activities	0	0	0
Others (please specify)	0	0	0
Total	0	1	0

SECTION D. Validation findings**D.1. Compliance with PDD form**

Means of validation	Compliance with CDM-PDD-FORM is validated by the document review of the latest PDD form (version 11.0) and the revised PDD.
Findings	The PPs submitted the revised PDD (version 3.2) to the validation team applying the latest PDD form (version 11.0). It was found that there were no deviations between the final revised PDD (version 4.0) and the latest PDD form and the revised PDD (version 4.0) has no blank section.
Conclusion	KFQ confirms that: <ul style="list-style-type: none"> • The revised PDD(version 4.0) are in compliance with the latest PDD form (version 11.0) and the instructions therein; • The information transferred to the later version of the PDD form is materially the same as that in the registered PDD.

D.2. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.3. Corrections

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.4. Changes to the start date of the crediting period

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.5. Inclusion of a monitoring plan

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.7. Changes to the project design

Means of validation	<p>By means of on-site inspection, interview with relevant personnel, and review of the revised PDD as well as any supporting documents, the validation team assessed whether the description on the changes in the revised PDD accurately reflects the implementation, operation and monitoring of the modified CDM project activity. It was determined whether the changes to the project design comply with the relevant requirements in the CDM PS. As per para 300-310 of CDM VVS, the validation team assessed whether the change affect the conclusion of the validation report with regard to:</p> <ul style="list-style-type: none"> • Applicability and application of the applied methodological regulatory documents; • Project boundary and any associated leakages; • Level of accuracy and completeness of monitoring activity as well as compliance of monitoring plan with the applied methodological regulatory documents; • Additionality of the CDM project activity; • Scale of the CDM activity;
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Findings	• Other requirements of the applied methodological regulatory documents.																																						
	There was replacement of previous 3 sets of 170 kW generators to 1 set with 490 kW generator. Also, there was upgrade of previous 470kW generator to 490 kW. It was founded during on-site inspection conducted on 11/11/2020 but it was not reflected in the monitoring report (version 1.0) . <u>(Refer to Appendix 4/Table 1/CAR ID 01)</u> To response to this CAR, PPs decided to request PRC with the request for issuance of CERs for this monitoring period (01/07/2019~30/06/2020) and PPs submitted revised PDD (version 4.0).																																						
	After PPs submitted revised PDD (version 4.0), the validation team confirmed that project design change occurred during 3 rd monitoring period is complying with the relevant requirements in the “CDM project standard for project activities” related to changes to the project design of a registered CDM project activity.																																						
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Type	Container Type Landfill Gas
Model	BBS-490
Maximum electrical power output(kW)	490
Voltage (V)	380
Frequency (Hz)	60
Speed (rpm)	1,800

For this change, the validation team assessed it against VVS as below;

Replacement and upgrade of turbines

1. Description of the changes compared to the one in the registered PDD

According to the registered PDD (version 3.1, 10/02/2020), there were 4 set of generators and turbines.

By means of document review and interview with PPs during on-site inspection, it was identified that there were replacement and upgrading of previous generators and engines to improve operational efficiency of power plant. Generator 1, 2 & 4 were replaced to one 490kW generator. In case of generator 3, it was upgraded to 490kW from 470kW. As a result, only 2 generators are involved in this project activity but total capacity is remained as 980kW (490kW x 2). Engine specifications have also been changed according to generator specifications. After replacement and upgrade of generator and engine, safety inspection and pre-operational inspection were conducted and these changes were also informed to local authority by PPs as per relevant national rule.

PPs provided new technical information of generator and turbine in the revised PDD (version 4.0) with evidence of it (i.e. Catalogue) and validation team checked it against the information gathered during on-site inspection. The validation team confirms that the revised PDD accurately reflects actual technical information on engines and generators which are installing at the project site and it was crosschecked by means of review of official documents such as "certificate of pre-operational inspection", "safety inspection report", "History of main equipment change", "Daily operation record" and "hourly recorded data based on continuous measurement" downloaded from the server.

