



KOREA KOLMAR Co., Ltd.

- Introduction** Korea Management Registrar has been requested by Korea Kolmar to verify its greenhouse gas emissions and energy usage amount for the year of 2022. The verification was conducted on the organization & operation boundary and the results are as specified as below. This verification statement is valid from the day of publication.
- Scope**
- Organization and operation boundary:
 - √ Greenhouse gas emissions:
 - 5 Sites and emission facilities under Korea Kolmar operational control
 - √ Energy usage:
 - 5 Sites and emission facilities under Korea Kolmar operational control
 - Verification period: 01/01/2022 ~ 12/31/2022
 - Types of Greenhouse Gases: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆
 - Verification scope: Scope 1 , Scope 2 , Scope 3
 - Performed verification work:
 - √ Interviewing with site manager responsible for data collection of greenhouse gas emissions
 - √ Reviewing the MRV system and process, the data gathering method for greenhouse gas emission and energy usage amount
 - √ Examination on raw data including information system, bills and payment statements related to verification scope
 - √ Due diligence on a part of emission factors in Sejong site
 - √ Comparative examination through on-desk review, risk analysis, observation and inspection, etc.
 - Level of assurance : Limited Assurance
- Standard & Guidance** ISO 14064-1 Greenhouse gases -- Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals (2006), ISO 14064-3 Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of GHG assertiveness(2006), WRI/WBCSD GHG Protocol (2004), Verification guidelines for operation of Greenhouse Gas Emission trading system , KMR GHG TM01 - GHG & energy verification manual and procedure, IPCC Guidelines for National Greenhouse Gas Inventories (2006), International Standard on Assurance Engagements 3000 (Revised) – ‘Assurance Engagements other than Audits or Reviews of Historical Financial Information’

1. Greenhouse Gas Emissions

(unit: t CO2eq)

Organizational boundaries		Sejong Factory	Jeon ui Factory	Jeon dong Factory	Bucheon Factory	R&D Complex	Total
SCOPE 1	Direct Emission	1,500.213	270.202	79.883	186.207	261.346	2,298
SCOPE 2	Indirect Emission	2,572.288	162.926	0	1,551.613	1,259.542	5,546
SCOPE 1+2		4,073	433	80	1,738	1,521	7,844
SCOPE 3	Waste Generated in Operations	297.972	17.76	60.979	38.09	49.909	465
	Business Travel	58.665			1.216	32.052	92
	Employee Commuting	832.663	47.733	8.82	53.83	443.999	1,387
SCOPE 1+2+3		5,262	499	150	1,831	2,047	9,788

2. Energy Consumption

(unit: TJ)

Organizational boundaries		Sejong Factory	Jeon ui Factory	Jeon dong Factory	Bucheon Factory	R&D Complex	Total
SCOPE 1	Direct Emission	28.104	4.047	1.187	3.666	4.967	41.971
SCOPE 2	Indirect Emission	53.751	3.405	0	32.423	26.32	115.899
SCOPE 1+2		81.855	7.452	1.187	36.089	31.287	157.870

Conclusions

KMR verified the greenhouse gas emissions and energy usage amount for the year 2022 of Korea Kolmar. Based on the procedures performed, nothing has come to the attention of the practitioner that causes the practitioner to believe that the subject matter information is not prepared, in all material respects, in accordance with the verification purpose and the applicable criteria.

E. J Hwang

May 18, 2023
Korea Management Registrar
President Hwang Eun Ju