EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 91949

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	Emission Rates TPY
MISTELIM-1	Mist Eliminator System 1 Stack (10)	PM/PM_{10}	1.83	7.75
		VOC	3.62	7.84
		CO	0.95	1.83
BLDG1-FUG	Building 1 Fugitives (4)	PM/PM_{10}	0.05	0.23
		VOC	0.01	0.02
		CO	<0.01	<0.01
MISTELIM-2	Mist Eliminator System 2 Stack (9)			
		PM/PM_{10}	3.25	14.02
	Scenario 3 (8)	VOC	4.15	10.63
	Combination Coater-Saturator	CO	1.06	2.90
		PM/PM_{10}	1.42	6.00
	Scenario 2 (8)	VOC	2.83	4.86
	Saturated Felt	CO	0.79	1.70
		PM/PM_{10}	1.26	5.30
	Scenario 1 (8)	VOC	3.78	9.01
	Coater (film, fabric, or mineral-surfaced)	CO	0.98	2.56
BLDG2-FUG	Building 2 Fugitives (4) (11)	PM/PM_{10}	0.11	0.43
		VOC	0.07	0.29
		CO	0.01	0.06
FUG-GRAN	Granules Unloading and Granules/Silos Building Fugitives (4)	PM/PM_{10}	<0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

BAG-L2	Solids Handling Baghouse Stack	PM/PM_{10}	0.64	2.82
BNVT-SILO	Limestone Filler Silo Binvent Stack	PM/PM_{10}	0.05	0.24

The following are included for Reference only:

HEAT-1	Asphalt Heater (5)	PM/PM_{10}	0.02	0.10
		NO_x	0.34	1.49
		CO	0.26	1.12
		VOC	0.09	0.41
		SO_2	0.05	0.20
HEAT-TNK1	Asphalt Tank 1 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.13	0.58
		CO	0.10	0.43
		VOC	0.04	0.16
		SO_2	0.02	0.08
HEAT-TNK2	Asphalt Tank 2 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.13	0.58
		CO	0.10	0.43
		VOC	0.04	0.16
		SO_2	0.02	0.08
HEAT-TNK3	Asphalt Tank 3 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.13	0.58
		CO	0.10	0.43
		VOC	0.04	0.16
		SO_2	0.02	0.08
HEAT-OIL	Hot Oil Heater (5)	PM/PM_{10}	0.03	0.14
		NO_x	0.42	1.83
		CO	0.35	1.54
		VOC	0.02	0.10
		SO_2	0.06	0.28
HEAT-TNK4	Asphalt Tank 4 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.12	0.52
		CO	0.10	0.43
		VOC	0.01	0.03
		SO_2	0.02	0.08
HEAT-TNK5	Asphalt Tank 5 Heater (5)	PM/PM_{10}	0.01	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		NO_x	0.12	0.52
		CO	0.10	0.43
		VOC	0.01	0.03
		SO_2	0.02	0.08
HEAT-TNK6	Asphalt Tank 6 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.12	0.52
		CO	0.10	0.43
		VOC	0.01	0.03
		SO_2	0.02	0.08
HEAT-TNK7	Asphalt Tank 7 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.12	0.52
		CO	0.10	0.43
		VOC	0.01	0.03
		SO_2	0.02	0.08
HEAT-TNK8	Asphalt Tank 8 Heater (5)	PM/PM_{10}	0.01	0.04
		NO_x	0.12	0.52
		CO	0.10	0.43
		VOC	0.01	0.03
		SO_2	0.02	0.08
TACK-TNK	Tackifier Resin Tank (6)	--	--	--
OIL-AD-TNK	Oil Additive Tank (6)	VOC	<0.01	<0.01
DIESEL-TNK	Diesel Tank (6)	VOC	<0.01	<0.01
PROPANE-TNK	Propane Tank (7)	VOC	<0.01	<0.01
WATER-TNK	Chiller Water Tank (6)	--	--	--
All sources (site-wide)	Various	Single HAP	--	<10
		Aggregate HAP	--	<25

(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 an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(4) Fugitive emissions are an estimate only.
(5) All listed heaters are currently authorized under Permit by Rule (PBR) § 106.183, approved on September 4, 2000.
(6) All listed tanks are currently authorized under PBR § 106.472, approved on September 4, 2000.
(7) The propane tank is currently authorized under PBR § 106.475, approved on September 4, 2000.
(8) The Scenario 3 emissions represent the worst-case scenario of emissions from both the coater and the saturator operating simultaneously to produce specialty coated (film, fabric, or mineral-surfaced) roll roofing products. Scenario 2 emissions represent when only the saturator is operating. Scenario 1 emissions represent when only the coater is operating.
(9) The PM/PM_{10} emissions from the mist eliminator system stack include emissions from both the coating/saturation line operations and emissions from the asphalt storage tanks.
(10) The PM/PM_{10} emissions from the mist eliminator system stack include emissions from both the saturation line operations and emissions from the asphalt storage tanks.
(11) Emissions represent worst-case scenario of emissions that shall be expected regardless of which scenario is utilized.

Dated: September 2, 2010