Since this is change to project design, the PPs prepared a revised PDD (in both track-change and clean version) as per para 242 of CDM PS.

2. When the changes occurred and the reason of those changes taking place?

Due to unstable electricity generation especially from generator 1, 2 & 4 even under stable operation of project activity, PPs decided replacement and upgrading of previous generators and engine to improve operational efficiency of power plant.

Previous generator of 1, 2 & 4 were replaced to one 490kW generator during 25/11/2019 ~ 04/12/2019 and it was confirmed through daily work log provided by PPs. Upgrading work of previous generator 3 was conducted on 21 January 2020. During each work, there was no electricity generation from that generator and it was checked by the validation team through raw data downloaded from the data server. After those work, safety inspection and pre-operational inspection were conducted and it was checked through safety inspection report issued in January 2021 by Yeo-Myung electrical engineering and certificate of pre-operational inspection issued on 21 January 2020 by Korea Electrical Safety Corporation, KESCO respectively. These changes were also informed to local authority by PPs as per relevant national rule.

3. Whether the changes would have been known prior to registration of the project activity?

	<p>Due to unstable electricity generation especially from generator 1, 2 & 4 even under stable operation of project activity, PPs decided replacement and upgrading of previous generators and engine to improve operational efficiency of power plant.</p> <p>These changes were occurred during 3rd monitoring period and decision by PPs was made base on operation result after registration of this project activity thus these changes would have not been known prior to the registration of the CDM project activity.</p> <p><u>4. How the changes would impact the overall operation/ability of the project activity to deliver emission reductions as stated in the PDD</u></p> <p>As the change does not impact monitoring system and operational/management system, there are no impacts on overall operational ability. Total capacity of this project activity remains as 980kW and there were only generators and engine replacement and upgrading.</p> <p><u>5. Whether the revised estimation of emission reductions due to the change takes into account the applicable limits in accordance with the CDM PS?</u></p> <p>As the change does not involve increase in the capacity specified in the registered PDD, there is no applicable limits relating to the change.</p> <p><u>6. Effect of the change on the conclusions of the validation report</u></p> <p>(i) Applicability of the applied methodological regulatory documents</p> <p>The validation team reviewed the justification provided for applicability criteria of AMS-I.D (version 18.0) and AMS-III.G (version 09.0) and confirmed that the change in electricity generators does not give any impacts to the applicability and application of approved baseline methodologies.</p> <p>(ii) The project boundary and any associated leakages due to the changes</p> <p>The changes occurred does not impact to the project boundary or any associated leakages.</p> <p>(iii) The level of accuracy, completeness, compliance of the monitoring plan with the applied methodological regulatory documents</p> <p>The changes occurred does not impact to the monitoring plan or any monitored parameter.</p> <p>(iv) The additionality of the registered CDM project activity</p> <p>Since the changes does not affect ex ante emission reductions, the scale of the CDM project activity remains unchanged.</p> <p>(vi) Compliance of other requirements of the applied methodological regulatory documents</p> <p>By means of review of the revised PDD against other requirements of the applied methodological, the validation team found that the changes occurred does not impact to fulfilment of other requirements of the applied methodological regulatory documents.</p>
Conclusion	<p>The raised CAR (ID 01) has been completely resolved.</p> <p>The validation team confirms that:</p> <ul style="list-style-type: none"> • The changes comply with the relevant requirements in the CDM PS; • The revised PDD accurately reflects the implementation, operation and monitoring of the modified CDM project activity; • The changes do not adversely affect conclusion of validation report with regard to the aspects described in para 303 of the CDM VVS as follows; <ul style="list-style-type: none"> i. The applicability and application of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered;

	ii. Compliance of the monitoring plan with the applied methodology and, where applicable, the applied standardized baseline; iii. The level of accuracy and completeness in the monitoring of the project activity; iv. The additionality of the project activity; v. The scale of the project activity; vi. Other requirements of the applied methodologies and the other applied methodological regulatory documents.
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D.8. Changes specific to afforestation and reforestation project activities

