

June 22, 2023

KERAMIDA Inc. (KERAMIDA) was engaged by Steel Dynamics, Inc. (SDI) to provide limited assurance greenhouse gas (GHG) verification of their 2022 Scope 1 and 2 GHG emissions inventory, and total energy use. The data and calculations being verified covers the period of January 1, 2022 to December 31, 2022. KERAMIDA is an accredited solution provider to CDP and this Project was managed by a Lead GHG Verifier (CA license H-21-024, OR license GHGRP-V-062).

Statement of Independence

KERAMIDA affirms our independence from SDI and is free from bias and conflicts of interest related to the assurance of the environmental data.

Verification Assurance Opinion

Based on the process and procedures conducted, there is sufficient evidence that the GHG emissions calculations and summaries are a fair representation of the actual GHG emissions data and information.

SDI has established an appropriate system for collecting, calculating, and analyzing quantitative data and information for the GHG emissions for the stated time period, scope and level of assurance. An opinion of limited assurance was concluded based off KERAMIDA's verification.

KERAMIDA's Approach

Verification was conducted in accordance with ISO 14064-3: 2019 *Specification with guidance for the validation and verification of greenhouse gas assertion*, which is an approved verification standard accepted by the Carbon Disclosure Project (CDP). The scope of work was to provide limited assurance for the verification of their GHG emissions inventory and energy use data, and verification was led by an accredited California Lead GHG Verifier.

Validation scope of the reporting company GHG emissions

- Organizational boundaries: Operational Control Approach

Time Period

- January 1, 2022 to December 31, 2022

Level of Assurance

- Limited
- Materiality Threshold: 5% as suggested by ISO 14064-3 (2019).

KERAMIDA's Methodology and Procedure

Procedure performed during the verification

- Interviews with key personnel involved in the process of data collection, compiling, calculating, and preparing the emissions data report. All meetings were conducted virtually;
- Assessed the data management systems and protocols by:
 - Understanding the selection process for data to be used and reported;

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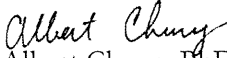
ENGINEERS • GEOLOGISTS • SCIENTISTS • SAFETY PROFESSIONALS • INDUSTRIAL HYGIENISTS • TOXICOLOGISTS • MODELING EXPERTS
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- Conducting assurance procedures to assess the accuracy of data collected and reported; and
 - Understanding the calculation approach and methods.
- Review of a variety of data analytics to check the reasonableness of the data and calculations;
- A variety of re-calculation procedures to confirm stated quantities;
- Evaluated the reasonableness of any assumptions used in support of disclosures;
- Reviewed how disclosures were presented and determine if they were representative of data and operations.


Table 1. Data Verified by KERAMIDA

Scope		CO ₂ e (MT)
Scope 1	Steel Mills	2,081,536
	Other facilities	638,269
	Total	2,719,805
Scope 2 (<i>Location-Based</i>)	Steel Mills	3,043,930
	Other facilities	354,389
	Total	3,398,319
Scope 2 (<i>Market-Based</i>)	Steel Mills	1,932,232
	Other facilities	297,993
	Total	2,230,225
Resource Specific Verified Values		
Natural Gas		24,295,828 Dth
Diesel Fuel		7,787,465 Gallons
Gasoline		365,706 Gallons
Acetylene		1,056,693 scf
Jet A Fuel		141,952 Gallons
Propane		978,874 Gallons
Propylene		36,917 lbs
Electricity		7,526,298 MWh

This verification statement, including the opinion expressed herein, is provided to SDI and is solely for the benefit of SDI in accordance with the terms of our agreement. We consent to the release of this statement by you for sustainability reporting disclosures, including CDP in order to satisfy the terms of CDP disclosure requirements, but without accepting or assuming any responsibility or liability on our part to CDP or to any other party who may have access to this statement.


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June 22, 2023

KERAMIDA Inc. (KERAMIDA) was engaged by Steel Dynamics, Inc. (SDI) to provide limited assurance greenhouse gas (GHG) verification of their 2022 Scope 3 GHG emissions inventory for SDI steel mill facilities. The data and calculations being verified covers the period of January 1, 2022 to December 31, 2022. KERAMIDA is an accredited solution provider to CDP and this Project was managed by a Lead GHG Verifier (CA license H-21-024, OR license GHGRP-V-062).

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Verification Assurance Opinion

Based on the process and procedures conducted, there is sufficient evidence that the GHG emissions calculations and summaries are a fair representation of the actual GHG emissions data and information.

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KERAMIDA's Approach

Verification was conducted in accordance with ISO 14064-3: 2019 *Specification with guidance for the validation and verification of greenhouse gas assertion*, which is an approved verification standard accepted by the Carbon Disclosure Project (CDP). The scope of work was to provide limited assurance for the verification of their GHG emissions inventory and energy use data, and verification was led by an accredited California Lead GHG Verifier.

Validation scope of the reporting company GHG emissions

- Organizational boundaries: SDI steel mill facilities, Operational Control Approach

Time Period

- January 1, 2022 to December 31, 2022

Level of Assurance

- Limited
- Materiality Threshold: 5% as suggested by ISO 14064-3 (2019).

KERAMIDA's Methodology and Procedure

Procedure performed during the verification

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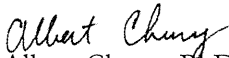
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Table 1. Data Verified by KERAMIDA

Scope	CO ₂ e (MT)
Scope 3 (Category 1) spend-based method	3,305,929
Scope 3 (Category 4)	365,816
Scope 3 (Category 9)	193,459
Scope 3 Total	3,865,204

This verification statement, including the opinion expressed herein, is provided to SDI and is solely for the benefit of SDI in accordance with the terms of our agreement. We consent to the release of this statement by you for sustainability reporting disclosures, including CDP in order to satisfy the terms of CDP disclosure requirements, but without accepting or assuming any responsibility or liability on our part to CDP or to any other party who may have access to this statement.


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