

110年度煙道廢氣委託檢測結果一覽表

| 採樣日期及爐號                        |              | 2 號爐             | 3 號爐             | 4 號爐             | 1 號爐             | O <sub>2</sub><br>參考<br>基準 |
|--------------------------------|--------------|------------------|------------------|------------------|------------------|----------------------------|
|                                |              | 3/2 ~ 3/4        | 6/21 ~ 6/23      | 7/5 ~ 7/7        | 10/4 ~ 10/6      |                            |
| 排放標準<br>檢驗項目                   |              |                  |                  |                  |                  |                            |
| 氯化氫(ppm)                       | <b>60</b>    | 5                | ND<br>(<3)       | 5                | ND<br>(<2)       | 11%                        |
| 氮氧化物(ppm)                      | <b>220</b>   | 83               | 93               | 81               | 100              | 11%                        |
| 硫氧化物(ppm)                      | <b>150</b>   | 4                | 5                | 5                | 2                | 11%                        |
| 一氧化碳(ppm)                      | <b>150</b>   | 5                | 8                | 6                | 5                | 11%                        |
| 粒狀污染物<br>(mg/Nm <sup>3</sup> ) | <b>註三</b>    | 1                | 1                | <1<br>(0.5)      | 3                | 11%                        |
| 鉛(mg/Nm <sup>3</sup> )         | <b>0.2</b>   | ND<br>(<0.0101)  | ND<br>(<0.0115)  | ND<br>(<0.0106)  | ND<br>(<0.0104)  | 11%                        |
| 鎘(mg/Nm <sup>3</sup> )         | <b>0.02</b>  | ND<br>(<0.00105) | ND<br>(<0.00119) | ND<br>(<0.00110) | ND<br>(<0.00107) | 11%                        |
| 汞(mg/Nm <sup>3</sup> )         | <b>0.050</b> | 0.0013           | 0.0014           | 0.0020           | 0.0008           | 11%                        |
| 揮發性有機物<br>(ppm)                | -            | ND<br>(<1)       | 2                | ND<br>(<1)       | ND<br>(<1)       | 11%                        |
| 採樣單位                           |              | 台旭環境             | 台旭環境             | 台旭環境             | 台旭環境             |                            |
| 檢測單位                           |              | 台旭環境             | 台旭環境             | 台旭環境             | 台旭環境             |                            |
| 報告簽署人                          |              | 葉明美              | 葉明美              | 葉明美              | 葉明美              |                            |

註一：ND 表示低於方法偵測極限。

註二：依「空氣污染防制法」第 22 條及 92 年 2 月 19 日環保署訂定發布「固定污染源自行或委託檢測及申報管理辦法」第 3 條、第 5 條規定，本廠煙道廢氣每季委託檢測 1 爐 1 次。

註三：粒狀污染物排放標準依環保署公告「一般廢棄物焚化爐空氣污染物排放標準」由檢測時排氣量換算 ( $C=1364.2Q^{-0.386}$ ) 而得。本廠第 110 年第 1、2、3、4 季委託檢測粒狀污染物排放標準經換算為 83、83、72、82mg/Nm<sup>3</sup>。

## The Result of Outsourcing Detection of Stack Emission in ROC 110

| Sampling date and incinerator number    |               | No.2   | No.3   | No.4   | No.1   | O <sub>2</sub> Reference standard |
|---|---------------|--|--|--|--|-----------------------------------|
|   |               | standards                                      | 3/2 ~ 3/4                                      | 6/21 ~ 6/23                                    | 7/5 ~ 7/7                                      |                                   |
| Emission Test items                     |               |  |  |  |  |                                   |
| HCl(ppm)                                | <b>60</b>     | 5  | ND<br>(<3)                                     | 5  | ND<br>(<2)                                     | 11%                               |
| NO <sub>x</sub> (ppm)                   | <b>220</b>    | 83   | 93   | 81   | 100  | 11%                               |
| SO <sub>x</sub> (ppm)                   | <b>150</b>    | 4  | 5  | 5  | 2  | 11%                               |
| CO(ppm)                                 | <b>150</b>    | 5  | 8  | 6  | 5  | 11%                               |
| Particulate matter(mg/Nm <sup>3</sup> ) | <b>Ref 3.</b> | 1  | 1  | <1<br>(0.5)                                    | 3  | 11%                               |
| Pb(mg/Nm <sup>3</sup> )                 | <b>0.2</b>    | ND<br>(<0.0101)                                | ND<br>(<0.0115)                                | ND<br>(<0.0106)                                | ND<br>(<0.0104)                                | 11%                               |
| Cd(mg/Nm <sup>3</sup> )                 | <b>0.02</b>   | ND<br>(<0.00105)                               | ND<br>(<0.00119)                               | ND<br>(<0.00110)                               | ND<br>(<0.00107)                               | 11%                               |
| Hg(mg/Nm <sup>3</sup> )                 | <b>0.050</b>  | 0.0013   | 0.0014   | 0.0020   | 0.0008   | 11%                               |
| VOC(ppm)                                | -             | ND<br>(<1)                                     | 2  | ND<br>(<1)                                     | ND<br>(<1)                                     | 11%                               |
| Sampling institution                    |               | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd |                                   |
| Detection institution                   |               | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd | Taiwan-Asahi Environmental Technology Co., Ltd |                                   |
| Report undersigned                      |               | Ming-Mei Yeh                                   | Ming-Mei Yeh                                   | Ming-Mei Yeh                                   | Ming-Mei Yeh                                   |                                   |

Ref 1 : ND represents the result is lower than the detection limit.

Ref 2 : Pursuant to Article 22 of “Air Pollution Act” and 固定污染源自行或委託檢測及申報管理辦法第 3 條、第 5 條, each incinerator should conduct once a year regular tests of stack emissions.

Ref 3 : The emission standard of particulate matter is converted based on emission quantity  $C=1364.2Q^{-0.386}$  according to the “Waste Incinerator Air Pollutant Emissions Standards” which is enacted by Environmental Protection Administration Executive Yuan. The emission standard of particulate matter in the 1<sup>st</sup>、2<sup>nd</sup>、3<sup>th</sup>、4<sup>th</sup> season are respectively 83、83、72、82 mg/Nm<sup>3</sup>.