EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8907 and PSD-TX-1097

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)	Emission Rates * lb/hr	TPY
4-1	Pattern Shop Wash Tank Stack	VOC	0.034	0.128
9-1	Building 9 Fan No. 1 (CHANFCEC)	PM/PM_{10}	0.96	2.24
		VOC	0.006	0.014
		HAPS (6)	0.005	0.012
		Pb (5)	<0.004	<0.008
9-2	Building 9 Fan No. 2 (CHANFCEA and CHANFCEB)	PM/PM_{10}	0.13	0.30
		VOC	0.001	0.002
		HAPS (6)	0.001	0.002
		Pb (5)	<0.0005	0.001
9-3	Building 9 Fan No. 3 (CHANFCEA and CHANFCEB)	PM/PM_{10}	0.13	0.30
		VOC	0.001	0.002
		HAPS (6)	0.001	0.002
		Pb (5)	<0.0005	0.001
9-4	Building 9 Fan No. 4 (CHANFCEA and CHANFCEB)	PM/PM_{10}	0.13	0.30
		VOC	0.001	0.002
		HAPS (6)	0.001	0.002
		Pb (5)	<0.0005	0.001
10-1	Gaylord Scrubber No. 1 Stack (Gaylord01 and Gaylord02)	VOC	0.018	0.067
		HAPS (6)	0.0001	<0.0004
10-2	Gaylord Scrubber No. 2 Stack (Gaylord03 and Gaylord04)	VOC	0.018	0.067
		HAPS (6)	0.0001	<0.0004

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
10-3	Gaylord Scrubber No. 3 Stack (Gaylord05 and Gaylord06)	VOC	0.018	0.067
		HAPS (6)	0.0001	<0.0004
10-4	Gaylord Scrubber No. 4 Stack (COMBICORE)	VOC	0.018	0.067
		HAPS (6)	0.0001	<0.0004
23-1	Building 23 Fan (IRLADLEREP01)	PM	0.046	0.076
		PM_{10}	0.011	0.019
		CO	0.504	0.840
		VOC	0.033	0.055
		NO_x	0.60	1.00
		SO_x	0.004	0.006
		HAPS (6)	6.6E-06	1.1E-05
		Hexane	6.6E-06	1.1E-05
24-1	Iron Sand Silo No. 1Vent	PM	0.33	1.44
		PM_{10}	<0.05	<0.22
24-2	Iron Sand Silo No. 2Vent	PM	0.33	1.44
		PM_{10}	<0.05	<0.22
24-3	Iron Sand Silo No. 3Vent	PM	0.33	1.44
		PM_{10}	<0.05	<0.22
24-4	Iron Sand Silo No. 4Vent	PM	0.33	1.44
		PM_{10}	<0.05	<0.22
32-1	Building 32 Roof Vent No. 1 (4) (IRSCRAPYARD)	PM	0.97	2.31
		PM_{10}	0.58	1.39
32-2	Building 32 Roof Vent No. 2 (4)	PM	0.75	1.72

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	(IRSCHAND01, IRSCHAND02, and BUNDLDRY01)	PM_{10}	0.44	1.03
		VOC	0.32	0.28
		CO	4.80	4.20
		NO_x	5.72	5.00
		SO_x	0.034	0.03
		HAPS (6)	6.3E-05	5.5E-05
		Hexane	6.6E-06	5.5E-05
64-1	Sand storage and Loading (4) (SANDPILE 64 and SANDLOAD01)	PM	0.78	3.41
		PM_{10}	0.36	1.56
47I-1	47I Dust Collector Stack (SHOBLAST01, SHOBLAST02, SHOBLAST03, and IRGRIND47I)	PM/PM_{10}	3.43	12.84
		Fe (5)	3.09	11.55
		Si	0.34	1.28
47JK-1	47JK Dust Collector Stack (IREIF02, IREIF04, IREIF05, IREIF06, IREIF07, and IRSCHANDO2)	PM/PM_{10}	6.86	25.67
		Pb (5)	0.026	0.10
		VOC	<0.30	0.69
		HAPS (6)	0.06	0.22
		Mg (5)	3.18	11.91
47QR-1	47QR Dust Collector Stack (26SANDSYS, 26APOUR,	PM/PM_{10}	6.00	22.46
		VOC	42.92	100.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	26BPOUR, 26AMOLCOOL,	NO_x	0.30	0.69
	26BMOLCOOL,	SO_x	0.59	1.39
	26SHAKEOUT)	CO	59.40	138.60
	26ACCUMCON,	HAPS (6)	8.89	20.71
	and 26SPRUE	Acetaldehyde	1.90	4.40
		Benzene	1.90	4.43
		Formaldehyde	0.82	1.91
		o-Cresol	0.44	1.03
		Phenol	1.00	2.34
		Toluene	1.25	2.91
		Xylene	0.89	2.07
4A-1	Building 4A Roof Fan No. 1	PM	0.24	<0.001
	(ALUMFCE01)	PM_{10}	0.21	<0.001
		VOC	0.05	<0.001
		NO_x	0.43	0.002
		SO_x	0.63	0.003
		HAPS (6)	1.0E-05	4.0E-08
68A-1	68A Dust Collector Stack	PM/PM_{10}	2.23	8.34
	(SHOBLAST07 and	Fe (5)	2.01	7.51
	SHOBLAST08)	Si (5)	0.22	0.83
68BC-1	68B Dust Collector Stack	PM/PM_{10}	4.29	16.05
	(26CSANDSYS, 26CPOUR,	VOC	25.10	58.56
	26DPOUR, 26CMOLCOOL,	NO_x	0.30	0.69

