



溫室氣體排放量 查證聲明書

聲明書編號：
10000498247-MS-C-TAF-TWN

地點和日期：
台北，中華民國 110 年 10 月 08 日

頁數：
2 之 1 頁

事業連絡資訊

奇美實業股份有限公司 (管制編號 R1002065/D28A0616/R10A3047/R03A0608)

通訊地址：台南市仁德區文賢里中正路一段 398 號 A 棟
聯絡電話：06-266 3000

查證結果摘要

茲證明本案符合行政院環境保護署現行規定，查證結果發現未違反實質性限制，符合行政院環境保護署認可之合理保證等級。

查證準則

溫室氣體減量及管理法、溫室氣體排放量盤查登錄管理辦法等法令規章，行政院環境保護署發布之國家溫室氣體登錄平台之相關最新規定，CNS 14064-1溫室氣體-第1部：組織層級溫室氣體排放與移除之量化及報告附指引之規範。

查證範圍

涵蓋奇美實業股份有限公司擁有與經營之2家化學材料、化學製品、塑膠製品製造業、1家電子零組件與其他化學製品製造業及1家倉儲業，共計4處設施。

名稱	地址	管制編號
奇美實業股份有限公司	台南市仁德區文賢里中正路一段 398 號 A 棟	R1002065
奇美實業股份有限公司	台南市南區鯤鯓里新港路 375 號	D28A0616
奇美實業股份有限公司旭美廠	台南市仁德區保安里開發四路 36 號	R10A3047
奇美實業股份有限公司樹谷廠	台南市新市區王甲路 18 號	R03A0608

盤查期間

自中華民國109年1月1日至109年12月31日

本案主導查驗員：

黃建宜

查證作業實施日期：

中華民國 110 年 5 月 25 日至 10 月 04 日



查驗機構發章：

立恩威國際驗證股份有限公司

謝振璋

總經理

查證聲明書核發日期：

中華民國 110 年 10 月 08 日





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查證數據

採IPCC 2007年第四次評估報告(AR4)公告之GWP值彙總排放量

公噸二氧化碳當量	管制編號	直接溫室氣體排放 (範疇一)	能源間接溫室氣體 排放(範疇二)	總計
奇美實業股份有限公司	R1002065	154,798.0233	259,602.9728	414,400.996
奇美實業股份有限公司	D28A0616	268.1660	1,231.7574	1,499.923
奇美實業股份有限公司旭美廠	R10A3047	169,220.7057	30,281.5456	199,502.251
奇美實業股份有限公司樹谷廠	R03A0608	1,840.7109	8,173.7648	10,014.476
合計		326,127.6059	299,290.0406	625,417.646

(外購電力之溫室氣體排放量, 依經濟部能源局 110 年 9 月 27 日公告 109 年度電力排碳係數 0.502 公斤 CO2e/度計算)

查證意見

依據查證者所執行之查證過程與程序, 有充分證據顯示奇美實業股份有限公司之溫室氣體主張不具實質差異, 且係根據協議之查證準則規範的溫室氣體量化、監測與報告的國際標準予以準備, 並公正地呈現溫室氣體數據及相關資訊。

保留限制

無

保密性聲明

此報告及附件可能包含屬於奇美實業股份有限公司之機密資訊, 除作為行政院環境保護署相關額度認可申請之證明文件外, 未經奇美實業股份有限公司書面同意, 其他個人、團體或公司禁止自行複製或發行。

利益衝突迴避聲明

(一) 茲保證此報告及附件內容完全依照行政院環境保護署及有關機關之相關規範, 秉持公正、誠實之原則進行查證作業。絕無虛偽不實, 如有違反, 就政府機關所受損失願負連帶賠償責任之外, 並接受主管機關依法令所為之行政處分及刑事處罰。
(二) 吾人瞭解如自身受政府機關委任從事公務, 亦屬於刑法上之公務員, 並瞭解刑法上圖利罪、公務員登載不實偽造公文書及貪污治罪條例之相關規定, 如有違反, 亦為刑法及貪污治罪條例之適用對象, 願受最嚴厲之法律制裁。
(三) 保證本公司與受查證單位並無財務投資之關係, 且符合主管機關對利益衝突迴避之要求。如有違反前述事實情事, 經主管機關查證屬實時, 此報告及附件內容願接受主管機關判定為無效之處分。

此證

負責人簽章: 謝振璋

職稱: 總經理

中華民國 110 年 10 月 08 日

查驗人員簽章: 黃建宜

、郭祥亭

、金仲萱



ASSURANCE STATEMENT

Introduction

DNV Business Assurance Co. Ltd. Taiwan ('DNV') has been commissioned by the management of CHIMEI CORPORATION ('ChiMei' or 'the Company') to carry out an assurance engagement on the Company's 2020 Greenhouse Gas Scope 3 Emissions Report ('the Report') against the "Corporate Value Chain (Scope 3) Accounting and Reporting Standard," and "Guidance for Calculating Scope 3 Emissions" developed by WRI & WBCSD. The verification was conducted in accordance with ISO 14066:2011, ISO 14065:2013 and ISO 14064-3:2006 and the DNV Protocol for Verification of Sustainability Reporting (VeriSustain®).

