Emission Sources - Maximum Allowable Emission Rates

Permit Number 20315

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 (6)	
			lbs/hour	TPY (4)
LOAD-1	Meal Loading Fugitives (5)	PM	1.72	0.81
		PM_{10}	0.58	0.27
		$PM_{2.5}$	0.10	0.05
LOAD-2	Hull Loadout to Truck Fugitives (5)	PM	0.86	0.47
		PM_{10}	0.29	0.16
		$PM_{2.5}$	0.05	0.03
LOAD-3	Cottonseed Loadout to Truck or Rail Fugitives (5)	PM	6.88	4.30
		PM_{10}	2.32	1.45
		$PM_{2.5}$	0.39	0.25
DUMP-1	Cottonseed Receiving Dump Fugitives (5)	PM	3.40	3.95
		PM_{10}	0.50	0.58
		$PM_{2.5}$	0.03	0.04
DUMP-2	Corn Germ Railcar Receiving Dump Fugitives (5)	PM	2.63	3.50
		PM_{10}	0.59	0.78
		$PM_{2.5}$	0.03	0.04
DUMP-3	Cottonseed Railcar Receiving Fugitives (5)	PM	5.89	9.90
		PM_{10}	1.93	3.25
		$PM_{2.5}$	0.06	0.10
DUMP-4	House 5 Unloading Station Fugitives (5)	PM	13.50	2.70
		PM_{10}	4.43	0.89
		$PM_{2.5}$	0.14	0.03

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HOUSE-1	Seed House No. 1 Fugitives (5)	PM	1.83	0.53
		PM_{10}	1.02	0.30
		$PM_{2.5}$	0.18	0.05
HOUSE-2	Seed House No. 2 Fugitives (5)	PM	1.83	0.53
		PM_{10}	1.02	0.30
		$PM_{2.5}$	0.18	0.05
HOUSE-3	Seed House No. 3 Fugitives (5)	PM	1.83	0.53
		PM_{10}	1.02	0.30
		$PM_{2.5}$	0.18	0.05
HOUSE-4	Hull House Fugitives (5)	PM	0.17	0.73
		PM_{10}	0.10	0.41
		$PM_{2.5}$	0.02	0.07
HOUSE-5	Corn Germ House Fugitives (5)	PM	1.14	1.39
		PM_{10}	0.64	0.78
		$PM_{2.5}$	0.11	0.14
HOUSE-6	Bulk Corn Germ Meal Warehouse Fugitives (5)	PM	0.16	0.70
		PM_{10}	0.09	0.39
		$PM_{2.5}$	0.02	0.07
HOUSE-7	Bulk Cottonseed Meal Warehouse Fugitives (5)	PM	0.27	1.14
		PM_{10}	0.15	0.64
		$PM_{2.5}$	0.03	0.11
NORTH-1	North Outside Storage Pile Fugitives (5)	PM	7.32	3.36
		PM_{10}	4.08	1.87
		$PM_{2.5}$	0.73	0.34
SOUTH-1	South Outside Storage Pile Fugitives (5)	PM	7.32	2.44
		PM_{10}	4.08	1.36
		$PM_{2.5}$	0.73	0.34
TANK-1	East Surge Tank Fugitives (5)	PM	0.61	0.71
		PM_{10}	0.34	0.40

