Emission Sources - Maximum Allowable Emission Rates

Permit Number 38105

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	
			lbs/hour	TPY (4)
SP-80	Cleaning Oven PK-30182	PM	0.013	0.014
		PM_{10}	0.013	0.014
		$PM_{2.5}$	0.013	0.014
		NO_x	0.027	0.028
		VOC	0.017	0.018
		SO_2	0.002	0.002
		CO	0.050	0.052
F-SP-1	Fugitives (5)	HCHO	0.004	0.017
SP-3	Baghouse MS-640	PM	0.001	0.003
		PM_{10}	0.001	0.003
		$PM_{2.5}$	0.001	0.003
SP-10	Pellet Storage Tank V-1625	PM	0.007	0.014
		PM_{10}	0.007	0.014
		$PM_{2.5}$	0.007	0.014
		HCHO	0.001	0.001
		MeOH	0.014	0.028

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SP-11	Pellet Storage Tank V-1636	PM	0.006	0.013
		PM_{10}	0.006	0.013
		$PM_{2.5}$	0.006	0.013
		HCHO	0.002	0.003
		MeOH	0.088	0.185
SP-12	Pellet Storage Tank V-1639	PM	0.003	0.008
		PM_{10}	0.003	0.008
		$PM_{2.5}$	0.003	0.008
		HCHO	0.001	0.003
		MeOH	0.065	0.175
SP-13	Vacuum Jet Vent MJ-130	HCHO	0.150	0.627
		MeOH	0.012	0.048
SP-16	Gravity Blender MX-644	PM	0.094	0.008
		PM_{10}	0.094	0.008
		$PM_{2.5}$	0.094	0.008
		HCHO	0.005	0.001
		MeOH	0.298	0.023
SP-17	Gravity Blender MX-645	PM	0.094	0.008
		PM_{10}	0.094	0.008
		$PM_{2.5}$	0.094	0.008
		HCHO	0.005	0.001
		MeOH	0.298	0.023
SP-18	Pellet Storage Tank V-1872(A-F)	PM	0.006	0.013
		PM_{10}	0.006	0.013
		$PM_{2.5}$	0.006	0.013

Emission Sources - Maximum Allowable Emission Rates

		HCHO	0.002	0.003
		MeOH	0.088	0.185
SP-19	Pellet Storage Tank V-1853	PM	0.004	0.010
		PM_{10}	0.004	0.010
		$PM_{2.5}$	0.004	0.010
		HCHO	0.002	0.004
		MeOH	0.092	0.221
SP-20	C-30333/C-30334	HCHO	0.007	0.030
		MeOH	0.001	0.001
SP-22A	Flake Tank V-1871(A-F)	PM	0.170	0.419
		PM_{10}	0.170	0.419
		$PM_{2.5}$	0.170	0.419
		HCHO	0.053	0.128
		MeOH	0.015	0.036
SP-22B	Flake Tank V-1871(A-F)	PM	0.170	0.419
		PM_{10}	0.170	0.419
		$PM_{2.5}$	0.170	0.419
		HCHO	0.053	0.128
		MeOH	0.015	0.036
SP-23	Flake Tank V-1629	PM	0.025	0.204
		PM_{10}	0.025	0.204
		$PM_{2.5}$	0.025	0.204
		HCHO	0.011	0.087
		MeOH	0.004	0.024
SP-26	P-30462	HCHO	0.007	0.030

Emission Sources - Maximum Allowable Emission Rates

		MeOH	0.001	0.001
SP-30	Flake Tank V-1874(A-F)	PM	0.420	0.927
		PM_{10}	0.420	0.927
		$PM_{2.5}$	0.420	0.927
		HCHO	0.06	0.129
		MeOH	0.017	0.036
SP-31	Flake Feed Hoppers V-1913, V-1915, V-1917, and V-1919	PM	0.504	1.159
		PM_{10}	0.504	1.159
		$PM_{2.5}$	0.504	1.159
		HCHO	0.005	0.009
		MeOH	0.002	0.003
SP-35	P-30602	HCHO	0.007	0.030
		MeOH	0.001	0.001
SP-36	Baghouse MS-31442	PM	0.003	0.011
		PM_{10}	0.003	0.011
		$PM_{2.5}$	0.003	0.011
SP-37	Baghouse MS-31452	PM	0.009	0.036
		PM_{10}	0.009	0.036
		$PM_{2.5}$	0.009	0.036
SP-38	C-30366	HCHO	0.007	0.026
		MeOH	0.001	0.001
SP-39	Rerun Pellet Feeder Tank V-30571	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.001	0.001

