

111年度煙道廢氣委託檢測結果一覽表

採樣日期及爐號		3 號爐	1 號爐	2 號爐	4 號爐	O <sub>2</sub> 參考 基準
		2/23 ~ 2/25	4/7~4/8	7/5~7/7	10/4-6	
排放標準 檢驗項目						
氯化氫(ppm)	<b>60</b>	20	ND (<2)	ND (<2)	ND (<2)	11%
氮氧化物(ppm)	<b>220</b>	89	77	97	89	11%
硫氧化物(ppm)	<b>150</b>	ND (<2)	ND (<2)	ND (<2)	ND (<3)	11%
一氧化碳(ppm)	<b>150</b>	4	25	3	5	11%
粒狀污染物 (mg/Nm <sup>3</sup> )	<b>註三</b>	2	1	2	1	11%
鉛(mg/Nm <sup>3</sup> )	<b>0.2</b>	ND (<0.0112)	ND (<0.0098)	0.014	ND (<0.0098)	11%
鎘(mg/Nm <sup>3</sup> )	<b>0.02</b>	ND (<0.00114)	ND (<0.001)	ND (<0.00104)	ND (<0.00100)	11%
汞(mg/Nm <sup>3</sup> )	<b>0.050</b>	0.0021	0.0015	0.0035	0.0037	11%
揮發性有機物 (ppm)	-	2	2	2	2	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 111 年第 1、2、3、4 季委託檢測粒狀污染物排放標準經換算為 78、79、84、69mg/Nm<sup>3</sup>。

## The Result of Outsourcing Detection of Stack Emission in ROC 111

Sampling date and incinerator number		No.3	No.1	No.2	No.4	O <sub>2</sub> Reference standard
		standards	2/23 ~ 2/25	4/7~4/8	7/5~7/7	
Emission Test items						
HCl(ppm)	<b>60</b>	20	ND (<2)	ND (<2)	ND (<2)	11%
NO <sub>x</sub> (ppm)	<b>220</b>	89	77	97	89	11%
SO <sub>x</sub> (ppm)	<b>150</b>	ND (<2)	ND (<2)	ND (<2)	ND (<3)	11%
CO(ppm)	<b>150</b>	4	25	3	5	11%
Particulate matter(mg/Nm <sup>3</sup> )	<b>Ref 3.</b>	2	1	2	1	11%
Pb(mg/Nm <sup>3</sup> )	<b>0.2</b>	ND (<0.0112)	ND (<0.0098)	0.014	ND (<0.0098)	11%
Cd(mg/Nm <sup>3</sup> )	<b>0.02</b>	ND (<0.00114)	ND (<0.001)	ND (<0.00104)	ND (<0.00100)	11%
Hg(mg/Nm <sup>3</sup> )	<b>0.050</b>	0.0021	0.0015	0.0035	0.0037	11%
VOC(ppm)	-	2	2	2	2	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>rd</sup>、4<sup>th</sup>、season are respectively 78、79、84、69mg/Nm<sup>3</sup>.