

US EPA ARCHIVE DOCUMENT

**Table A-1  
Plantwide GHG Emission Summary  
Formosa Plastic Corporation, Texas  
Olefins Expansion  
April 2014**

Name	EPN(s)	GHG Mass Emissions [1]	CO <sub>2</sub> e [1]
		ton/yr	ton/yr
Cracking Furnace Nos. 1 through 14	OL3-FUR1 through OL3-FUR14	1,543,060	1,544,785
Steam Boiler Nos. 1 through 4	OL3-BOIL1 through OL3-BOIL4	834,087	835,023
PDH Reactor Nos. 1 through 4	PDH-REAC1 through PDH-REAC4	236,503	236,943
Olefins 3 Fugitives [4]	OL3-FUG	4.83	114.8
PDH Fugitives [4]	PDH-FUG	1.17	23.17
Elevated Flare [2]	OL3-FLRA, OL3-FLRB	84,037	85,450
Low Pressure Flare 1 [2]	OL3-LPFLR1	9,184	9,857
Low Pressure Flare 2 [2]	OL3-LPFLR2	9,184	9,857
Decoking Drum 1 [3]	OL3-DK1	329	329
Decoking Drum 2 [3]	OL3-DK2		
MAPD Regenerator Vent [4]	OL3-MAPD	32.8	32.8
PDH Unit MSS Vessel Opening [4]	PDH-MSSVO	3.12	9.21
Olefins 3 Plant MSS Vessel Opening [4]	OL3-MSSVO	2.22	54.7
Olefins 3 Emergency Engine	OL3-GEN	447	449
PDH Emergency Engine	PDH-GEN	447	449
<b>total =</b>		<b>2,717,323</b>	<b>2,723,376</b>

Note:

[1] Combustion unit emissions (furnace, boiler, reactors) include emissions from both fuel gas and natural gas combustion. CO<sub>2</sub>e emissions in units of short (English) tons per year.

[2] Flare emissions include emissions from flare pilot and waste gas combustion.

MSS emissions associated with flares streams are also included in the elevated flare value.

[3] Emissions from furnace decoking may occur from either decoking drum 1 or 2.

[4] FPC TX Requests that No Emission Limit be established for this source.

Compliance will be assured with the design/work practice standard as specified in the permit.