

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (EPN) (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

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Draft: 05/04/00

Permit No. 7654

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. (EPN) (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
SCRUB3 (Was EPN 5.1)	Scrubber Stack 3	Formaldehyde	0.17	0.50
		Ammonia	1.70	3.05
		PM _h	1.44	1.40
SCRUB4 (Was EPN 5.1)	Scrubber Stack 4	Formaldehyde	0.17	0.50
		Ammonia	1.70	3.05
		PM _h	1.44	1.40
RTO	Thermal Oxidizer	Formaldehyde	1.4	4.4
		VOC _{other}	5.6	8.9
		PM 0.08	0.36	
		NO _x 4.4	19.2	
		CO 5.4	23.3	
BOIL-1	Boiler No. 1	NO _x	0.84	3.67
		CO	0.70	3.08
		SO ₂	0.12	0.52
		VOC _{other}	0.05	0.20
		PM	0.06	0.28

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Emission Point No. (EPN) (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BOIL-2	Boiler No. 2	NO _x	0.53	2.30
		CO	0.44	1.93
		SO ₂	0.07	0.33
		VOC _{other}	0.03	0.13
		PM	0.04	0.17
BOIL-3	Boiler No. 3	NO _x	0.84	3.67
		CO	0.70	3.08
		SO ₂	0.12	0.52
		VOC _{other}	0.05	0.20
		PM	0.06	0.28
BOIL-4	Boiler No. 4	NO _x	0.84	3.67
		CO	0.70	3.08
		SO ₂	0.12	0.52
		VOC _{other}	0.05	0.20
		PM	0.06	0.28
BOIL-5 (Was EPN 5.2)	Boiler No. 5	NO _x	2.34	10.25
		CO	1.41	6.16
		SO ₂	0.24	1.05
		PM	0.13	0.57
		VOC _{other}	0.05	0.20
FUG-A	Fugitive Area A (4)	Formaldehyde	0.004	0.017
		VOC _{other}	0.01	0.01
FUG-B	Fugitive Area B (4)	Formaldehyde	0.005	0.021
		VOC _{other}	0.01	0.01
FUG-C	Fugitive Area C (4)	PM	0.04	0.16
PSBAG2 (Was EPN 5.3)	Milkro-Pulsaire Baghouse	PM	0.20	0.70
COOL-1	Cooling Tower 8812	Chlorine	0.0037	0.016
COOL-2	Cooling Tower 8812	Chlorine	0.0037	0.016

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COOL-3	Cooling Tower 8814	Chlorine	0.0027	0.012
COOL-4	Cooling Tower 4861	Chlorine	0.0027	0.012
COOL-5	Cooling Tower 8814	Chlorine	0.0027	0.012
COOL-6	Cooling Tower 8814	Chlorine	0.00066	0.003

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

(3) Specific air contaminant name.

— Formaldehyde

— Chlorine

~~PM₁₀ - 90 percent hexamethylenamine, 10 percent alpha cellulose.~~

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC_{other} - total volatile organic compounds excluding formaldehyde, methane, and ethane.

(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 schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year