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	PM_{10}	1.30	5.70
B	8,000 cfm Sintamatic Dust Collector	PM_{10}	0.86	3.77
C	5,000 cfm Torit Dust Collector	PM_{10}	0.43	1.88
AJ	8,000 cfm Sintamatic Dust Collector	PM_{10}	0.86	3.77
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_{10}	0.14	0.53
L1	Dewax Furnace and Afterburner	NO_x	0.45	2.03
		CO	0.23	0.99
		VOC	0.02	0.07
		SO_2	<0.01	<0.01
		PM_{10}	0.04	0.19
L2	Dewax Furnace and Afterburner	NO_x	0.45	2.03
		CO	0.23	0.99
		VOC	0.02	0.07
		SO_2	<0.01	<0.01
		PM_{10}	0.04	0.19

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
U	Casters No. 1	NO_x	<0.01	<0.01
		CO <0.01	<0.01	
		VOC <0.01	<0.01	
		SO_2 <0.01	<0.01	
		PM_{10} <0.01	<0.01	
V	Casters No. 2	NO_x	<0.01	<0.01
		CO <0.01	<0.01	
		VOC <0.01	<0.01	
		SO_2 <0.01	<0.01	
		PM_{10} <0.01	<0.01	
W	Casters No. 3	NO_x	<0.01	<0.01
		CO <0.01	<0.01	
		VOC <0.01	<0.01	
		SO_2 <0.01	<0.01	
		PM_{10} <0.01	<0.01	
AT	Casters No. 4	NO_x	<0.01	<0.01
		CO <0.01	<0.01	
		VOC <0.01	<0.01	
		SO_2 <0.01	<0.01	
		PM_{10} <0.01	<0.01	
AV	Casters No. 5	NO_x	<0.01	<0.01
		CO <0.01	<0.01	
		VOC <0.01	<0.01	
		SO_2 <0.01	<0.01	
		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
AQ	Casters No. 6	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		SO_2	<0.01	<0.01
		PM_{10}	<0.01	<0.01
AM1	Dewax Furnace and Afterburner	NO_x	0.68	2.79
		CO	0.30	1.77
		VOC	0.02	0.09
		SO_2	<0.01	<0.01
		PM_{10}	0.06	0.26
AM1	Dewax Furnace and Afterburner	NO_x	0.68	2.79
		CO	0.30	1.77
		VOC	0.02	0.09
		SO_2	<0.01	<0.01
		PM_{10}	0.06	0.26
AU	Can Slammer No. 1	PM_{10}	5.62	2.76
AW	Can Slammer No. 2	PM_{10}	5.62	2.76
FUG1	Can Slammer Fugitives (4)	PM_{10}	1.25	0.61
FUG2	Shell and Penetrant Inspection (4)	Inorganic	0.13	0.01
		VOC	0.38	0.84
AN	Acid Etching	Inorganics	0.02	0.03
H	Shell Softening No. 1	Inorganics	0.95	2.08
I	Shell Softening No. 2	Inorganics	0.95	2.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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_{10}	<0.01	
		SO_2	<0.01	
		NO_x	0.02	0.10
		CO	0.02	0.09
N	Dehumidification No. 2	VOC	<0.01	<0.01
		PM_{10}	<0.01	
		SO_2	<0.01	
		NO_x	0.02	0.10
		CO	0.02	0.09
O	Dehumidification No. 3	VOC	<0.01	<0.01
		PM_{10}	<0.01	
		SO_2	<0.01	
		NO_x	0.02	0.10
		CO	0.02	0.09
P	Preheat Molds No. 1	VOC	<0.01	0.03
		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_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.14	0.60
		CO	0.12	0.05

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

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		PM_{10}	<0.01	0.02	
		SO_2	<0.01	<0.01	
		NO_x	0.05	0.22	
		CO	0.04	0.18	
AC	Dewax	VOC	0.01	0.05
		PM_{10}	0.02	0.07	
		SO_2	<0.01	<0.01	
		NO_x	0.21	0.90	
		CO	0.17	0.76	
AL	Preheat Molds No. 6	VOC	0.03	0.12
		PM_{10}	0.04	0.17	
		SO_2	<0.01	0.01	
		NO_x	0.51	2.24	
		CO	0.43	1.88	
AO	Dehumidification No. 7	VOC	<0.01	<0.01
		PM_{10}	<0.01	<0.01	
		SO_2	<0.01	<0.01	
		NO_x	0.02	0.10	
		CO	0.02	0.09	
AP	Dehumidification No. 8	VOC	<0.01	<0.01
		PM_{10}	<0.01	0.01	
		SO_2	<0.01	<0.01	
		NO_x	0.04	0.18	
		CO	0.03	0.15	
AL	Preheat Molds No. 7	VOC	<0.01	<0.01
		PM_{10}	0.04	0.17	

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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	0.51	2.24	
		CO	0.43	1.88	
AO	Dehumidification No. 9		VOC	<0.01	<0.01
		PM_{10}	<0.01	0.01	
		SO_2	<0.01	<0.01	
		NO_x	0.02	0.10	
		CO	0.02	0.09	
AP	Dehumidification No. 10		VOC	<0.01	<0.01
		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_{10}	<0.01	<0.01	
		SO_2	<0.01	0.01	
		NO_x	0.04	0.17	
		CO	0.03	0.15	
AS	Dehumidification No. 11		VOC	<0.01	<0.01
		PM_{10}	<0.01	0.01	
		SO_2	<0.01	<0.01	
		NO_x	0.02	0.10	
		CO	0.02	0.09	
AY	Backup Generator No. 1		VOC	0.09	0.41
		PM_{10}	0.08	0.36	
		SO_2	0.08	0.34	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		NO_x 1.16	5.09	
		CO 0.25	1.10	
AZ	Backup Generator No. 2	VOC	0.05	0.23
		PM_{10} 0.05	0.23	
		SO_2 0.611	2.68	
		NO_x 1.81	7.94	
		CO 0.42	1.82	

(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_{10} - particulate matter (PM) equal 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.

* 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_____