Emission Sources - Maximum Allowable Emission Rates

		MeOH	0.030	0.004
SP-40	Rerun Pellet Feeder Tank V-1633	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.002	0.001
		MeOH	0.088	0.009
SP-41	Dust Collection System MS-641	PM	0.001	0.002
		PM_{10}	0.001	0.002
		$PM_{2.5}$	0.001	0.002
SP-42	Feeder Dust Collector MS-31702	PM	0.028	0.064
		PM_{10}	0.028	0.064
		$PM_{2.5}$	0.020	0.064
SP-43	Pellet Cyclone MS-31569	PM	0.002	0.004
		PM_{10}	0.002	0.004
		$PM_{2.5}$	0.002	0.004
SP-44	Pellet Cyclone MS-31331	PM	0.002	0.004
		PM_{10}	0.002	0.004
		$PM_{2.5}$	0.002	0.004
SP-45	RR Loading Cyclone MS-30954	PM	0.040	0.002
		PM_{10}	0.040	0.002
		$PM_{2.5}$	0.040	0.002
SP-46	RR Loading Cyclone MS-30776	PM	0.047	0.002
		PM_{10}	0.047	0.002
		$PM_{2.5}$	0.047	0.002
SP-48	Pellet Feed Tank V-1873(A-F)	PM	0.030	0.004

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.030	0.004
		$PM_{2.5}$	0.030	0.004
		HCHO	0.001	0.001
		MeOH	0.001	0.001
SP-49	Pellet Feed Tank V-1918	PM	0.003	0.001
		PM_{10}	0.003	0.001
		$PM_{2.5}$	0.003	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.005
SP-50	Pellet Feed Tank V-30219	PM	0.002	0.001
		PM_{10}	0.002	0.001
		$PM_{2.5}$	0.002	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.004
SP-51	Pellet Feed Tank V-1920	PM	0.002	0.001
		PM_{10}	0.002	0.001
		$PM_{2.5}$	0.002	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.003
SP-52	Pellet Feed Tank V-30518	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.001	0.001
		MeOH	0.025	0.001
SP-53	Pellet Feed Tank V-1914	PM	0.002	0.001

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.002	0.001
		$PM_{2.5}$	0.002	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.001
SP-54	Pellet Feed Tank V-30519	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.001	0.001
		MeOH	0.025	0.001
SP-55	Pellet Feed Tank V-1916	PM	0.004	0.001
		PM_{10}	0.004	0.001
		$PM_{2.5}$	0.004	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.005
SP-56	Pellet Feed Tank V-30465	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.001	0.001
		MeOH	0.025	0.001
SP-57	Flake Storage Tank V-30393	PM	0.125	0.366
		PM_{10}	0.125	0.366
		$PM_{2.5}$	0.125	0.366
		HCHO	0.002	0.003
		MeOH	0.001	0.001

Emission Sources - Maximum Allowable Emission Rates

SP-58	Flake Storage Tank V-30368	PM	0.160	0.016
		PM_{10}	0.160	0.016
		$PM_{2.5}$	0.160	0.016
		HCHO	0.002	0.001
		MeOH	0.001	0.001
SP-59	Pellet Feed Tank V-1635	PM	0.005	0.002
		PM_{10}	0.005	0.002
		$PM_{2.5}$	0.005	0.002
		HCHO	0.001	0.001
		MeOH	0.063	0.016
SP-60	Pellet Feed Tank V-30366	PM	0.005	0.001
		PM_{10}	0.005	0.001
		$PM_{2.5}$	0.005	0.001
		HCHO	0.001	0.001
		MeOH	0.030	0.001
SP-62	Pellet Receiver MS-31184	PM	0.003	0.008
		PM_{10}	0.003	0.008
		$PM_{2.5}$	0.003	0.008
SP-63	Fines Cyclone V-30388	PM	0.003	0.008
		PM_{10}	0.003	0.008
		$PM_{2.5}$	0.003	0.008
SP-65	Pellet Feed Tank V-30319	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
		HCHO	0.001	0.001

