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)
F-SP-1	Fugitives (5)	Formaldehyde (6)	<0.01	0.02
		VOC	<0.01	0.02
SP-3	Baghouse MS-640	PM	0.04	0.17
		PM_{10}	0.04	0.17
		$PM_{2.5}$	0.04	0.17
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	0.02
SP-10	Pellet Storage Tank V-1625	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		Formaldehyde (6)	<0.01	0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	0.03
SP-11	Pellet Storage Tank V-1636	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.21
SP-12	Pellet Storage Tank V-1639	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.04	0.19
SP-13	Vacuum Jet Vent MJ-130	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

SP-16	Gravity Blender MX-644	PM	0.05	0.03
		PM_{10}	0.05	0.03
		$PM_{2.5}$	0.05	0.03
		Formaldehyde (6)	0.03	0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.09	0.02
SP-17	Gravity Blender MX-645	PM	0.05	0.03
		PM_{10}	0.05	0.03
		$PM_{2.5}$	0.05	0.03
		Formaldehyde (6)	0.03	0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.09	0.02
SP-18	Pellet Storage Tank V-1872(A-F)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.21
SP-19	Pellet Storage Tank V-1853	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.21
SP-20	C-30333/C-30334	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	0.01
SP-22A	Flake Tank V-1871(A-F)	PM	0.07	0.04
		PM_{10}	0.07	0.04
		$PM_{2.5}$	0.07	0.04
		Formaldehyde (6)	0.01	<0.01
		Methanol (6)	0.01	0.01
		VOC	0.25	0.13

Emission Sources - Maximum Allowable Emission Rates

SP-22B	Flake Tank V-1871(A-F)	PM	0.07	0.04
		PM_{10}	0.07	0.04
		$PM_{2.5}$	0.07	0.04
		Formaldehyde (6)	0.01	<0.01
		Methanol (6)	0.01	0.01
		VOC	0.25	0.13
SP-23	Flake Tank V-1629	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.11	0.05
SP-26	P-30462	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	0.01
SP-30	Flake Tank V-1874(A-F)	PM	0.08	0.06
		PM_{10}	0.08	0.06
		$PM_{2.5}$	0.08	0.06
		Formaldehyde (6)	0.01	0.01
		Methanol (6)	0.01	0.01
		VOC	0.26	0.30
SP-31	Flake Feed Hoppers V-1913, V-1915, V-1917, and V-1919	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	0.01
SP-35	P-30602	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

SP-36	Baghouse MS-31442	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	<0.01
SP-37	Baghouse MS-31452	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		Formaldehyde (6)	0.01	<0.01
		Methanol (6)	0.01	<0.01
		VOC	0.11	0.01
SP-38	C-30366	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	0.01
SP-39	Rerun Pellet Feeder Tank V-30571	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10
SP-40	Rerun Pellet Feeder Tank V-1633	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.02	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.21
SP-42	Feeder Dust Collector MS-31702	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

SP-45	RR Loading Cyclone MS-30954	PM	0.04	<0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
		Formaldehyde (6)	0.03	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.09	<0.01
SP-46	RR Loading Cyclone MS-30776	PM	0.05	<0.01
		PM_{10}	0.05	<0.01
		$PM_{2.5}$	0.05	<0.01
		Formaldehyde (6)	0.05	<0.01
		Methanol (6)	0.01	<0.01
		VOC	0.18	<0.01
SP-48	Pellet Feed Tank V-1873(A-F)	PM	0.10	<0.01
		PM_{10}	0.10	<0.01
		$PM_{2.5}$	0.10	<0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-49	Pellet Feed Tank V-1918	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10
SP-50	Pellet Feed Tank V-30219	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10

Emission Sources - Maximum Allowable Emission Rates

SP-51	Pellet Feed Tank V-1920	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10
SP-52	Pellet Feed Tank V-30518	PM	<0.01	0.05
		PM_{10}	<0.01	0.05
		$PM_{2.5}$	<0.01	0.05
		Formaldehyde (6)	0.01	0.02
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.08
SP-53	Pellet Feed Tank V-1914	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10
SP-54	Pellet Feed Tank V-30519	PM	<0.01	0.05
		PM_{10}	<0.01	0.05
		$PM_{2.5}$	<0.01	0.05
		Formaldehyde (6)	0.01	0.02
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.08
SP-55	Pellet Feed Tank V-1916	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10

Emission Sources - Maximum Allowable Emission Rates

SP-56	Pellet Feed Tank V-30465	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.01	0.02
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.08
SP-57	Flake Storage Tank V-30393	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-58	Flake Storage Tank V-30368	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-59	Pellet Feed Tank V-1635	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.20
SP-60	Pellet Feed Tank V-30366	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10

Emission Sources - Maximum Allowable Emission Rates

SP-62	Pellet Receiver MS-31184	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.01	0.03
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.10
SP-63	Fines Cyclone V-30388	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.02	0.08
		Methanol (6)	<0.01	0.01
		VOC	0.06	0.26
SP-65	Pellet Feed Tank V-1638	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.01	0.02
		Methanol (6)	<0.01	<0.01
		VOC	0.02	0.08
SP-66	Exhaust Blower C-30188	Formaldehyde (6)	0.01	0.04
		Methanol (6)	0.01	0.03
		VOC	0.13	0.59
SP-69	Pellet Dust Collector MS-31704	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	<0.01	0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.01	0.03
SP-71	Exhaust Blower C-30191	Formaldehyde (6)	0.04	0.19
		Methanol (6)	0.04	0.19
		VOC	0.76	2.54

