



DNV Business Assurance Co., Ltd.  
29F, No. 293, Sec. 2, Wenhua Rd.,  
Banchiao Dist., New Taipei City  
Taiwan, R.O.C.  
Tel: +886 (2) 8253-7800  
Fax: +886 (2) 8253-7699  
http://www.dnv.com

鑫陽鋼鐵股份有限公司  
SHIN YANG STEEL CO., LTD.  
82544 高雄市橋頭區芋寮里芋寮路 297 號  
No. 297, Yuliao Road, Qiaotou District, Kaohsiung City 82544, Taiwan  
(R.O.C.)

敬啟者/To Whom It May Concern

文號/Our ref.:  
ZAPTW651DAVIDHSIEH 110718-1

日期/Date:  
2011-07-18

## 聲明/Statement

鑫陽鋼鐵股份有限公司向 DNV 提出溫室氣體盤查確證申請，申請內容如下：  
SHIN YANG STEEL CO., LTD. HAS APPLIED GREENHOUSE GAS PROGRAM VALIDATION/  
VERIFICATION FROM DNV. WHICH CONTAINS:

盤查項目/VERIFICATION TYPE: ISO 14064-1

盤查範圍/SCOPE: 燐輝企業 2005 年溫室氣體盤查報告書 (鋼一廠及鋼二廠)

盤查地址/ADDRESS:

鋼一廠: 82544 高雄市橋頭區芋寮里芋寮路 297 號

No. 297, Yuliao Road, Qiaotou District, Kaohsiung City 82544, Taiwan (R.O.C.)

鋼二廠: 82547 高雄市橋頭區頂鹽里典昌路 2 號

No. 2, Dianchang Road, Qiaotou District, Kaohsiung City 82547, Taiwan (R.O.C.)

現場查證時間/DATE: 2010-12-30

茲因前列原燐輝企業股份有限公司(以下簡稱燐輝)鋼一廠及鋼二廠之溫室氣體盤查範圍，在燐輝經營策略之考量下，已將此範圍獨立成立為鑫陽鋼鐵股份有限公司(以下簡稱鑫陽)。經 DNV 現場查證相關文件及記錄，確認範圍如下：

1. 原燐輝鋼一廠之 2005 年溫室氣體盤查報告書組織邊界設定與鑫陽鋼一廠一致(涵蓋鋼一廠、裁剪廠及第二大樓)。
  2. 原燐輝鋼二廠之 2005 年溫室氣體盤查報告書組織邊界設定與鑫陽鋼二廠一致。
- 根據查證結果與原 DNV 所查驗通過者一致，特此核發此證明函。

DNV was informed that the organization name related to above verification scope and address now has been modified as Shin Yang Steel Co., Ltd. (hereinafter called Shin Yang) under the business consideration of Yieh Phui Enterprise Co., Ltd. (hereinafter called Yieh Phui) the original name of the applicant. And, under its request, based on the reviewing of official documents it provided and the on-site confirmation conducted, DNV is able to confirm the followings,

1. The scope and boundary set for original Yieh Phui Steel Pipe Works I are consistent with Shin Yang Works I, covering Works I, Slitting Works, and the second administration building.
2. The scope and boundary set for original Yieh Phui Steel Pipe Works II are consistent with Shin Yang Works II.

And hence this statement is issued for.



DNV Business Assurance Co., Ltd.  
29F, No. 293, Sec. 2, Wenhua Rd.,  
Banchiau Dist., New Taipei City  
Taiwan, R.O.C.  
Tel: +886 (2) 8253-7800  
Fax: +886 (2) 8253-7699  
<http://www.dnv.com>

鑫陽鋼鐵股份有限公司  
SHIN YANG STEEL CO., LTD.  
82544 高雄市橋頭區芋寮里芋寮路 297 號  
No. 297, Yuliao Road, Qiaotou District, Kaohsiung City 82544, Taiwan  
(R.O.C.)

敬啟者/To Whom It May Concern

文號/Our ref.:  
ZAPTW651DAVIDHSIEH 110718-1

日期/Date:  
2011-07-18

申請公司/Applicant: 鑫陽鋼鐵股份有限公司/SHIN YANG STEEL CO., LTD.

原 DNV 核發之證明書編號/Original Verification Code from DNV:

燁輝鋼一廠/Yieh Phui Steel Pipe Works I : 00014-2010-AG-TWN-TAF

燁輝鋼二廠/Yieh Phui Steel Pipe Works II : 00015-2010-AG-TWN-TAF

David Hsieh  
立恩威國際驗證股份有限公司, 台灣區經理  
DNV BUSINESS ASSURANCE CO., LTD., DISTRICT MANAGER



西元 2011 年 7 月 18 日  
2011-07-18





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Statement No. 00014-2010-AG-TWN-TAF

Page 1 of 3

### Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works I

*initiate reporting of*

### Greenhouse Gas Inventory

### Management Report (2005)

#### Scope of Verification

*Det Norske Veritas Certification (DNV) has been commissioned by Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works I to perform a verification of the greenhouse gas assertion of Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works I Greenhouse Gas Inventory Management Report (2005) (hereafter the "Inventory Report") in Taiwan, ROC with respect to the following area: 297, Yuliao Road, Qiaotou District, Kaohsiung, Taiwan (R.O.C.).*

#### Verification Criteria and GHG Programme

*The verification was performed on the basis of ISO 14064-1:2006 and CNS 14064-1:2006 as well as criteria given, including to the requirement from Environmental Protection Administration, Executive Yuan, ROC, to provide for consistent GHG emission identification, calculation, monitoring and reporting.*

