

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
0-2	Cleaning Oven PK-30182	PM	0.013	0.014
		NO <sub>x</sub>	0.027	0.028
		VOC	0.017	0.018
		SO <sub>2</sub>	0.002	0.002
		CO	0.050	0.050
0-3	Cleaning Oven PK-30183	PM	0.013	0.014
		NO <sub>x</sub>	0.027	0.028
		VOC	0.017	0.018
		SO <sub>2</sub>	0.002	0.002
		CO	0.050	0.050
F-SP-1	Fugitives (4)	formaldehyde	0.004	0.016
SP-3	Baghouse MS-640	PM	0.001	0.003
SP-10	Pellet Storage Tank V-1625	PM	0.012	0.050
		formaldehyde	0.062	0.262
		methanol	0.003	0.014
SP-11	Pellet Storage Tank V-1636	PM	0.006	0.025
		formaldehyde	0.062	0.262
		methanol	0.003	0.013
SP-12	Pellet Storage Tank V-1639	PM	0.003	0.012
		formaldehyde	0.062	0.261
		methanol	0.003	0.013

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SP-13	Extruder MS-30945 Vacuum Jet Vent	formaldehyde	0.156	0.657
		methanol	0.012	0.050
SP-16	Gravity Blender MX-644	PM	0.008	0.033
		formaldehyde	0.069	0.289
		methanol	0.004	0.015
SP-17	Gravity Blender MX-645	PM	0.008	0.033
		formaldehyde	0.069	0.289
		methanol	0.004	0.015
SP-18	Pellet Storage Tank V-1872(A-F)	PM	0.008	0.035
		formaldehyde	0.042	0.175
		methanol	0.002	0.009
SP-19	Pellet Storage Tank V-1853	PM	0.006	0.024
		formaldehyde	0.069	0.289
		methanol	0.003	0.014
SP-20	Extruder Vacuum KO Pot	formaldehyde	0.051	0.214
		methanol	0.002	0.007
SP-22A	Flake Tank V-1871(A-F)	PM	0.150	0.252
		formaldehyde	0.100	0.420
		methanol	0.070	0.320
SP-22B	Flake Tank V-1871(A-F)	PM	0.150	0.252
		formaldehyde	0.100	0.420
		methanol	0.070	0.320
SP-23	Flake Tank V-1629	PM	0.150	0.252
		formaldehyde	0.055	0.232
		methanol	0.003	0.012
SP-26	Extruder MS-31095	formaldehyde	0.007	0.028

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	Liquid Ring Vacuum Vent	methanol	0.002	0.007

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SP-30	Flake Tank V-1874(A-F)	PM	0.150	0.252
		formaldehyde	0.031	0.130
		methanol	0.025	0.104
SP-31	Flake Feed Hoppers V-1913, PM V-1915, V-1917, & V-30563 0.086	formaldehyde	0.601	0.757
				0.021
		methanol	0.001	0.004
SP-35	Extruder MS-31349 Vent	formaldehyde	0.007	0.028
		methanol	0.002	0.007
SP-36	Baghouse MS-31442	PM	0.003	0.013
SP-37	Baghouse MS-31452	PM	0.010	0.041
SP-38	Extruder MS-31692 Vent	formaldehyde	0.013	0.056
		methanol	0.003	0.013
SP-39	Rerun Pellet Feeder Tank V-30571	PM	0.004	0.019
		formaldehyde	0.033	0.139
		methanol	0.002	0.007
SP-40	Rerun Pellet Feeder Tank V-1633	PM	0.003	0.010
		formaldehyde	0.042	0.175
		methanol	0.002	0.009
SP-41	Dust Collection System MS-641 0.003		PM	0.001
SP-42	Feeder Dust Collector MS-31702 0.042		PM	0.009
SP-43	Pellet Cyclone MS-31569	PM	0.002	0.006

