

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	3,200 cfm Torit Dust Collector Stack (knockout and case blast)	PM/PM ₁₀	0.01	0.04
AAD	1,000 cfm Torit Dust Collector Stack (grit reclaim)	PM/PM ₁₀	<0.01	0.01
K	Flash Fire Dewax Furnace and Afterburner	NO _x	0.96	4.18
		CO	0.47	2.08
		VOC	0.03	0.14
		SO ₂	<0.01	0.01
		PM/PM ₁₀	0.12	0.53
L1	Dewax Furnace and Afterburner	NO _x	1.43	6.27
		CO	0.71	3.12
		VOC	0.05	0.21
		SO ₂	<0.01	0.02
		PM/PM ₁₀	0.18	0.80

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			lb/hr	TPY
L2	Cooling Tunnel	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	1.23	5.40
		CO	0.54	2.38
		VOC	0.04	0.16
		SO ₂	<0.01	0.01
		PM/PM ₁₀	0.17	0.73
AM2	BC3 Cooling Tunnel	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
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

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FUG2	Shell and Penetrant Inspection (4)	Inorganic VOC	0.13 0.38	0.56 0.84
H	Shell Core Removal No. 1	Inorganics	0.95	2.08
I	Shell Core Removal No. 2	Inorganics	0.95	2.08
J	Shell Core Removal 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	
		NO _x	0.03	0.11
		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	
		NO _x	0.03	0.11
		CO	0.02	0.09
P	Preheat Molds No. 2	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.14	0.61
		CO	0.12	0.52
Q	Preheat Molds No. 3	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.14	0.61
		CO	0.12	0.52
R	Preheat Molds No. 4	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05

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			lb/hr	TPY
		SO ₂	<0.01	
		NO _x	0.14	
		CO	0.12	
S	Preheat Molds No. 5	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.14	
		CO	0.12	
T	Preheat Molds No. 7	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.14	
		CO	0.12	
Y	Dehumidification No. 4 and Dehumidification No. 6	VOC	0.01	0.06
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.19	
		CO	0.16	
Z	Dehumidification No. 5	VOC	<0.01	0.03
		PM/PM ₁₀	0.01	0.05
		SO ₂	<0.01	
		NO _x	0.14	
		CO	0.12	
AC	Autoclave Boiler	VOC	0.01	0.05
		PM/PM ₁₀	0.02	0.07
		SO ₂	<0.01	
		NO _x	0.21	
		CO	0.18	
AO	BC3 Dehumidification No. 7	VOC	<0.01	<0.01
		PM/PM ₁₀	<0.01	<0.01
		SO ₂	<0.01	

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			lb/hr	TPY
		NO _x 0.03	0.11	
		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. 6	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	
AS	Dehumidification No. 11	VOC	<0.01	<0.01
		PM/PM ₁₀	<0.01	<0.01
		SO ₂ <0.01	<0.01	
		NO _x 0.03	0.11	
		CO 0.02	0.09	
AB	Backup Generator No. 1	VOC	0.93	0.41
		PM/PM ₁₀	0.83	0.36
		SO ₂ 0.77	0.34	
		NO _x 11.63	5.09	
		CO 2.51	1.10	
AAB	Backup Generator No. 2	VOC	0.53	0.23
		PM/PM ₁₀	0.53	0.23
		SO ₂ 6.11	2.68	

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			<u>lb/hr</u>	<u>TPY</u>
		NO _x 18.12	7.94	
		CO 4.15	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 - 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.
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
Inorganics - combination of citric acid, nitric acid, and hydrogen chloride.
- (4) Fugitive emissions are an estimate only.

Dated August 29, 2007