Emission Sources - Maximum Allowable Emission Rates

Permit Number 56114

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)
HOUSE-1	Seed House No. 1 (5)	PM	1.91	0.27
		PM_{10}	1.06	0.15
		$PM_{2.5}$	0.18	0.03
HOUSE-2	Seed House No. 2 (5)	PM	0.15	0.48
		PM_{10}	0.09	0.27
		$PM_{2.5}$	0.01	0.05
HOUSE-3	Seed House No. 3 (5)	PM	2.69	0.24
		PM_{10}	1.06	0.13
		$PM_{2.5}$	0.18	0.02
HOUSE-4	Seed House No. 4 (5)	PM	2.69	0.38
		PM_{10}	1.06	0.21
		$PM_{2.5}$	0.18	0.04
HOUSE-5	Hull House (5)	PM	0.08	0.35
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.03
FAN-1A	Seed House 1 Cooling Fan A Vent	PM	0.34	1.50
		PM_{10}	0.34	1.50
		$PM_{2.5}$	0.05	0.20
FAN-1B	Seed House 1 Cooling Fan B Vent	PM	0.34	1.50
		PM_{10}	0.34	1.50
		$PM_{2.5}$	0.05	0.20

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FAN-2A	Seed House 2 Cooling Fan A Vent	PM	0.21	0.90
		PM_{10}	0.21	0.90
		$PM_{2.5}$	0.03	0.12
FAN-2B	Seed House 2 Cooling Fan B Vent	PM	0.21	0.90
		PM_{10}	0.21	0.90
		$PM_{2.5}$	0.03	0.12
FAN-2C	Seed House 2 Cooling Fan C Vent	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.10
FAN-3A	Seed House 3 Cooling Fan A Vent	PM	0.24	1.05
		PM_{10}	0.24	1.05
		$PM_{2.5}$	0.03	0.14
FAN-3B	Seed House 3 Cooling Fan B Vent	PM	0.24	1.05
		PM_{10}	0.24	1.05
		$PM_{2.5}$	0.03	0.14
FAN-4A	Seed House 4 Cooling Fan A Vent	PM	0.82	3.60
		PM_{10}	0.82	3.60
		$PM_{2.5}$	0.11	0.48
FAN-4B	Seed House 4 Cooling Fan B Vent	PM	0.82	3.60
		PM_{10}	0.82	3.60
		$PM_{2.5}$	0.11	0.48
FAN-HC	Hull House Cooling Fan Vent	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.02	0.10
TANK-1	White Seed Tank No. 1 (5)	PM	0.46	0.46
		PM_{10}	0.26	0.26
		$PM_{2.5}$	0.04	0.04
TANK-2	White Seed Tank No. 2 (5)	PM	0.46	0.46
		PM_{10}	0.26	0.26

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		$PM_{2.5}$	0.04	0.04
	Total Annual White Seed Tank Operations (5)	PM	--	0.46
		PM_{10}	--	0.26
		$PM_{2.5}$	--	0.04
TANK-3	Meal Tank No. 1 (5)	PM	0.05	0.21
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.01	0.02
TANK-4	Meal Tank No. 2 (5)	PM	0.05	0.21
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.01	0.02
TANK-5	Meal Tank No. 3 (5)	PM	0.05	0.21
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.01	0.02
	Total Annual Meal Tank Operations (5)	PM	--	0.21
		PM_{10}	--	0.12
		$PM_{2.5}$	--	0.02
TANK-6	Black Seed Tank (5)	PM	0.09	0.30
		PM_{10}	0.05	0.17
		$PM_{2.5}$	0.01	0.03
CYCN-3A	Seed Cleaner Cyclone No. 1 Stack	PM	1.54	6.57
		PM_{10}	1.54	6.57
		$PM_{2.5}$	0.41	1.75
CYCN-4A	Seed Cleaner Cyclone No. 2 Stack	PM	1.54	6.57
		PM_{10}	1.54	6.57
		$PM_{2.5}$	0.41	1.75
CYCN-15	Seed Cleaner Cyclone No. 3 Stack	PM	1.54	6.57
		PM_{10}	1.54	6.57
		$PM_{2.5}$	0.41	1.75
CYCN-16	Seed Cleaner	PM	1.54	6.57