Means of validation	N/A
Findings	N/A
Conclusion	N/A

SECTION E. Internal quality control

According to KFQ's Procedure for deciding whether to proceed request for post registration changes, the final validation report and validation findings underwent a technical review before being submitted to the PPs. The technical review was performed by technical review team composed of a person of for the project activity qualified in accordance with KFQ's qualification scheme for CDM project validation and verification

SECTION F. Validation opinion

Korean Foundation for Quality (KFQ) has performed a validation for post registration changes of "Wonju Landfill Gas Recovery Project for Electricity Generation (UNFCCC Registration Ref. No. 10379)". The post registration changes have been validated in line with all relevant UNFCCC requirements for the CDM. The validation is based on the information available to DOE and the engagement conditions.

The review of the registered and revised PDD, relevant supporting documents, and the subsequent follow-up interviews have been conducted to determine the post-registration changes of the project activity meet all relevant UNFCCC requirements for the CDM.

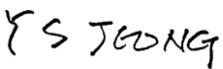
As a result of our assessment, post-registration changes of the project activity meet all relevant UNFCCC requirements for the CDM. This post registration changes in the project activity is in line with Appendix of the CDM project standard and thus it does not require prior approval from Executive Board.

Furthermore, we confirm that the proposed changes of project activity do not impact on:

- The applicability and application of approved baseline methodology under which the project activity has been registered;
- The compliance of the monitoring plan with the applied monitoring methodology;
- The level of accuracy and completeness in the monitoring of the project activity;
- The additionality of the project activity;
- The scale of the project activity.

The request for approval of PRC is submitted at the discretion of the PPs. KFQ recommends for approval of the post registration changes as justified above.

Signed on behalf of the Korean Foundation for Quality

Signature: 

Name : Yu Shim JEONG, Technical Managing Director

Date : 19/01/2021

Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology Small scale
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction(s)
CL	Clarification Request
CMP	COP/MOP Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
KFQ	Korean Foundation for Quality
MP	Monitoring Plan
MR	Monitoring Report
N/A	Not applicable
PDD	Project Design Document
PP	Project participant
PRC	Post-registration change
PS	Clean Development Mechanism Project Standard for Project Activities
QA/QC	Quality Assurance and Quality Control
UNFCCC	United Nations Framework Convention on Climate Change
SSC	Small-scale
VVS	Clean Development Mechanism Validation and Verification Standard for Project Activities

Appendix 2. Competence of team members and technical reviewers



CERTIFICATE OF COMPETENCE

Name: Mi Jung LEE

Qualification:

	Validation	Verification
-Lead auditor	■	■
-Auditor	<input type="checkbox"/>	<input type="checkbox"/>
-Technical Expert	<input type="checkbox"/>	<input type="checkbox"/>
-Local Expert	<input type="checkbox"/>	<input type="checkbox"/>

Scopes of Expertise:

Technical Area (TA)

- 1.1 Thermal energy generation
- 1.2 Renewables
- 3.1 Energy demand
- 5.2 Caprolactam, nitric and adipic acid
- 11.1 Emission of Fluorinated gases
- 11.2 Refrigerant gas production
- 13.1 Solid waste and wastewater
- 13.2 Manure

She is approved as the qualification above according to the KFQ's procedure of Qualifying and Maintaining of Auditor on 14 September 2017.

Sustainability Management Institute
Yu Shim JEONG



CERTIFICATE OF COMPETENCE

Name: Su Hyun PARK

Qualification:

	Validation	Verification
-Lead auditor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-Auditor	<input type="checkbox"/>	<input type="checkbox"/>
-Technical Expert	<input type="checkbox"/>	<input type="checkbox"/>
-Local Expert	<input type="checkbox"/>	<input type="checkbox"/>

Scopes of Expertise:

Technical Area (TA)

- 1.2 Renewables
- 5.2 Caprolactam, Nitric acid, Adipic acid
- 13.1 Solid waste and wastewater

She is approved as the qualification above according to the KfQ’s procedure of Qualifying and Maintaining of Auditor on 23 July 2019.