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SP-44	Pellet Cyclone MS-31331	PM	0.155	0.652
SP-45	RR Loading Cyclone MS-30954 0.002	PM		0.041
SP-46	RR Loading Cyclone MS-30776 0.002	PM		0.041
SP-48	Pellet Feed Tank V-1873(A-F) 0.050	PM		0.012
		formaldehyde	0.179	0.342
		methanol	0.009	0.017
SP-49	Pellet Feed Tank V-1918	PM	<0.001	0.001
		formaldehyde	0.021	0.087
		methanol	0.001	0.004
SP-50	Pellet Feed Tank V-30219	PM	<0.001	0.001
		formaldehyde	0.017	0.070
		methanol	0.024	0.110
SP-51	Pellet Feed Tank V-1920	PM	<0.001	0.002
		formaldehyde	0.021	0.087
		methanol	0.001	0.004
SP-52	Pellet Feed Tank V-30518	PM	<0.001	0.001
		formaldehyde	0.020	0.083
		methanol	0.001	0.004
SP-53	Pellet Feed Tank V-1914	PM	<0.001	0.002
		formaldehyde	0.021	0.087
		methanol	0.001	0.004
SP-54	Pellet Feed Tank V-30519	PM	<0.001	0.001
		formaldehyde	0.020	0.083

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		methanol	0.001	0.004
SP-55	Pellet Feed Tank V-1916	PM	0.001	0.001
		formaldehyde	0.021	0.087
		methanol	0.001	0.004

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SP-56	Pellet Feed Tank V-30465	PM	0.001	0.001
		formaldehyde	0.020	0.084
		methanol	0.001	0.004
SP-57	Flake Storage Tank V-30393	PM	0.150	0.252
		formaldehyde	0.006	0.024
		methanol	<0.001	0.001
SP-58	Flake Storage Tank V-30368	PM	0.150	0.252
		formaldehyde	<0.001	0.002
		methanol	<0.001	0.001
SP-59	Pellet Feed Tank V-1635	PM	0.001	0.003
		formaldehyde	0.021	0.052
		methanol	0.001	0.003
SP-60	Pellet Feed Tank V-30366	PM	<0.001	0.001
		formaldehyde	0.021	0.087
		methanol	0.001	0.004
SP-61	Fiberglass Particulate	PM	0.050	0.028
SP-62	Pellet Receiver MS-31184	PM	0.008	0.032
SP-63	Fines Cyclone V-30388	PM	0.015	0.063
SP-65	Pellet Feed Tank V-30319	PM	<0.001	0.001
		formaldehyde	0.023	0.049
		methanol	0.001	0.002
SP-66	Exhaust Blower C-30188	formaldehyde	0.020	0.083
		methanol	0.001	0.004
SP-67	Dust Collection System V-30348 0.003		PM	0.001

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
SP-68	Scrape Grinder Cyclone MG-30026 0.010		PM	0.002
SP-69	Feeder Dust Collector MS-31704 0.042		PM	0.009
SP-70	Feeder Dust Collector MS-31703 0.042		PM	0.009
SP-71	Exhaust Blower C-30191	formaldehyde methanol	0.112 0.006	0.472 0.024
SP-73	Pellet Storage Tank V-1852	PM formaldehyde methanol	0.006 0.069 0.003	0.024 0.289 0.014
SP-75	Pellet Storage Tank V-30349 0.019		PM	0.004
		formaldehyde methanol	0.069 0.003	0.289 0.014
SP-82	Hot Oil Heater MS-31095	Therminol 66	0.810	0.001
SP-87	Pellet Blender MX-418	PM formaldehyde methanol	0.001 0.016 0.001	0.006 0.065 0.003
SP-88	Pellet Blender MX-416	PM formaldehyde methanol	0.003 0.017 0.001	0.012 0.072 0.004
SP-89	Pellet Blender MX-214	PM formaldehyde methanol	0.003 0.018 <0.001	0.013 0.073 0.004



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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
SP-90	Pellet Blender MX-414	PM	0.002	0.009
		formaldehyde	0.017	0.072
		methanol	0.001	0.004

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- (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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
NO<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in General Rule 101.1  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day    \_\_\_\_\_Days/week    \_\_\_\_\_Weeks/year or    8,760  
Hrs/year

Dated \_\_\_\_\_