

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2798

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY	<u>Emission Rates *</u>
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Case 1: Firing process gas from the butadiene section of the No. 2 Olefins Unit, combined tail gas and pipeline-quality natural gas.

DDB901A	No. 2 Olefins Unit	NO _x	77.6	308.4
	Steam Boiler	CO	14.4	57.0
		SO ₂	30.9	28.1
		PM	5.0	20.0
		VOC	0.8	3.1

Case 2: Co-firing fuel oil produced at the on-site No. 2 Olefins Unit and process gas from the butadiene section of the No. 2 Olefins Unit, combined tail gas and pipeline-quality natural gas.

DDB901A	No. 2 Olefins Unit	NO _x	88.7	357.9
	Steam Boiler	CO	21.8	89.8
		SO ₂	124.3	159.2
		PM	11.5	49.4
		VOC	1.2	4.8

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
schedule:				
Hrs/day____Days/week____Weeks/year____or Hrs/year <u>8,760</u>				

Dated _____