Emission Sources - Maximum Allowable Emission Rates

SP-73	Pellet Storage Tank V-1852	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.01	0.06
		Methanol (6)	<0.01	0.01
		VOC	0.05	0.21
SP-75	Pellet Storage Tank V-30349	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		Formaldehyde (6)	0.02	0.08
		Methanol (6)	<0.01	0.01
		VOC	0.06	0.26
SP-82	Hot Oil Heater MS-31095	CalFlo	0.04	<0.01
SP-87	Pellet Blender MX-30096	PM	0.24	<0.01
		PM_{10}	0.24	<0.01
		$PM_{2.5}$	0.24	<0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-88	Pellet Blender MX-416	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-89	Pellet Blender MX-30097	PM	0.09	0.04
		PM_{10}	0.09	0.04
		$PM_{2.5}$	0.09	0.04
		Formaldehyde (6)	0.05	0.02
		Methanol (6)	0.01	<0.01
		VOC	0.18	0.08

Emission Sources - Maximum Allowable Emission Rates

SP-90	Pellet Blender MX-414	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-91	P-30762	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	0.01
SP-92	Classifier Cyclone MS-31875	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.19	0.81
		Methanol (6)	0.02	0.08
		VOC	0.65	2.72
SP-101	Pellet Receiver V-1628	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.03	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.11	0.02
SP-102	Pellet Receiver V-30485	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-103	Rerun Pellet Tank V-30778	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.05	0.20
		Methanol (6)	0.01	0.05
		VOC	0.24	0.99

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SP-105	C-33061 / C-33062 – Fume Removal	Formaldehyde (6)	0.05	0.24
		Methanol (6)	0.05	0.24
		VOC	0.94	3.14
SP-106	P-30989 – Vent Port	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-107	Dryer/Cooler Cyclones MS-32246	PM	0.02	0.05
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
		Formaldehyde (6)	0.27	1.15
		Methanol (6)	0.07	0.28
		VOC	1.34	5.62
SP-108	Storage Vessel V-30790 / V-30791 Cyclone	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		Formaldehyde (6)	0.07	0.29
		Methanol (6)	0.02	0.07
		VOC	0.34	1.42
SP-111	MS-32268 Dust collector	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.10	0.19
F-SP-113	Fugitives (5)	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-115	P-30995 Vent Port	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-116	Dryer/Cooler Cyclones MS-32301	PM	0.02	0.05
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
		Formaldehyde (6)	0.27	1.15
		Methanol (6)	0.07	0.28
		VOC	1.34	5.62

Emission Sources - Maximum Allowable Emission Rates

SP-117	Storage Vessel V-30810 / V-30811 Cyclone	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		Formaldehyde (6)	0.07	0.29
		Methanol (6)	0.02	0.07
		VOC	0.34	1.42
SP-118	MS-32323 Dust Collector	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.10	0.19
SP-119	Rerun Pellet Tank V-30798	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		Formaldehyde (6)	0.07	0.29
		Methanol (6)	0.02	0.07
		VOC	0.34	1.42
SP-120	Rerun Pellet Tank V-30747	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		Formaldehyde (6)	0.05	<0.01
		Methanol (6)	0.01	<0.01
		VOC	0.24	0.02
SP-121	P-30971 Vent Port	Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	<0.01	<0.01
SP-122	Dryer/Cooler Cyclones MS-32125	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		Formaldehyde (6)	0.27	1.15
		Methanol (6)	0.07	0.28
		VOC	1.34	5.62
SP-123	Storage Vessel V-30763 / V-30764 Cyclone	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

		Formaldehyde (6)	0.07	0.29
		Methanol (6)	0.02	0.07
		VOC	0.34	1.42
SP-125	MS-32142 Dust Collector	PM	0.04	0.15
		PM_{10}	0.04	0.15
		$PM_{2.5}$	0.04	0.15
		Formaldehyde (6)	<0.01	<0.01
		Methanol (6)	<0.01	<0.01
		VOC	0.10	0.19
SP-126	MD-30036 Product Dryer Blower Vent	Formaldehyde (6)	0.26	0.02
		Methanol (6)	0.06	<0.01
		VOC	1.29	0.09
SP-127	MD-30033 Startup Dryer Blower Vent	Formaldehyde (6)	0.26	<0.01
		Methanol (6)	0.06	<0.01
		VOC	1.29	<0.01
SP-128	MD-30037 Product Dryer Blower Vent	Formaldehyde (6)	0.26	0.02
		Methanol (6)	0.06	<0.01
		VOC	1.29	0.09
SP-129	MD-30031 Startup Dryer Blower Vent	Formaldehyde (6)	0.26	<0.01
		Methanol (6)	0.06	<0.01
		VOC	1.29	<0.01
SP-130	MD-30038 Product Dryer Blower Vent	Formaldehyde (6)	0.14	0.01
		Methanol (6)	0.03	<0.01
		VOC	0.69	0.05
SP-131	MD-30028 Startup Dryer Blower Vent	Formaldehyde (6)	0.14	<0.01
		Methanol (6)	0.03	<0.01
		VOC	0.69	<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) CalFlo - Mixture of severely hydrotreated and hydrocracked base oil (petroleum)
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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
(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) The speciated emission rate is included in the VOC emission rate.

Emission Sources - Maximum Allowable Emission Rates

Date: September 17, 2019