Permit Number 3635A

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, sources, and related activities. 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 (5)	
(1)			lbs/hour	TPY (4)
EP1	Boiler 1 Stack 25.2 MMBtu/hr (Natural Gas Combustion)	РМ	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		voc	0.14	0.60
		NO _X	2.47	10.82
		SO ₂	0.01	0.06
		со	2.08	9.09
EP2	Boiler 2 Stack 25.2 MMBtu/hr (Natural Gas Combustion)	РМ	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		voc	0.14	0.60
		NO _X	2.47	10.82
		SO ₂	0.01	0.06
		со	2.08	9.09
EP3	Boiler 3 Stack 25.2 MMBtu/hr (Natural Gas Combustion)	РМ	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		voc	0.14	0.60
		NO _X	2.47	10.82
		SO ₂	0.01	0.06

ED2	Dailor C Ctarl			
EP3	Boiler 3 Stack 25.2 MMBtu/hr (Natural Gas Combustion)	со	2.08	9.09
EP4	Boiler 4 Stack	PM	0.19	0.82
	25.2 MMBtu/hr (Natural Gas	PM ₁₀	0.19	0.82
	Combustion)	PM _{2.5}	0.19	0.82
		voc	0.14	0.60
		NOx	2.47	10.82
		SO ₂	0.01	0.06
		со	2.08	9.09
EP5	Boiler 5 Stack	PM	0.21	0.93
	28.35 MMBtu/hr (Natural Gas	PM ₁₀	0.21	0.93
	Combustion)	PM _{2.5}	0.21	0.93
		voc	0.15	0.67
		NO _X	2.78	12.17
		SO ₂	0.02	0.07
		со	2.33	10.23
EP6	Boiler 6 Stack	PM	0.30	1.22
	28.35 MMBtu/hr (Natural Gas and	PM ₁₀	0.30	1.22
	Biogas Combustion)	PM _{2.5}	0.30	1.22
		voc	0.22	0.88
		NO _X	3.97	15.98
		SO ₂	6.49	21.04
		со	3.33	13.42
EP9	Boiler 9 Stack	PM	0.36	1.39
	33.6 MMBtu/hr (Natural Gas and	PM ₁₀	0.36	1.39
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		PM _{2.5}	0.36	1.39
		voc	0.26	1.00
		NO _X	4.70	18.24
		SO ₂	7.69	20.87
		со	3.95	15.32
EP7	Blood Dryer Cyclone Stack	PM (6)	1.91	4.28
	5.5 MMBtu/hr	PM ₁₀ (6)	1.91	4.28
	(Natural Gas Combustion and	PM _{2.5} (6)	0.36	0.88
	Blood Drying)	voc	0.03	0.13
		NO _X	0.54	2.36
		SO ₂	<0.01	0.01
		со	0.45	1.98
		H ₂ S (6)	0.12	0.27
		NH ₃ (6)	0.92	2.02
EP8	Bone Dryer Cyclone Stack	PM (7)	4.09	12.96
	20.0 MMBtu/hr	PM ₁₀ (7)	4.09	12.96
	(Natural Gas Combustion and Bone Drying)	PM _{2.5} (7)	0.82	2.74
		voc	0.11	0.47
		NO _X	1.96	8.59
		SO ₂	0.01	0.05
		со	1.65	7.21
	Total Annual Emissions from Natural Gas and Biogas Combustion (Boilers 1, 2, 3, 4, 5, 6, 9 and the Blood and Bone Dryers)	РМ		5.91
		PM ₁₀		5.91
		PM _{2.5}		5.91
		VOC		4.28

		NO _X		77.74
		SO ₂		21.23
		со		65.30
EP10	Flare Pilot and Lagoon Flare	PM	<0.01	0.01
	Lagoon Flare	PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		VOC	4.39	1.26
		NO _X	2.04	0.71
		SO ₂	34.26	9.82
		со	17.22	5.00
		H ₂ S	0.37	0.10
EPS1	Packed-Bed Room Air Scrubber Stack (Room Air and Cookers)	Odors		
EP11	Hammermills Fugitive Emissions	PM	0.21	0.71
	r agitive Limissions	PM ₁₀	0.21	0.71
		PM _{2.5}	0.04	0.12
EP12	Blood Pneumatic Cyclone Vent	PM	1.71	7.51
	Systolic Vent	PM ₁₀	1.71	7.51
		PM _{2.5}	0.29	1.28
EP13	Blood Meal Bin Vent Stack	PM	0.04	0.08
	Stuck	PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
EP14	Forsberg Cyclone 1 Vent	PM	1.54	6.76
	Voile	PM ₁₀	1.54	6.76
		PM _{2.5}	0.26	1.15

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Forsberg Cyclone 2	РМ	1.54	6.76
Vonc	PM ₁₀	1.54	6.76
	PM _{2.5}	0.26	1.15
MBM Bin Vents	РМ	0.07	0.21
Stack	PM ₁₀	0.02	0.05
	PM _{2.5}	<0.01	0.01
Gel Bone Bin Vent	РМ	0.02	0.06
Stack	PM ₁₀	0.01	0.02
	PM _{2.5}	<0.01	<0.01
Blood Meal Loadout Chute (Rail or Truck)	РМ	0.33	0.01
Chate (Hail of Habity	PM ₁₀	0.08	<0.01
	PM _{2.5}	0.01	<0.01
MBM Loadout Chute (Rail or Truck)	РМ	0.33	0.28
(rtail or Tradity	PM ₁₀	0.08	0.07
	PM _{2.5}	0.01	0.01
Gel Bone Loadout	РМ	0.33	0.08
	PM ₁₀	0.08	0.02
	PM _{2.5}	0.01	<0.01
	MBM Bin Vents Stack Gel Bone Bin Vent Stack Blood Meal Loadout Chute (Rail or Truck) MBM Loadout Chute (Rail or Truck)	Vent PM ₁₀ PM _{2.5} PM MBM Bin Vents Stack PM PM ₁₀ PM _{2.5} Gel Bone Bin Vent Stack PM PM ₁₀ PM _{2.5} Blood Meal Loadout Chute (Rail or Truck) PM PM ₁₀ PM _{2.5} MBM Loadout Chute (Rail or Truck) PM PM ₁₀ PM _{2.5} Gel Bone Loadout PM PM _{2.5} PM _{2.5}	Vent PM ₁₀ 1.54 PM _{2.5} 0.26 MBM Bin Vents Stack PM 0.07 PM ₁₀ 0.02 PM _{2.5} <0.01

⁽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 - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

 NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide H₂S - hydrogen sulfide

NH₃ - ammonia

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) 4.10 tpy PM/PM₁₀, 0.7 tpy PM_{2.5}, 0.27 tpy H_2S , and 2.02 tpy NH_3 are from blood drying and are not included in the combustion emission caps.
- (7) 12.31 tpy PM/PM $_{10}$ and 2.09 tpy PM $_{2.5}$ are from bone drying and are not included in the combustion emission caps.