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	26DMOLCOOL, and 26CSHAKOUT)	SO_x	0.59	1.39
		CO	35.64	83.16
		HAPS (6)	5.77	13.47
		Acetaldehyde	1.04	2.43
		Benzene	1.50	3.50
		Formaldehyde	0.44	1.02
		o-Cresol	0.24	0.55
		Phenol	0.59	1.37
		Toluene	0.92	2.15
		Xylene	0.62	1.45
68J-1	68J Dust Collector Stack (26CSANDSYS, 26CSHAKOUT, and 26CACUMCON)	PM/PM_{10}	3.00	11.23
		VOC	17.82	41.58
		CO	23.76	55.44
		HAPS (6)	3.12	7.29
		Acetaldehyde	0.86	2.00
		Benzene	0.40	0.93
		Formaldehyde	0.38	0.89
		o-Cresol	0.21	0.49
		Phenol	0.42	0.97
		Toluene	0.33	0.77
		Xylene	0.26	0.62
68N-1	68N Dust Collector Stack (SHOBLAST05)	PM/PM_{10}	0.86	3.21
9D-1	Building 9D Fan No.1 (IRONEIF06 and IRONEIF07)	PM/PM_{10}	0.04	0.10
		HAPS (6)	3.8E-04	8.8E-04
		Pb (5)	<0.0002	<0.0004
9D-2	Building 9D Fan No. 2 (IRONEIF02)	PM/ PM_{10}	0.02	0.05
		HAPS (6)	1.9E-04	4.4E-04
		Pb (5)	8.1E-05	1.9E-04
9D-4	Building 9D Fan No. 4 (IRONEIF04)	PM/ PM_{10}	0.02	0.05
		HAPS (6)	1.9E-04	4.4E-04
		Pb (5)	8.1E-05	1.9E-04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
9D-5	Building 9D Fan No. 5 (IRONEIF05)	PM/PM_{10}	0.02	0.05
		HAPS (6)	1.9E-04	4.4E-04
		Pb (5)	8.1E-05	1.9E-04
BS01VENT	Bond Silo No. 1 Vent (BONDSILO1)	PM/PM_{10}	0.05	0.23
BS02VENT	Bond Silo No. 2 Vent (BONDSILO2)	PM/PM_{10}	0.02	0.09
ETA-1	ETA Baghouse Stack (26CSANDSYS)	PM/PM_{10}	3.86	14.44
		HAPS (6)	0.004	0.013
		Pb (5)	6.3E-04	<0.003
M-10	Building 10 Roof Vent (4) (SHELLCORE, LAEMPE01, LAEMPE02, LAEMPE03, LAEMPE04, GAYLORD01, GAYLORD02, GAYLORD03, GAYLORD04, GAYLORD05, GAYLORD06, COMBICORE, and CORETANK01)	VOC	2.17	8.45
		NO_x	0.50	0.25
		SO_x	0.32	0.16
		HAPS (6)	0.010	0.036
		Formaldehyde	<0.004	0.015
M-11A	Building 11A Roof Vent (4) (SHOBLAST01, SHOBLAST02, SHOBLAST03, and SHOBLAST05)	PM	0.61	1.43
		PM_{10}	0.06	0.14
M-11B	Building 11B Roof Vent (4) (28SPRUE, SHOBLAST07, and SHOBLAST08)	PM	0.31	0.71
		PM_{10}	0.03	0.07
M-11C	Building 11C Roof Vent (4)	PM	0.36	0.55

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	(26ACCUMCON, 26SPRUE, and SPCRUSH01)	PM_{10}	0.05	0.08
M-15	Building 15 Roof Vent (4) (RGRIND47I)	PM	0.46	1.07
		PM_{10}	0.05	0.11
M-9	Building 9 Roof Vent (4) (26SANDSYS, 26CSANDSYS, 26APOUR, 26BPOUR, 26CPOUR, 26DPOUR, 26AMOLCOOL, 26BMOLCOOL, 26CMOLCOOL, 26DMOLCOOL 26SHAKEOUT, 26CSHAKOUT, 26CACUMCON, 26CSPRUE, 26AMACH, 26BMACH, 26CMACH, and 26DMACH)	PM	3.25	12.05
		PM_{10}	1.39	3.30
		VOC	1.63	3.83
		NO_x	<0.01	0.014
		SO_x	0.012	<0.03
		CO	1.20	2.80
		HAPS (6)	0.179	<0.42
		Benzene	0.038	0.089
		Formaldehyde	0.017	0.039
		o-Cresol	0.009	0.021
M9-B	Building 9B Roof Vent (4) (IRLADLEREP02)	PM	0.009	0.015
		PM_{10}	0.002	0.004
		CO	0.50	0.84
		NO_x	0.60	1.00
		SO_x	0.004	0.006
		VOC	0.033	0.055
		HAPS (6)	6.06E-6	1.1E-5
PS-01	Paint Shop Fugitives and Oven (4) (PAINTFUG01 and PAINTOVEN01)	PM	<0.01	<0.04
		PM_{10}	0.003	0.01
		CO	<0.10	0.42
		NO_x	0.13	0.50
		SO_x	0.001	0.003

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		VOC	1.82	7.99
		HAPS (6)	1.56E-6	5.56E-6
		Ethylene glycol monobutyl ether	0.88	3.90

(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, suspended in the atmosphere, including PM_{10}
PM_{10} - 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 - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_x - total oxides of sulfur
NO_x - total oxides of nitrogen
CO - carbon monoxide
HAPS - hazardous air pollutants
Pb - lead
Fe - iron
Mg - magnesium
Si - silica
(4) Fugitive emissions are an estimate only.
(5) Included in the PM/PM_{10} total
(6) HAPS are included in the PM, PM_{10} and/or VOC values

Dated August 4, 2008