EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7103

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
A	15,000 cfm Dust Collector Stack (cutoff and power pac)	PM/PM_{10}	1.30	5.70
B	8,000 cfm Sintamatic Dust Collector Stack (cutoff)	PM/PM_{10}	0.86	3.77
C	5,000 cfm Torit Dust Collector Stack (metal control)	PM/PM_{10}	0.43	1.88
AJ	8,000 cfm Sintamatic Dust Collector Stack (cutoff)	PM/PM_{10}	0.86	3.77
AAE	3,280 cfm Torit Dust Collector Stack in series with HEPA filter (knockout and case blast)	PM/PM_{10}	0.01	0.04
AAD	1,000 cfm Torit Dust Collector Stack in series with HEPA filter (grit reclaim)	PM/PM_{10}	<0.01	0.01
K	Flash Fire Dewax Furnace and Afterburner	NO_x	1.42	5.76
		CO	0.70	2.68
		VOC	0.05	0.18
		SO_2	0.01	0.01
		PM/PM_{10}	0.14	0.53

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
L1	Dewax Furnace and Afterburner	NO_x	0.90	4.06
		CO	0.46	1.98
		VOC	0.04	0.14
		SO_2	<0.01	<0.01
		PM/PM_{10}	0.08	0.38
L2	Dewax Furnace and Afterburner	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		SO_2	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
U	Casters No. 1	PM/PM_{10}	<0.01	<0.01
V	Casters No. 2	PM/PM_{10}	<0.01	<0.01
W	Casters No. 3	PM/PM_{10}	<0.01	<0.01
AT	Casters No. 4	PM/PM_{10}	<0.01	<0.01
AV	Casters No. 5	PM/PM_{10}	<0.01	<0.01
AM1	BC3 Dewax Furnace and Afterburner	NO_x	1.36	5.58
		CO	0.60	3.54
		VOC	0.04	0.18
		SO_2	<0.01	<0.01
		PM/PM_{10}	0.12	0.52
AM2	BC3 Dewax Furnace and Afterburner	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		SO_2	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
AU	Can Slammer No. 1	PM/PM_{10}	5.62	2.76
AW	BC3 Can Slammer No. 2	PM/PM_{10}	5.62	2.76
FUG1	Can Slammer Fugitives (4)	PM/PM_{10}	1.25	0.61
FUG2	Shell and Penetrant Inspection (4)	Inorganic	0.13	0.01
		VOC	0.38	0.84
H	Shell Softening No. 1	Inorganics	0.95	2.08
I	Shell Softening No. 2	Inorganics	0.95	2.08
J	Shell Softening No. 3	Inorganics	0.95	2.08
AG	Shell Softening No. 4	Inorganics	0.95	2.08
M	Dehumidification No. 1	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		SO_2 <0.01	<0.01	
		NO_x 0.02	0.10	
		CO 0.02	0.09	
O	Dehumidification No. 3	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		SO_2 <0.01	<0.01	
		NO_x 0.02	0.10	
		CO 0.02	0.09	
P	Preheat Molds No. 1	VOC	<0.01	0.03

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		PM/PM_{10}	0.01	0.05
		SO_2 <0.01	<0.01	
		NO_x 0.14	0.60	
		CO 0.12	0.51	
Q	Preheat Molds No. 2	VOC	<0.01	0.03
		PM/PM_{10}	0.01	0.05
		SO_2 <0.01	<0.01	
		NO_x 0.14	0.60	
		CO 0.12	0.51	
R	Preheat Molds No. 3	VOC	<0.01	0.03
		PM/PM_{10}	0.01	0.05
		SO_2 <0.01	<0.01	
		NO_x 0.14	0.60	
		CO 0.12	0.51	
S	Preheat Molds No. 4	VOC	<0.01	0.03
		PM/PM_{10}	0.01	0.05
		SO_2 <0.01	<0.01	
		NO_x 0.14	0.60	
		CO 0.12	0.51	
T	Preheat Molds No. 5	VOC	<0.01	0.03
		PM/PM_{10}	0.01	0.05
		SO_2 <0.01	<0.01	
		NO_x 0.14	0.60	
		CO 0.12	0.51	
Y	Dehumidification No. 4 and Dehumidification No. 6	VOC	<0.01	0.04
		PM/PM_{10}	0.10	0.07

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
		SO_2	<0.01	<0.01	
		NO_x	0.19	0.88	
		CO	0.16	0.69	
Z	Dehumidification No. 5	VOC	<0.01	0.03
		PM/PM_{10}	0.10	0.05
		SO_2	<0.01	<0.01	
		NO_x	0.14	0.60	
		CO	0.12	0.51	
AC	Dewax	VOC	0.01	0.05
		PM/PM_{10}	0.02	0.07
		SO_2	<0.01	<0.01	
		NO_x	0.21	0.90	
		CO	0.17	0.76	
AO	BC3 Dehumidification No. 7	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		SO_2	<0.01	<0.01	
		NO_x	0.02	0.10	
		CO	0.02	0.09	
AP	BC3 Dehumidification No. 8	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	0.01
		SO_2	<0.01	<0.01	
		NO_x	0.04	0.18	
		CO	0.03	0.15	
AR	Preheat Molds No. 8	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		SO_2	<0.01	<0.01	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		NO_x 0.04	0.17	
		CO 0.03	0.15	
AS	Dehumidification No. 11	VOC	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		SO_2 <0.01	<0.01	
		NO_x 0.02	0.10	
		CO 0.02	0.09	
AB	Backup Generator No. 1	VOC	0.09	0.41
		PM/PM_{10}	0.08	0.36
		SO_2 0.08	0.34	
		NO_x 1.16	5.09	
		CO 0.25	1.10	
AAB	Backup Generator No. 2	VOC	0.05	0.23
		PM/PM_{10}	0.05	0.23
		SO_2 0.611	2.68	
		NO_x 1.81	7.94	
		CO 0.42	1.82	

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(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) 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.
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
Inorganics - combination of citric acid, nitric acid, and hydrogen chloride.
(4) Fugitive emissions are an estimate only.

* 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

Dated May 2, 2005