#### Verification Statement

*It is DNV's opinion that with reasonable assurance level the greenhouse gas assertion of the Inventory Report (2005), which was published on Dec. 23, 2010 (Ver 1.0), is free from material discrepancies in accordance with the verification criteria identified as stated above.*

Chun-Nan Lin  
GHG Verifier  
May 5, 2011



Greenhouse Gases  
GHG011

David Hsieh  
District Manager  
DNV Certification Taiwan

This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, DNV can not guarantee the accuracy or correctness of the information. DNV can not be held liable by any party relying or acting upon this Verification Opinion.  
The statement is transferred from Det Norske Veritas AS (GHG05), Because the company business transfer





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Supplement to Statement No. 00014-2010-AG-TWN-TAF

Page 2 of 3

### 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 covers the period from Jan. 1, 2005 to Dec. 31, 2005. It is DNV's opinion that the Inventory Report 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

☒ CO<sub>2</sub> ☒ CH<sub>4</sub> ☒ N<sub>2</sub>O ☒ HFCs ☒ PFCs ☒ SF<sub>6</sub>

*Total Direct Emissions: 7,579.04 Tonnes CO<sub>2</sub>-e*

*Total Energy Indirect Emissions: 5,704.17 Tonnes CO<sub>2</sub>-e*

*The Global Warming Potential (GWP) defined in IPCC SAR (1995) has been choose and correctly referred by the Organization.*

### Verification Opinion

☒ Verified without Qualification

☐ Unable to Verify





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Supplement to Statement No. 00014-2010-AG-TWN-TAF

Page 3 of 3

(本附頁內容依行政院環境保護署溫室氣體查證指引規定要求彙整)

### 組織聯絡資訊

組織名稱: 燁輝企業股份有限公司鋼一廠

聯絡電話: +886-7-6117181

通訊地址: 825 高雄市橋頭區芋寮里芋寮路 297 號

### 保密性聲明

此報告及附件可能包含屬於燁輝企業股份有限公司鋼一廠之機密資訊,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,未經燁輝企業股份有限公司鋼一廠書面同意,其它個人、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. 吾人了解如自身受政府機關委任從事公務,亦屬刑法上之公務員,並了解刑法上圖利罪、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投資財務之關係,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。





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Statement No. 00015-2010-AG-TWN-TAF

Page 1 of 3

### Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works II

*initiate reporting of*

### Greenhouse Gas Inventory

### Management Report (2005)

#### Scope of Verification

*Det Norske Veritas Certification (DNV) has been commissioned by Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works II to perform a verification of the greenhouse gas assertion of Yieh Phui Enterprise Co., Ltd. - Steel Pipe Works II Greenhouse Gas Inventory Management Report (2005) (hereafter the "Inventory Report") in Taiwan, ROC with respect to the following area: 2, Dianchang Road, Qiaotou District, Kaohsiung, Taiwan (R.O.C.)*

#### Verification Criteria and GHG Programme

*The verification was performed on the basis of ISO 14064-1:2006 and CNS 14064-1:2006 as well as criteria given, including to the requirement from Environmental Protection Administration, Executive Yuan, ROC, to provide for consistent GHG emission identification, calculation, monitoring and reporting.*

#### Verification Statement

*It is DNV's opinion that with reasonable assurance level the greenhouse gas assertion of the Inventory Report (2005), which was published on Dec. 23, 2010 (Ver 1.0), is free from material discrepancies in accordance with the verification criteria identified as stated above.*

Chun-Nan Lin  
GHG Verifier  
May 5, 2011



Greenhouse Gases  
GHG011

David Hsieh  
District Manager  
DNV Certification Taiwan

This Validation Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, DNV can not guarantee the accuracy or correctness of the information. DNV can not be held liable by any party relying or acting upon this Validation Opinion.  
The statement is transferred from Det Norske Veritas AS (GHG05), Because the company business transfer





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Supplement to Statement No. 00015-2010-AG-TWN-TAF

Page 2 of 3

### 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 covers the period from Jan. 1, 2005 to Dec. 31, 2005. It is DNV's opinion that the Inventory Report 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

☒ CO<sub>2</sub> ☒ CH<sub>4</sub> ☒ N<sub>2</sub>O ☒ HFCs ☒ PFCs ☒ SF<sub>6</sub>

*Total Direct Emissions: 67.58 Tonnes CO<sub>2</sub>-e*

*Total Energy Indirect Emissions: 1,671.42 Tonnes CO<sub>2</sub>-e*

*The Global Warming Potential (GWP) defined in IPCC SAR (1995) has been choose and correctly referred by the Organization.*

### Verification Opinion

☒ Verified without Qualification

☐ Unable to Verify





## VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Supplement to Statement No. 00015-2010-AG-TWN-TAF

Page 3 of 3

(本附頁內容依行政院環境保護署溫室氣體查證指引規定要求彙整)

### 組織聯絡資訊

組織名稱: 燁輝企業股份有限公司鋼二廠

聯絡電話: +886-7-6117181

通訊地址: 825 高雄市橋頭區頂鹽里典昌路 2 號

### 保密性聲明

此報告及附件可能包含屬於燁輝企業股份有限公司鋼二廠之機密資訊，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，未經燁輝企業股份有限公司鋼二廠書面同意，其它個人、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. 吾人了解如自身受政府機關委任從事公務，亦屬刑法上之公務員，並了解刑法上圖利罪、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投資財務之關係，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。