Sustainability Management Institute
Mi Jung LEE

A handwritten signature in black ink, appearing to be 'MJL' or similar, written over a light blue grid background.



CERTIFICATE OF COMPETENCE

Name: Sun Hwan Park

Qualification:

	Validation	Verification
-Lead auditor	<input type="checkbox"/>	<input type="checkbox"/>
-Auditor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-Technical Expert	<input type="checkbox"/>	<input type="checkbox"/>
-Local Expert	<input type="checkbox"/>	<input type="checkbox"/>

Scopes of Expertise:

Technical Area (TA)

5.1 Chemical Industry

He is approved as the qualification above according to the KFQ’s procedure of Qualifying and Maintaining of Auditor on 6 August 2019.

Sustainability Management Institute
Mi Jung LEE

A handwritten signature in black ink, appearing to be 'Mi Jung LEE'.



CERTIFICATE OF COMPETENCE

Name: Yeong gyeong KANG

Qualification:

	Validation	Verification
-Lead auditor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-Auditor	<input type="checkbox"/>	<input type="checkbox"/>
-Technical Expert	<input type="checkbox"/>	<input type="checkbox"/>
-Local Expert	<input type="checkbox"/>	<input type="checkbox"/>

Scopes of Expertise:

Technical Area (TA)

- 1.2 Renewables
- 13.1 Solid waste and wastewater

She is approved as the qualification above according to the KFQ’s procedure of Qualifying and Maintaining of Auditor on 02 January 2019.

Sustainability Management Institute
Mi Jung LEE

A handwritten signature in black ink, appearing to be 'MJL' or similar, written over a faint circular stamp.

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	Project participants	Project design document <ul style="list-style-type: none"> • Version 03.1 • Version 03.2 • Version 04.0 	10/02/2020 30/11/2020 18/01/2021	Project participants
2	Project participants	PRC Approval <ul style="list-style-type: none"> • PRC-10379-001 • PRC-10379-002 	21/12/2018 09/01/2020	Others
3	Korean Foundation for Quality	Validation report <ul style="list-style-type: none"> • Version 01.1 	01/06/2017	Project participants
4	Korean Foundation for Quality	Verification report for the monitoring period from 17/07/2018 to 30/06/2019 Version 2.0	13/03/2020	Project participants
5	Project participants	Daily work log Hourly recorded operational data	From 01/07/2019 to 30/06/2020	Project participants
6	Project participants	ER calculation spreadsheet	From 01/07/2019 to 30/06/2020	Project participants
7	Project participants	Statement of Change Version 1.0 Version 1.2	14/12/2020 18/01/2021	Project participants
8	Yeo Myung Electrical Engineering	Test report of generator/engine set	January 2020	Project participants
9	Korea Electrical Safety Corporation	Pre-operational inspection certificate for power plant	12/09/2018 21/01/2020	Project participants
10	HANA TECH Inc.	Specification of the engine generator set	04/01/2020	Project participants
11	Baudouin	Specification of electricity generator engine (12M26GAS)	-	Project participants
12	Ministry of Environment	Clean Air Conservation Act	02/04/2019 Published under: http://www.law.go.kr/%EB%B2%95%EB%A0%B9/%EB%8C%80%EA%B8%B0%ED%99%98%EA%B2%BD%EB%B3%B4%EC%A0%84%EB%B2%95	Project participants
13	Ministry of Environment	Enforcement Decree of the Waste Control Act	16/04/2019 Published under: http://www.law.go.kr/%EB%B2%95%EB%A0%B9/%ED%8F%90%EA%B8%B0%EB%AC%BC%EA%B4%80%EB%A6%AC%EB%B2%95	Project participants
14	CDM EB	Methodologies and tools AMS-III.G.: Landfill methane recovery (Version 09.0)	28/11/2014 Published under: https://cdm.unfccc.int/methodologies/DB/0KHNES8D09H134V3TZDQ47C3LQL3H2	Others