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		$PM_{2.5}$	0.06	0.07
TANK-2	West Surge Tank Fugitives (5)	PM	0.61	0.71
		PM_{10}	0.34	0.40
		$PM_{2.5}$	0.06	0.07
TANK-3	White Seed Tank Fugitives (5)	PM	0.31	0.96
		PM_{10}	0.17	0.54
		$PM_{2.5}$	0.03	0.10
TANK-8	Meats Tank No. 1 Fugitives (5)	PM	0.14	0.59
		PM_{10}	0.08	0.33
		$PM_{2.5}$	0.01	0.06
TANK-9	Corn Germ Tank Fugitives (5)	PM	0.24	0.56
		PM_{10}	0.14	0.31
		$PM_{2.5}$	0.02	0.06
TANK-10	Black Seed Tank Fugitives (5)	PM	0.23	0.89
		PM_{10}	0.13	0.49
		$PM_{2.5}$	0.02	0.09
TANK-11	Meats Tank No. 2 Fugitives (5)	PM	0.04	0.09
		PM_{10}	0.02	0.05
		$PM_{2.5}$	<0.01	0.01
TANK-12	Meats Tank No. 3 Fugitives (5)	PM	0.04	0.09
		PM_{10}	0.02	0.05
		$PM_{2.5}$	<0.01	0.05
SH1A	Seed House 1 Fan A Vent	PM	0.22	0.28
		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
SH1B	Seed House 1 Fan B Vent	PM	0.22	0.28
		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
SH2A	Seed House 2 Fan A	PM	0.22	0.28

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		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
SH2B	Seed House 2 Fan B Vent	PM	0.22	0.28
		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
SH3A	Seed House 3 Fan A Vent	PM	0.22	0.28
		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
SH3B	Seed House 3 Fan B Vent	PM	0.22	0.28
		PM_{10}	0.22	0.28
		$PM_{2.5}$	0.03	0.04
NOSA	North Outside Storage Fan A Vent	PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.01	0.01
NOSB	North Outside Storage Fan B Vent	PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.01	0.01
NOSC	North Outside Storage Fan C Vent	PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.01	0.01
NOSD	North Outside Storage Fan D Vent	PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.01	0.01
NOSE	North Outside Storage Cooling Fan E Vent	PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.01	0.01
SPC1	South Outside Storage Pile Cooling 1 Fugitives (5)	PM	1.03	1.29
		PM_{10}	1.03	1.29
		$PM_{2.5}$	0.15	0.19

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SPC2	South Outside Storage Pile Cooling 2 Fugitives (5)	PM	1.03	1.29
		PM_{10}	1.03	1.29
		$PM_{2.5}$	0.15	0.19
SPC3	South Outside Storage Pile Cooling 3 Fugitives (5)	PM	1.03	1.29
		PM_{10}	1.03	1.29
		$PM_{2.5}$	0.15	0.19
H5CF	House 5 Cooling Fan Vent	PM	0.34	0.43
		PM_{10}	0.34	0.43
		$PM_{2.5}$	0.05	0.06
TCAF	Top Conditioner Aspiration Fan Vent	PM	0.15	0.67
		PM_{10}	0.15	0.67
		$PM_{2.5}$	0.02	0.09
CAF	Combined Aspiration Fan Vent	PM	0.59	2.59
		PM_{10}	0.59	2.59
		$PM_{2.5}$	0.08	0.43
CC1	No. 1 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC2	No. 2 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC3	No. 3 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC4	No. 4 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.26	1.09
CC5	No. 5 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC6	No. 6 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC7	No. 7 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC8	No. 8 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC9	No. 9 Seed Cleaner Cyclone Stack	PM	0.96	4.07
		PM_{10}	0.96	4.07
		$PM_{2.5}$	0.26	1.09
CC10	Cleaning Room Vac Box Cyclone Stack	PM	1.35	5.71
		PM_{10}	1.35	5.71
		$PM_{2.5}$	0.36	1.52
F1	Meal Dryer Cooler Deck Cyclone No. 1 Stack	PM	0.22	0.96
		PM_{10}	0.22	0.96
		$PM_{2.5}$	0.06	0.25
		Hexane	5.25	22.06
F2	Meal Dryer Cooler Deck Cyclone No. 2 Stack	PM	0.12	0.53
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