Emission Sources - Maximum Allowable Emission Rates

		MeOH	0.025	0.001
SP-66	Exhaust Blower C-30188	HCHO	0.021	0.087
		MeOH	0.002	0.005
SP-67	Dust Collection System V-30348	PM	0.001	0.002
		PM_{10}	0.001	0.002
		$PM_{2.5}$	0.001	0.002
SP-68	Scrape Grinder Cyclone MG-30026	PM	0.003	0.009
		PM_{10}	0.003	0.009
		$PM_{2.5}$	0.003	0.009
SP-69	Feeder Dust Collector MS-31704	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
SP-70	Feeder Dust Collector MS-31703	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
SP-71	Exhaust Blower C-30191	HCHO	0.117	0.510
		MeOH	0.009	0.037
SP-73	Pellet Storage Tank V-1852	PM	0.004	0.011
		PM_{10}	0.004	0.011
		$PM_{2.5}$	0.004	0.011
		HCHO	0.002	0.004
		MeOH	0.092	0.239
SP-75	Pellet Storage Tank V-30349	PM	0.005	0.015
		PM_{10}	0.005	0.015
		$PM_{2.5}$	0.005	0.015

Emission Sources - Maximum Allowable Emission Rates

		HCHO	0.002	0.005
		MeOH	0.098	0.286
SP-82	Hot Oil Heater MS-31095	CalFlo	0.041	0.001
SP-87	Pellet Blender MX-30096	PM	0.059	0.002
		PM_{10}	0.059	0.002
		$PM_{2.5}$	0.059	0.002
		HCHO	0.001	0.001
		MeOH	0.002	0.001
SP-88	Pellet Blender MX-416	PM	0.030	0.005
		PM_{10}	0.030	0.005
		$PM_{2.5}$	0.030	0.005
		HCHO	0.001	0.001
		MeOH	0.001	0.001
SP-89	Pellet Blender MX-30097	PM	0.059	0.027
		PM_{10}	0.059	0.027
		$PM_{2.5}$	0.059	0.027
		HCHO	0.001	0.001
		MeOH	0.002	0.001
SP-90	Pellet Blender MX-414	PM	0.030	0.001
		PM_{10}	0.030	0.001
		$PM_{2.5}$	0.030	0.001
		HCHO	0.001	0.001
		MeOH	0.001	0.001
SP-91	P-30762	HCHO	0.007	0.030
		MeOH	0.001	0.001

Emission Sources - Maximum Allowable Emission Rates

SP-92	MS-31875	PM	0.002	0.007
		PM_{10}	0.002	0.007
		$PM_{2.5}$	0.002	0.007
SP-93	MG-30027	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
SP-100	MS-31933	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
SP-101	V-1628	PM	0.030	0.003
		PM_{10}	0.030	0.003
		$PM_{2.5}$	0.030	0.003
		HCHO	0.003	0.001
		MeOH	0.141	0.012
SP-102	V-30485	PM	0.024	0.054
		PM_{10}	0.024	0.054
		$PM_{2.5}$	0.024	0.054
SP-103	Rerun Pellet Tank V-X7	PM	0.036	0.006
		PM_{10}	0.036	0.006
		$PM_{2.5}$	0.036	0.006
		HCHO	0.001	0.001
		MeOH	0.121	0.018
SP-105	C – Fume Removal	HCHO	0.072	0.268
		MeOH	0.006	0.020
		Product A (Non-VOC)	0.002	0.003

Emission Sources - Maximum Allowable Emission Rates

SP-106	P – Vent Port	HCHO	0.002	0.002
		MeOH	0.001	0.001
SP-107	Dryer/Cooler Cyclones MS-X3 and MS-X4	PM	0.018	0.052
		PM_{10}	0.018	0.052
		$PM_{2.5}$	0.018	0.052
		HCHO	0.010	0.010
		MeOH	0.010	0.010
		$C_3H_6O_3$	0.010	0.010
SP-108	Storage Vessel V-X15 Cyclone	PM	0.018	0.052
		PM_{10}	0.018	0.052
		$PM_{2.5}$	0.018	0.052
		HCHO	0.002	0.006
		MeOH	0.121	0.354
SP-111	MS-X1 Dust collector	PM	0.013	0.053
		PM_{10}	0.013	0.053
		$PM_{2.5}$	0.013	0.053
		HCHO	0.003	0.008
		MeOH	0.001	0.001
		$C_3H_6O_3$	0.002	0.004
SP-112	MS-X7 House Vacuum System	PM	0.001	0.003
		PM_{10}	0.001	0.003
		$PM_{2.5}$	0.001	0.003
F-SP-113	Fugitives (5)	HCHO	0.001	0.001
		MeOH	0.001	0.001
		$C_3H_6O_3$	0.001	0.001

