Greenhouse gas emissions Verification Statement

29 August 2024

JAPAN PULP & PAPER CO., LTD.

Japan Management Association
GHG Certification Center
Chiga Maruo, Senior Executive

1. Objective and Scope of Verification

Japan Management Association GHG Certification Center (JMACC) was commissioned by JAPAN PULP & PAPER CO., LTD. (hereinafter, referred to as "the Organization") to conduct independent verification on a limited level of assurance. The scope of verification is the following greenhouse gas (GHG) emissions within the organizational boundary※1 in its fiscal year 2023 Monitoring Report (hereinafter, referred to as "the Report") from 1 April 2023 to 31 March 2024.

1) SCOPE 1 GHG emissions;
   Direct CO_2 emissions within the organizational boundary by using city gas, LPG, kerosene, gasoline and diesel※2
2) SCOPE 2 GHG emissions;
   Indirect CO_2 emissions within the organizational boundary by using electricity

The objective of this verification is to confirm that the monitoring data in the Organization's applicable scope have been correctly calculated and reported in line with the criteria of the monitoring procedure※3, and to express our views as a third party. The Organization's responsibility is to prepare the Report and report the monitoring data, and JMACC's responsibility is to express our views on the monitoring data of the Report as a third party.

2. Procedure of Verification

The Report was verified by JMACC in accordance with the requirement of ISO14064-3:2019 (Greenhouse gases Part 3: Specification with guidance for the verification and validation of greenhouse gas statements), and following processes were implemented:

- Assessment regarding to the information to specify the GHG emissions in the Report, monitoring procedure, monitoring system, and related documents
- Interviews with persons in charge of preparing the Report
- Verifying the evidence for confirmation of the accuracy of GHG emissions by sampling

3. Conclusion of Verification

Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that the Organization's GHG emissions in the Report of fiscal year 2023 were not calculated and reported in conformance with the criteria.

Verified GHG emissions (t-CO_2e)	
SCOPE 1	**154**
SCOPE 2※4	**1,133**

NOTE:

※1 : Organizational boundary : The following business offices and real estates owned by the Organization

- Business Offices, etc.: Head Office, Kansai Branch, Kansai Branch Kyoto Sales Department, Chubu Branch, Kyushu Branch, Kitanihon Branch Tohoku Sales Department, Kitanihon Branch Hokkaido Sales Department, JP Distribution Center, and 2 Corporate recreational facilities
- Real Estates: OVOL Nihonbashi Building, Nihombashi Nichigin-Dori Building, Osaka JP Building, Kyoto Nakai Building, and 3 other Properties (Common areas used for all 7 properties)

※2 : Using diesel at Osaka JP Building

※3 : Monitoring procedure of SCOPE 1, 2: "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (ver.2.6)", and the "Reporting Procedure" prepared by the Organization.

※4 : Emission factor for electricity consumption : Adjusted emission factor under GHG emissions reporting system of Japan

Greenhouse gas emissions Verification Statement

26 March 2025

JAPAN PULP & PAPER CO., LTD.

Japan Management Association
GHG Certification Center
Chiga Maruo, Senior Executive

1. Objective and Scope of Verification

Japan Management Association GHG Certification Center (JMACC) was commissioned by JAPAN PULP & PAPER CO., LTD. (hereinafter, referred to as "the Organization") to conduct independent verification on a limited level of assurance. The scope of verification is the following greenhouse gas (GHG) emissions information within the organizational boundary※1 in its fiscal year 2023 Monitoring Report (hereinafter, referred to as "the Report") from 1 April 2023 to 31 March 2024.

1) SCOPE 3 GHG emissions;
   CO_2 emissions within the category 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12 and 13 of SCOPE 3※2

The objective of this verification is to confirm that the monitoring data in the Organization's applicable scope have been correctly calculated and reported in line with the criteria of the monitoring procedure※3, and to express our views as a third party. The Organization's responsibility is to prepare the Report and report the monitoring data, and JMACC's responsibility is to express our views on the monitoring data of the Report as a third party.

2. Procedure of Verification

GHG emissions in the Report were verified by JMACC in accordance with the requirement of ISO14064-3:2019 (Greenhouse gases Part 3: Specification with guidance for the verification and validation of greenhouse gas statements), and following processes were implemented:

- Assessment regarding the information to specify the GHG emissions in the Report, monitoring procedure, monitoring system and related documents
- Interviews with persons in charge of preparing the Report
- Verifying the evidence for confirmation of the accuracy of GHG emissions by sampling

3. Conclusion of Verification

Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that the Organization's GHG emissions in the Report of the fiscal year 2023 were not calculated and reported in conformance with the criteria in all material respects.

Verified GHG emissions (t-CO_2e)	
SCOPE 3※4	**4,602,181**
Breakdown of SCOPE 3	
Category 1	**3,812,961**
Category 2	**4,475**
Category 3	**222**
Category 4	**397,107**
Category 5	**3**
Category 6	**93**
Category 7	**290**
Category 9	**4,610**
Category 10	**173,899**
Category 11	**480**
Category 12	**197,747**
Category 13	**10,294**

NOTE:

※1：Organizational boundary :

The organizational boundary for each category is as follows:

- Category 1, 2, 3, 4, 6, 7, 9, 10, 11, 12 and 13:
  - Business Offices, etc.: Head Office, Kansai Branch, Kansai Branch Kyoto Sales Department, Chubu Branch, Kyushu Branch, Kitanihon Branch Tohoku Sales Department, Kitanihon Branch Hokkaido Sales Department, JP Distribution Center, and 2 Corporate recreational facilities
  - Real Estates: OVOL Nihonbashi Building, Nihombashi Nichigin-Dori Building, Osaka JP Building, Kyoto Nakai Building, and 6 other Properties
- Category 5:
  - Head Office, Kansai Branch, Kansai Branch Kyoto Sales Department, Chubu Branch, Kyushu Branch, Kitanihon Branch Tohoku Sales Department, Kitanihon Branch Hokkaido Sales Department

※2：Overview of categories of SCOPE 3

- Category 1 (Purchased goods and services): Purchased products, major indirect procurement, and water usage
- Category 2 (Capital goods): Capital goods purchased or constructed
- Category 3 (Fuel- and energy-related activities not included in Scope 1 or Scope 2): Fuel and electricity used
- Category 4 (Transport and distribution (upstream)): Procurement transportation and shipping (the organization is the shipper) by road and marine transportation
- Category 5 (Waste generated in operations): Industrial waste and general waste monitored by the Environmental Management System (EMS) within the organizational boundary
- Category 6 (Business travel): Business travel via public transportation by employees

- Category 7 (Employee commuting): Employee commuting to the worksites
- Category 9 (Transportation and distribution (downstream)): Shipping (the other companies are the shipper)
- Category 10 (Processing of sold products): Processing of sold paper products and plastic products based on the total allocation calculated by the emissions unit value per sales amount for processing of paper and cardboard
- Category 11 (Use of sold products): Electricity use of sold conveyor line and cutting machine
- Category 12 (End-of-life treatment of sold products): Disposal of sold paper products based on the total allocation calculated by the emissions unit value per sales amount based on the weight of paper, cardboard, and secondary processed paper products and published waste paper usage rate
- Category 13 (Leased assets (downstream)): Leased assets owned and rented to others (including rental housing)

※3：Monitoring procedure of SCOPE 3

"Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (ver.2.6)", "Database of emissions unit values for Greenhouse Gas Emissions throughout the Supply Chain (ver.3.4)" and the "Reporting Procedure" prepared by the Organization.

※4：The amount of SCOPE 3 (t-CO_2e) are totaled including figures after the decimal point of each category.