Perkins Eastman Greenhouse Gas Inventory Verification

April 2023

Prepared by verdis GROUP

INTRODUCTION

Date of verification: 04/14/2023

Reporting company: Perkins Eastman
Reporting lead: Koray Aysin, Heather Jauregui

Verification company: Verdis Group
Verification team: Corbin Delgado, Grace Thomas

Verdis Group completed a greenhouse gas inventory verification for Perkins Eastman, based on documents shared by the reporting lead and with information provided during the kick-off meeting on 03/06/23.

The goal of the verification process is to:

- Provide confidence to the reporting company that the reported results represent a faithful, true, and fair account of the company's GHG emissions.
- Support internal decision-making process to address the company's emissions.
- Share publicly the GHG inventory results.
- Create a replicable and consistent structure to report emissions over time.
- Prepare the reporting company for potential future sector regulations.

The verification follows guidelines from the Greenhouse Gas Protocol provided in published standards for Scope 1, Scope 2, and Scope 3 and follows the "Operational Control Approach" to accounting. Verdis Group assessed the compliance of the GHG inventory with the five guiding principles (Relevance, Completeness, Consistency, Transparency and Accuracy) and highlighted any discrepancy that may affect the results reported by Perkins Eastman. The level of importance of the findings are defined as flags and are measured on three levels: pass, minor, major. For each minor and major finding, Verdis recommends the necessary corrective actions for Perkins Eastman to be compliant with the Greenhouse Gas Protocol.

It is the responsibility of Perkins Eastman to adjust its GHG inventory based on the verification conducted by Verdis Group.

SUMMARY OF RESULTS

Overall, the reporting team has demonstrated its ability to establish the proper data collection processes and use of the available guidance to fairly account for its various sources of emissions. Verdis Group identified minor corrections which the reporting team has made, and Verdis Group has verified.

Emissions

The estimated emissions of 8,844 MTCO2e reported by Perkins Eastman can be validated. Based on our estimates, the one discrepancy noted in this verification report accounts for less than a 5% increase in reported emissions, which is within the error margin approved by the Greenhouse Gas Protocols.

Findings

The below table represents the sum of findings from the two verification categories:

- Greenhouse gas inventory structure
- Identification and calculation of GHG emissions

Findings are broken down in two categories:

- Minor findings represent opportunities for improvement in the reporting that do not significantly affect the overall results of the inventory.
- Major findings highlight significant issues with the reporting affecting the overall results of the inventory.

Flag			
Meaning	Pass	Minor finding	Major finding
Results	42/43	1/43	0/43

The 5 GHGP Principles

GHGP Principles	Description as per GHG Protocol	Flag	Perkins Eastman's compliance
Relevance	For an organization's GHG report to be relevant means that it contains the information that users—both internal and external to the company—need for their decision making.		The reporting team included in its inventory all the relevant data, considering the organizational structure, operational boundaries, and business context.
Completeness	All relevant emissions sources within the chosen inventory boundary need to be accounted for so that a comprehensive and meaningful inventory is compiled.		"Renovation costs" for Perkins Eastman's San Francisco office and "retainer fees" for paper are currently absent but would likely not create a large enough impact on total emissions to go outside of the 5% margin for error.
Consistency	The consistent application of accounting approaches, inventory boundary, and calculation methodologies to produce comparable GHG emissions data over time.		The reporting team developed an inventory structure that streamlines the process and ensures a comparable approach for future inventories.
Transparency	Transparency relates to the degree to which information on the processes, procedures, assumptions, and limitations of the GHG inventory are disclosed in a clear, factual, neutral, and understandable manner based on clear documentation and archives.		The inventory references appropriately each source of information used to calculate emissions.

Accuracy	Data should be sufficiently precise to enable intended users to make decisions with reasonable assurance that the reported information is credible.		By using direct EPA calculations for its GHG inventory, the reporting team is using the most accurate and up to date climate data (eg., emission factors). It has also made efforts to gather the best available activity data possible to reduce the number of assumptions (eg., regional emissions factors, census region EUI).

GREENHOUSE GAS INVENTORY STRUCTURE

Topic	Verification findings	Flag
Organizational boundary	Necessary information related to the organizational boundary was provided and clearly stated in the summary document.	

Recommendations

- N/A

Topic	Verification findings	Flag
Operational boundary	In selecting the appropriate emission categories to include in its inventory, Perkins Eastman is acknowledging the direct and indirect sources of greenhouse gas emissions it is responsible for. The inventory currently includes the Scope 3 categories that are the most relevant to the company.	

Recommendations

- N/A

Topic	Verification findings	Flag
Tracking emissions over time	The reporting company included a full year's worth of data and has the necessary documentation in place to ensure that tracking can occur in the following years.	

Recommendations

- N/A

IDENTIFICATION AND CALCULATION OF GHG EMISSIONS

Scope	Relevance	Completeness	Consistency	Transparency	Accuracy
S1- Mobile Combustion					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S1- Stationary Combustion					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S2- Electricity					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S3- Procurement					
Recommendations and notes	Reported emissions meet all Protocol criteria but are currently missing "renovation costs" for San Francisco and "retainer fees" for paper, but with the current size of Perkins Eastman's scope 3 procurement emissions we do not feel that these omissions move Perkins Eastman past the 5% margin of error.				
S3- FERA					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S3- Employee Commute					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S3- Business travel					
Recommendations and notes	Reported emissions meet all Protocol criteria.				
S3- Waste					
Recommendations and notes	Reported emissions meet all Protocol criteria.				