Emission Sources - Maximum Allowable Emission Rates

SP-114	Pellet Vessel V-X5	PM	0.001	0.001
		PM_{10}	0.001	0.001
		$PM_{2.5}$	0.001	0.001
SP-115	P-30995 Vent Port	HCHO	0.002	0.002
		MeOH	0.001	0.001
SP-116	Dryer/Cooler Cyclones MS-32301 and MS-32302	PM	0.018	0.052
		PM_{10}	0.018	0.052
		$PM_{2.5}$	0.018	0.052
		HCHO	0.001	0.002
		MeOH	0.001	0.002
		$C_3H_6O_3$	0.001	0.003
SP-117	Storage Vessel V-30810 / V-30811 Cyclone	PM	0.018	0.052
		PM_{10}	0.018	0.052
		$PM_{2.5}$	0.018	0.052
		HCHO	0.002	0.006
		MeOH	0.121	0.354
SP-118	MS-32323 Dust Collector	PM	0.013	0.053
		PM_{10}	0.013	0.053
		$PM_{2.5}$	0.013	0.053
		HCHO	0.003	0.008
		MeOH	0.001	0.001
		$C_3H_6O_3$	0.002	0.004
SP-119	Rerun Pellet Tank V-30798	PM	0.036	0.006
		PM_{10}	0.036	0.006
		$PM_{2.5}$	0.036	0.006

Emission Sources - Maximum Allowable Emission Rates

		HCHO	0.002	0.001
		MeOH	0.121	0.018
SP-120	Rerun Pellet Tank V-30747	PM	0.024	0.005
		PM_{10}	0.024	0.005
		$PM_{2.5}$	0.024	0.005
		HCHO	0.002	0.001
		MeOH	0.121	0.026
SP-121	P-30971 Vent Port	HCHO	0.002	0.008
		MeOH	0.001	0.001
SP-122	Dryer/Cooler Cyclones MS-32125 and MS-32126	PM	0.012	0.032
		PM_{10}	0.012	0.032
		$PM_{2.5}$	0.012	0.032
		HCHO	0.002	0.006
		MeOH	0.001	0.004
		$C_3H_6O_3$	0.003	0.009
SP-123	Storage Vessel V-30763 /V-30764 Cyclone	PM	0.012	0.032
		PM_{10}	0.012	0.032
		$PM_{2.5}$	0.012	0.032
		HCHO	0.002	0.006
		MeOH	0.121	0.326
SP-124	MS-32409 Dust Collector	PM	0.002	0.009
		PM_{10}	0.002	0.009
		$PM_{2.5}$	0.002	0.009

Emission Sources - Maximum Allowable Emission Rates

SP-125	MS-32142 Dust Collector	PM	0.013	0.053
		PM_{10}	0.013	0.053
		$PM_{2.5}$	0.013	0.053
		HCHO	0.002	0.005
		MeOH	0.001	0.001
		$C_3H_6O_3$	0.001	0.003
		Product A (Non-VOC)	0.001	0.001
SP-126	MD-30036 Product Dryer Blower Vent	HCHO	0.008	0.032
		MeOH	0.029	0.120
		$C_3H_6O_3$	0.024	0.100
SP-127	MD-30033 Product Dryer Blower Vent	HCHO	0.008	0.002
		MeOH	0.029	0.007
		$C_3H_6O_3$	0.024	0.006
SP-128	MD-30037 Product Dryer Blower Vent	HCHO	0.008	0.032
		MeOH	0.029	0.120
		$C_3H_6O_3$	0.024	0.100
SP-129	MD-30031 Product Dryer Blower Vent	HCHO	0.008	0.002
		MeOH	0.029	0.007
		$C_3H_6O_3$	0.024	0.006
SP-130	MD-30038 Product Dryer Blower Vent	HCHO	0.005	0.017
		MeOH	0.016	0.062
		$C_3H_6O_3$	0.013	0.052
SP-131	MD-30028 Product Dryer Blower Vent	HCHO	0.005	0.002
		MeOH	0.016	0.006
		$C_3H_6O_3$	0.013	0.005

Emission Sources - Maximum Allowable Emission Rates

(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) HCHO - Formaldehyde
MeOH - Methyl alcohol
$C_3H_6O_3$ - Trioxane
Product A - Compound identified in confidential submittal dated September 2013. At emission points where it is authorized, Product A is included in totals for PM, PM10 and PM2.5.
CalFlo - Mixture of severely hydrotreated and hydrocracked base oil (petroleum)
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.

Date: June 14, 2016