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		PM_{10}	1.54	6.57
		$PM_{2.5}$	0.41	1.75
CYCN-34	Meats Conveyor Aspirator Cyclone Stack	PM	0.86	3.68
		PM_{10}	0.86	3.68
		$PM_{2.5}$	0.23	0.98
CYCN-36	Flake Roll Aspiration Cyclone Stack	PM	2.06	8.76
		PM_{10}	2.06	8.76
		$PM_{2.5}$	0.55	2.34
STKN-35	Pellet Cooler Stack	PM	2.23	9.48
		PM_{10}	2.23	9.48
		$PM_{2.5}$	0.59	2.53
STKN-36	Cooker Stack	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	0.01
DT/DC	Desolventizer/ Toaster and Dryer Cooler Cyclone Stack	PM	3.46	14.75
		PM_{10}	3.46	14.75
		$PM_{2.5}$	0.92	3.93
		Hexane (HAP)	3.27	13.92
LOAD-1	Hull Loadout (5)	PM	10.75	1.95
		PM_{10}	3.63	0.66
		$PM_{2.5}$	0.61	0.11
LOAD-2	Meal Loadout (5)	PM	0.43	0.30
		PM_{10}	0.15	0.10
		$PM_{2.5}$	0.02	0.02
LOAD-5	Rail Meal Loadout (5)	PM	0.14	0.30
		PM_{10}	0.01	0.10
		$PM_{2.5}$	<0.01	0.02

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	Total Annual Meal Loadout Operations (5)	PM	--	0.30
		PM_{10}	--	0.10
		$PM_{2.5}$	--	0.02
LOAD-3	White Seed, Cottonseed Meal, and Hull Loadout 3 (5)	PM	0.43	2.86
		PM_{10}	0.15	0.97
		$PM_{2.5}$	0.02	0.16
LOAD-4	White Seed, Cottonseed Meal, and Hull Loadout 4 (5)	PM	0.43	2.86
		PM_{10}	0.15	0.97
		$PM_{2.5}$	0.02	0.16
	Total Annual White Seed, Cottonseed Meal, and Hull Loadout Operations (5)	PM	--	2.86
		PM_{10}	--	0.96
		$PM_{2.5}$	--	0.16
DUMP-1	Cottonseed Unloading Dump (5)	PM	22.50	18.00
		PM_{10}	7.38	5.90
		$PM_{2.5}$	1.25	1.00
BAG-2	Meal Loadout Fabric Filter Stack	PM	1.73	3.77
		PM_{10}	1.73	3.77
		$PM_{2.5}$	0.23	0.50
BAG-5	Delinting Room Fabric Filter Stack	PM	3.43	14.61
		PM_{10}	3.43	14.61
		$PM_{2.5}$	0.46	1.95
BAG-6	Huller Room Fabric Filter Stack	PM	2.06	8.76
		PM_{10}	2.06	8.76
		$PM_{2.5}$	0.27	1.17
AC-TK	Clay Tank Baghouse Stack	PM	0.06	<0.01
		PM_{10}	0.06	<0.01
		$PM_{2.5}$	0.01	<0.01
BOILER 1A	Boiler No. 1 Vent	PM	0.13	0.57
		PM_{10}	0.13	0.57

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		$PM_{2.5}$	0.13	0.57
		NO_x	1.71	7.49
		CO	0.17	0.75
		SO_2	0.01	0.04
		VOC	0.09	0.41
TOWER-1	Cooling Tower 1 Stack	PM	0.02	0.09
		PM_{10}	0.09	0.09
		$PM_{2.5}$	0.02	0.09
FUGSTK-1	Hexane Fugitive Stack	Hexane (HAP)	14.70	62.62

(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
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(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: May 23, 2016