

Independent Assurance Statement

Statement No.:
C601159-2022-AG-TWN-TAF

Issued date:
18 May, 2023

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This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2022) of

YANG MING MARINE TRANSPORT CORPORATION

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by YANG MING MARINE TRANSPORT CORPORATION (hereafter 'the Organization') to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2022) (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 and C.

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 14065:2013, ISO14064-3:2019

Verification Statement

It is DNV's opinion that the Inventory Report (2022), which was published on April 2023 (Ver. 1), is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches,

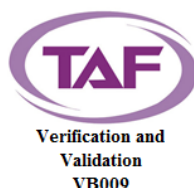
- For the Direct (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report (2022) were verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was verified and tested using agreed-upon procedures, AUP, defined in Inventory Report.

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

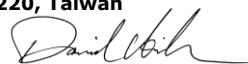
Chun-Nan Lin
GHG Verifier



Place and date:
Taipei, 18 May, 2023



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

Supplement to Statement

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, 2022 to 31st December, 2022, it is DNV's opinion that 100% 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 Management Control ☒ Operational Management Control ☐ Equity Share

GHGs Verified

☒ CO₂ ☒ CH₄ ☒ N₂O ☒ HFCs ☒ PFCs ☒ SF₆ ☒ NF₃

Quantification of GHG emissions in Direct and Imported Energy Indirect Emission Source: (tonnes CO₂e)

Site	Direct Emissions (Category 1)	Imported Energy Indirect Emissions (Category 2)	Total
Yang Ming Marine Transport Corp. CiDu Headquarter	105.4426	1,284.6651	1,390.1077
Yang Ming Marine Transport Corp. Keelung Sinyi Building	8.8517	770.0474	778.8991
Keelung Container Terminal	241.1664	661.4455	902.6119
Yang Ming Marine Transport Corp. Taiwan Business Department	12.1238	160.9593	173.0831
Yang Ming Marine Transport Corp. Taichung Branch	4.4602	24.3501	28.8103
Yang Ming Marine Transport Corp. Taichung Wuqi Office	1.6016	16.1029	17.7045
Yang Ming Marine Transport Corp. Kaohsiung Branch	82.7827	433.0498	515.8325
100 Ships	4,033,843.1155	7,849.7892	4,041,692.9047
Total	4,034,299.5445	11,200.4093	4,045,499.9538

Quantification of other indirect emissions

Category	Subcategory	tonnes CO ₂ e
Transportation (Category 3)	CDP4 Upstream transportation and distribution	2,841.8597
	CDP6 Business travel	214.1480
	CDP7 Employee commuting	635.7890
Products used by organization (Category 4)	CDP2 Capital goods	211,555.1204
	CDP3 Fuel-and-energy-related activities (not included in Scope 1 or 2)	380,181.1308
	CDP5 Waste generated in operations	112.1725
The use of products from the organization (Category 5)	CDP13 Downstream leased assets	52,501.2755
Total quantified greenhouse gas emissions in Category 3,4 & 5		648,041.4959

*: Unless other indicated, the Indirect Emissions was calculated based on 2021 electricity emission factor of 0.509 kg CO₂-e/kwh, which was announced by Bureau of Energy, Ministry of Economic Affairs. The Global Warming Potential (GWP) defined in IPCC AR5 (2014) has been choose and correctly referred by the Organization.

Verification Opinion ☒ unmodified

APPENDIX A

Quantification of GHG emission intensity of Direct and Imported Energy Indirect Emission: (tonnes CO₂e)

Category	ton CO ₂ -e	ton CO ₂ -e/1000 NTD revenue
Cat 1	4,034,299.5445	0.0155
Cat 2	11,200.4093	0.00004

revenue data draw from Yang Ming Annual Report

APPENDIX B

The greenhouse gas statements of YANG MING MARINE TRANSPORT CORPORATION Greenhouse Gas Inventory Management Report (2022) with respect to the following sites:

Site	Address
Yang Ming Marine Transport Corp. CiDu Headquarter	No. 271, Ming De 1st Road, Cidu District, Keelung 20464 Taiwan
Yang Ming Marine Transport Corp. Keelung Sinyi Building	B1, 3, 4, 6, 7, 8, 10, 11, 12F, No. 150, Sin 1st Road, Sinyi District, Keelung 20145 Taiwan
Keelung Container Terminal	No. 1, Zhongshan 4th Road, Zhongshan District, Keelung 20343 Taiwan
Yang Ming Marine Transport Corp. Taiwan Business Department	2 & 3F, No. 243 Sec. 2, Chongqing N. Road., Datong District, Taipei 10359 Taiwan
Yang Ming Marine Transport Corp. Taichung Branch	20th Fl-1., No. 241, Sec. 3, Wenxin Road, Xitun District, Taichung 40753 Taiwan
Yang Ming Marine Transport Corp. Taichung Wuqi Office	7F.-6, NO.82-1, Bade Rd., Wuqi Dist., Taichung City 43542 Taiwan
Yang Ming Marine Transport Corp. Kaohsiung Branch	No. 999, Sinsheng Road Siaogang District Kaohsiung 81234 Taiwan
Ships	100 ships which the organization has operational control

APPENDIX C

The scope of indirect emissions, other than Imported Energy of YANG MING MARINE TRANSPORT CORPORATION Greenhouse Gas Inventory Management Report (2022)

Indirect Emissions Category	Subcategory	Boundary
Transportation	CDP4 Upstream transportation and distribution	Transportation of the new containers purchased.
	CDP6 Business travel	Transportation of employees for business-related activities
	CDP7 Employee commuting	Transportation of employees travelling between company and residence place. The factory shuttle buses were included.
Products used by organization	CDP2 Capital goods	Upstream (cradle-to-gate) emissions of purchased new containers.
	CDP3 Fuel-and-energy-related activities (not included in Scope 1 or 2)	Upstream emissions of purchased fuels & electricity, including ships use shore electricity in global terminal.
	CDP5 Waste generated in operations	Disposal or treatment of waste, including the transportation of waste
The use of products from the organization	CDP13 Downstream leased assets	Operation of ships owned by Organization (lessor) and leased to other entities, not included in scope 1 and scope 2 – reported by lessor.

The scope of other indirect emissions (other than Imported Energy with specified/limited list of sources) was defined by YANG MING MARINE TRANSPORT CORPORATION's own pre-determined criteria for significance of indirect emissions, considering the intended use of the GHG inventory.