		Hexane	5.25	22.06
F3	Meal Dryer Cooler Deck Cyclone No. 3 Stack	PM	0.53	2.30
		PM_{10}	0.53	2.30
		$PM_{2.5}$	0.14	0.61
F4	DT to DC Vent	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	0.01
G	Main Vent	Hexane	24.76	103.99
CF1	Collected Fugitive Stack 1	Hexane	11.25	47.27
CF2	Collected Fugitive Stack 2	Hexane	11.25	47.27
LC15	2nd Cut Delinter Cyclone Line E Stack	PM	4.86	20.54
		PM_{10}	4.86	20.54
		$PM_{2.5}$	1.30	5.48
LC16	Kice Cascade Cyclones Stack	PM	1.65	6.95
		PM_{10}	1.65	6.95
		$PM_{2.5}$	0.44	1.85
TANKC	E/W Surge Tank Cyclones Stack	PM	4.11	10.86
		PM_{10}	4.11	10.86
		$PM_{2.5}$	1.10	2.90
PC9	Cake Overflow Cyclone Stack	PM	0.15	0.61
		PM_{10}	0.15	0.61
		$PM_{2.5}$	0.04	0.16
CS-1	#1 Cooker Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
CS-2	#2 Cooker Vent	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01

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BAG-1	Corn Germ Receiving Baghouse Stack	PM	0.05	0.20
		PM_{10}	0.05	0.20
		$PM_{2.5}$	0.01	0.03
BAG-2	Meal Loadout Baghouse Stack	PM	0.90	3.94
		PM_{10}	0.90	3.94
		$PM_{2.5}$	0.12	0.53
BAG-4	Hull Loadout Baghouse Stack	PM	0.29	1.22
		PM_{10}	0.29	1.22
		$PM_{2.5}$	0.04	0.16
BAG-5	Clay Tank Bagfilter Stack	PM	0.02	<0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	<0.01	<0.01
HB1	Huller Room Fabric Filter Stack	PM	0.77	3.25
		PM_{10}	0.77	3.25
		$PM_{2.5}$	0.10	0.43
HB2	Huller Room Drum Filter Stack	PM	3.85	16.23
		PM_{10}	3.85	16.23
		$PM_{2.5}$	0.52	2.16
LB1	Fabric Filter for 3rd Cut Beaters Stack	PM	1.11	4.69
		PM_{10}	1.11	4.69
		$PM_{2.5}$	0.15	0.62
LB2	Drum Filter for 3rd Cut Beaters Stack	PM	3.00	12.62
		PM_{10}	3.00	12.62
		$PM_{2.5}$	0.40	1.68
LB3	Fabric Filter for 2nd Cut Delinters Stack	PM	1.93	8.12
		PM_{10}	1.93	8.12

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		$PM_{2.5}$	0.26	1.08
BPB1	Bale Press Drum Filter Stack	PM	1.07	4.69
		PM_{10}	1.07	4.69
		$PM_{2.5}$	0.14	0.63
PB3	Cake Transfer System Baghouse Stack	PM	0.39	1.66
		PM_{10}	0.39	1.66
		$PM_{2.5}$	0.05	0.22
PB4	Grinding Aspiration No. 1 Baghouse Stack	PM	0.46	2.01
		PM_{10}	0.46	2.01
		$PM_{2.5}$	0.06	0.27
PB5	Grinding Aspiration No. 2 Baghouse Stack	PM	0.46	2.01
		PM_{10}	0.46	2.01
		$PM_{2.5}$	0.06	0.27
PB6	Dust Control Grinding Baghouse Stack	PM	0.25	1.08
		PM_{10}	0.25	1.08
		$PM_{2.5}$	0.03	0.14
PB7	Rail Loadout Dust Collection Stack	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	<0.01
PB8	Grinding Aspiration No. 3 Baghouse Stack	PM	0.46	2.01
		PM_{10}	0.46	2.01
		$PM_{2.5}$	0.06	0.27
TWR-1	Cooling Tower 1 Vent	PM	0.16	0.70
		PM_{10}	0.16	0.70
		$PM_{2.5}$	0.16	0.70
BOIL1	No. 1 Boiler Stack	PM	0.56	1.38
		PM_{10}	0.56	1.38
		$PM_{2.5}$	0.56	1.38
		SO_2	13.24	4.85

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		NO_x	6.74	17.93
		CO	3.24	14.19
		VOC	0.21	0.93

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
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
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 20, 2015