

Independent Verification Opinion

Verification Opinion No.: C689931-2023-AG-TWN-DNV Issued Place: Taipei Issued Date: 13 August, 2024

This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2023) of

Wan Hai Lines Ltd

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by Wan Hai Lines Ltd ('the Organization') to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2023) (hereafter the "Inventory Report") in Taiwan, ROC with respect to the sites listed in Appendix A.

The Reporting Boundary for the verification including direct GHG emissions and removals, indirect GHG emissions from imported energy, indirect GHG emissions from transportation, indirect GHG emissions from products used by the Organization and indirect GHG emissions associated with the use of products from the Organization. The further descriptions for the Reporting Boundary listed in Appendix B.

Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2018 as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting. The verification was conducted in accordance with ISO 14066:2011, ISO 14065:2020, ISO14064-3:2019

Verification Opinion

It is DNV's opinion that the Inventory Report (2023), which was published on 14 June, 2024(ver. 2) is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches,

- For the Direct (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report (2023) were verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was verified and tested using agreed-upon procedures, AUP, defined in Inventory Report.

Also, the GHG information as stated in Appendix B has been verified during the process.

Makoto Chen GHG Verifier

Makoto Chen

Place and date: Taipei, 13 August, 2024

For the issuing office:

DNV Business Assurance Co., Ltd.

29Fl., No. 293, Sec. 2, Wenhua Rd., Banqiao District, New Taipei City 220, Taiwan

Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid. This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, DNV cannot guarantee the accuracy or correctness of the information. DNV cannot be held liable by any party relying or acting upon this Verification Opinion. DNV Business Assurance Co., Ltd. 29Fl., No.293, Sec.2, Wenhua Road 220 Ban Chiau Dist., New Taipei City Taiwan TEL : +886-2-82537800, website: https://www.dnv.com/tw/DNV ZNATW-OP-F50, Rev.12, 2024-4



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Supplement to Verification Opinion

Process and Methodology

The reviews of the Inventory Report and relevant documents, and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.

Quantification of Greenhouse Gas Emission

The Inventory Report covering the period 1st January, 2023 to 31st December, 2023, it is DNV's opinion that GHG emissions and removals identified within the Reporting Boundary has been included in the Inventory Report as claimed in accordance with the verification criteria identified as stated above, and results in quantification of GHG emissions that are real, transparent and measurable.

Organizational Boundary of Verification

□Financial Control ⊠Operational Control □Equity Share

GHGs Verified

 $\square CO_2 \square CH_4 \square N_2 O \square HFC_s \square PFC_s \square SF_6 \square NF_3$

The Qualitingation of GHG emissions and removals in Direct and Indirect Emission Source.		
Category	Direct and indirect GHG emissions categorization*	Emission (ton CO₂e)
1	Direct GHG emissions and removals**	4,454,874.835
2	Indirect GHG emissions from imported energy	19,982.107
Total greenhouse gas emissions and removals in Category 1 & 2		4,474,856.942
3	Indirect GHG emissions from transportation	-
4	I Indirect GHG emissions from products used by the Organization	1,991,247.650
5	Indirect GHG emissions associated with the use of products from the Organization	_

The Quantification of GHG emissions and removals in Direct and Indirect Emission Source:

 Total greenhouse gas emissions and removals in Category 3,4 & 5
 1,991,247.650

 *: The Imported Energy Indirect Emissions was calculated based on 2023 electricity emission factor of 0.494 kg CO2

e/kwh, which was announced by Bureau of Energy, Ministry of Economic Affairs. The Global Warming Potential (GWP) defined in IPCC AR6 (2021) has been chosen and correctly referred by the Organization.

**: The details subcategory of each category could be refer later in the Report.

Verification Opinion

☑ unmodified □ modified □ adverse