The management of CHIMEI CORPORATION is responsible for the collection, analysis, aggregation and presentation of information within the Report. Our responsibility in performing this work is to the management of CHIMEI CORPORATION only and in accordance with terms of reference agreed with the Company. The management of CHIMEI CORPORATION are the intended users of this statement. We consent to the release of this assurance statement by CHIMEI CORPORATION in order to satisfy the terms of CDP disclosure requirements but without accepting or assuming any responsibility or liability on our part to CDP or to any other party who may have access to this assurance statement or our assurance report. The assurance engagement is based on the assumption that the data and information provided to us is complete and true.

Scope of Assurance

The scope of work agreed upon with CHIMEI CORPORATION is the Scope 3 CO₂e emissions (with specified/limited list of sources of Scope 3 emissions) included the following:

Category	Boundary
Indirect GHG emissions from transportation	<ul style="list-style-type: none"> -Upstream transportation and distribution-the greenhouse gas emissions emitted during the transportation of the spare parts and consumables on-board supplies purchased. -Downstream transportation and distribution-Long distance transportation overseas including distribution to China, U.S.A. and HongKong -Business travel-employee travel overseas by air transportation. -Employee commuting-employee commuting includes vehicles and motorcycles or public transportation.
Indirect GHG emissions from products used by the Organization	<ul style="list-style-type: none"> -Product purchased-the GHG emitted related to the annual purchases of top 5 raw material, -Product of purchased energy (electricity, oil and fuel), but not included in scope 1 and 2. -Disposal of solid and liquid waste-the GHG emitted related to waste disposal.

Verification Methodology

The verification was conducted by DNV from May 25, 2021, by suitably qualified and experienced professionals, in accordance with ISO 14066:2011, ISO 14065:2013, ISO 14064-3:2006 and DNV Protocol VeriSustain.

The Report has been evaluated against the following criteria:

- In accordance with the "Corporate Value Chain (Scope 3) Accounting and Reporting Standard," and "Guidance for Calculating Scope 3 Emissions" developed by WRI & WBCSD;
- Adherence to principles set out in DNV's Protocol VeriSustain.

During the assurance engagement, we have taken a risk-based approach, meaning that we concentrated our verification efforts more on the high material data flow. We have challenged the statements and claims made in the Report and assessed the robustness of the underlying data management flow and controls. In doing so, we have:

- Examined and reviewed documents, data and other information made available to DNV by CHIMEI CORPORATION;
- Visited the head-office and the related operation offices located in Taiwan;
- Performed sample-based checks of the emissions dataset and consolidation process;
- Review of procedures for collection of activity data and emission factor and calculations including routines for data quality management.

Conclusions

It is DNV's opinion, in accordance with limited assurance, we conclude that no systematic errors were detected which causes us to believe that the specified data presented in the Report is not reliable in accordance with the "Corporate Value Chain (Scope 3) Accounting and Reporting Standard," and "Guidance for Calculating Scope 3 Emissions".



ASSURANCE STATEMENT

Quantification of Greenhouse Gas scope 3 Emission

The CO₂-e scope 3 emissions (with specified boundary) of CHIMEI CORPORATION Greenhouse Gas Scope 3 Emissions Report (2020), dated July 2021, covering the period January 1st, 2020 to December 31st, 2020:

Category	Item	Tonnes CO ₂ e
Indirect GHG Emissions from transportation	Upstream transportation and distribution-the greenhouse gas emissions emitted during the transportation of the spare parts and consumables on-board supplies purchased.	119,442.1868
	Downstream transportation and distribution-Long distance transportation overseas including distribution to China, U.S.A. and HongKong	39,442.2286
	Business travel-employee travel overseas by air transportation	11.9431
	Employee commuting-employee commuting includes vehicles and motorcycles or public transportation	1,393.1499
Indirect GHG emissions from products used by the Organization	Product purchased-the GHG emitted related to the annual purchases of top 5 raw material.	2,741,435.3849
	Product of purchased energy (electricity, oil and fuel), but not included in scope 1 and 2.	132,701.3007
	Disposal of solid and liquid waste-the GHG emitted related to waste disposal	411.9977

Limitations

This statement is based upon the application of sample principles and professional judgment to certain facts, with resulting subjective interpretations. Professional judgments expressed herein are based upon the facts currently available within the limits of the existing data, scope of work, the budget and time schedule. Therefore we cannot provide guarantees that further relevant aspects may not arise in the future which were not known to us during the investigation.

DNV's Competence and Independence

DNV is a global provider of sustainability services, with environmental and social assurance specialists working in over 100 countries. DNV was not involved in the preparation of any statements or data included in the Report except for this Assurance Statement. DNV expressly disclaims any liability or co-responsibility for any decision a person or entity would make based on this Assurance Statement.

For DNV Business Assurance Co. Ltd. Taiwan,
Signed:

Name of Lead Verifier: Chien Yi Jerry Huang
DNV Business Assurance Co. Ltd.,
Taiwan, 19 July, 2021

Signed:

Name of Reviewer: David Hsieh
District Manager

Statement Number: 10000474795-MSC-DNV-TWN