	AMS-I.D.: Grid connected renewable electricity generation (Version 18.0)	28/11/2014 Published under: https://cdm.unfccc.int/methodologies/DB/W3TINZ7KKWCK7L8WTXFQQOFQQH4SBK	
	ACM0001: Flaring or use landfill gas (Version 17.0)	13/05/2016 Published under: https://cdm.unfccc.int/methodologies/DB/JPYB4DYQUXQPZLBDVPHA87479EMY9M	
	TOOL04: Emissions from solid waste disposal sites (Version 08.0)	04/05/2017	
	TOOL05: Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation (Version 02.0)	27/11/2015	
	TOOL06: Project emissions from flaring (Version 02.0)	20/07/2012	
	TOOL07: Tool to calculate the emission factor for an electricity system (Version 05.0)	27/11/2015	
	TOOL08: Tool to determine the mass flow of a greenhouse gas in a gaseous stream (Version 03.0.0)	27/11/2015 All published under: https://cdm.unfccc.int/Reference/tools/index.html	
	Forms		
	Project design document form (Version 11.0)	31/05/2019	
	Validation report form for post-registration changes for CDM project activities (Version 03.0)	31/05/2019 All published under: https://cdm.unfccc.int/Reference/PDDs_For_ms/index.html	
	Standards		
	CDM project standard for project activities (Version 02.0)	28/11/2018	
	CDM validation and verification standard for project activities (Version 02.0)	28/11/2018 All published under: https://cdm.unfccc.int/Reference/Standards/index.html	
	Procedures		
	CDM project cycle procedure for project activities (Version 02.0)	28/11/2018	
	Checklist for requests for post-registration changes to project activities (Version 02.0)	23/08/2019 All published under: https://cdm.unfccc.int/Reference/Procedures/index.html	
	Guidelines		
	Guideline on the application of materiality in verifications (Version 02.0)	20/02/2015	
	General guidelines for SSC CDM Methodologies (Version 21.0)	28/11/2014 Published under: https://cdm.unfccc.int/Reference/Guidclarif/index.html	

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation

CL ID	N/A	Section no.	N/A	Date: N/A
Description of CL				
N/A				
Project participant response				Date: N/A
N/A				
Documentation provided by project participant				
N/A				
DOE assessment				Date: N/A
N/A				

Table 2. CARs from this validation

CAR ID	N/A	Section no.	D.7	Date: 11/11/2020
Description of CAR				
There was replacement of previous 3 sets of 170 kW generators to 1 set with 490 kW generator. Also, there was upgrade of 470kW generator to 490 kW. This change was founded during on-site inspection conducted on 11/11/2020 but it was not reflected in the monitoring report (version 1.0).				
Project participant response				Date: 18/01/2021
Revised MR (version 2.0) to reflect the changes to the project design				
Documentation provided by project participant				
MR (Version 2.0) Statement of Changes (Version 1.2)				
DOE assessment				Date: 19/01/2021
To response to this CAR, PPs decided to request PRC with the request for issuance of CERs for this monitoring period (01/07/2019~30/06/2020) thus PPs submitted revised PDD (version 04.0).				
After PPs submitted revised PDD (version 04.0), the validation team confirmed that project design change occurred during 3 rd monitoring period is complying with the relevant requirements in the "CDM project standard for project activities" related to changes to the project design of a registered CDM project activity.				

Table 3. FARs from this validation

FAR ID	N/A	Section no.	N/A	Date: N/A
Description of FAR				
N/A				
Project participant response				Date: N/A
N/A				
Documentation provided by project participant				
N/A				
DOE assessment				Date: N/A
N/A				

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
03.0	31 May 2019	Revision to: <ul style="list-style-type: none">• Ensure consistency with version 02.0 of the “CDM validation and verification standard for project activities” (CDM-EB93-A05-STAN);• Make editorial improvements.
02.0	31 October 2017	Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: post-registration change, project activities, validation report		