

Independent Assurance Opinion

Verification Opinion No.:
C614499-2022-AG-TWN-DNV

Issued date:
23 August, 2023

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

LCY Technology Corp. Copper Foil Plant

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by LCY Technology Corp. Copper Foil Plant (‘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, and indirect GHG emissions from products used by 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

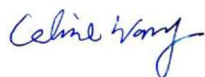
Verification Opinion

It is DNV’s opinion that the Inventory Report (2022), which was published on July 12, 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 tested using agreed-upon procedures, AUP, defined in Inventory Report.

Celine Wang
GHG Verifier



Place and date:
Taipei, 23 August, 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 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, 2022 to 31st December, 2022, it is DNV's opinion that relevant 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

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

Category	Direct and indirect GHG emissions categorization*	Emissions and removals verified, (tonnes CO ₂ -e)
1	Direct emissions and removals**	696.0778
2	Indirect GHG emissions from imported energy	60,892.5406
3	Indirect GHG emissions from transportation	731.2504
4	Indirect GHG emissions from products used by the Organization	17,599.7893
Total greenhouse gas emissions and removals		79,919.6581

*: Unless other indicated, the Indirect Emissions was calculated based on 2022 electricity emission factor of 0.495 kg CO₂-e/kwh, which was announced by Bureau of Energy, Ministry of Economic Affairs. The Global Warming Potential (GWP) defined in IPCC AR6 (2023) has been choose and correctly referred by the Organization.

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

Verification Opinion

unmodified
 modified
 adverse



Appendix to Verification Opinion No. C614499-2022-AG-TWN-DNV

APPENDIX A

The greenhouse gas statements of LCY Technology Corp. Copper Foil Plant Greenhouse Gas Inventory Management Report (2022) with respect to the following sites:

Site	Organization	Address
1	LCY Technology Corp. Copper Foil Plant	No. 3-1, Zhonglin Road, Xiaogang District, Kaohsiung City, Taiwan (R.O.C.)

APPENDIX B

The Reporting Boundary of LCY Technology Corp. Copper Foil Plant Greenhouse Gas Inventory Management Report (2022)

Category	Reporting Boundary
Direct GHG emissions and removals	-Mainly from fuel consumption, other GHG sources or sinks inside organizational boundaries and that are owned or controlled by the organization.
Indirect GHG emissions from imported energy	-The amount of greenhouse gas emissions produced by the input of electricity and steam.

Category	Subcategory	Reporting Boundary
Indirect GHG emissions from transportation	-Upstream transportation and distribution for goods	- Emissions from regular purchase of raw material transportation, including raw materials, auxiliary materials, packaging materials and filter materials.
	-Downstream transportation and distribution	-Emissions from the transportation and distribution of products.
	-Emissions from employee commuting	- Employees commute. Employee transportation between home and work, including cars and motorcycles or public transportation.
	-Emissions from business travel	-Business travel. Transportation of employees for business-related activities, includes land, sea, and air transportation.
Indirect GHG emissions from products used by the Organization	-Purchased goods, fuel-and-energy-related activities (not include in category 1 or 2)	-Upstream (cradle-to-gate) emissions from regularly purchased raw materials, except filter materials. -Emissions associated with the production of purchased energy (i.e. upstream emissions associated with fuels and electricity production)
	-Emissions from disposal of solid and liquid waste	-Emissions from the disposal treatment and transportation of solid and liquid waste.