

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4437A

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 amendment 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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
39A	PP Tank Farm	PM	0.02	0.07
		VOC	3.02	11.8
39B	Pellet Loading Spot No. 13	PM	0.04	0.16
		VOC	0.01	0.06
39C	Pellet Loading Spot No. 14	PM	0.05	0.23
		VOC	0.01	0.06
39D	Hopper Car Loading Spot	PM	<0.01	<0.01
39E	PP Bagging and Boxing	PM	<0.01	0.01
		VOC	0.01	0.06
46	Boiler 2 (8)	VOC	0.01	0.03
47	Boiler 3 (8)	VOC	0.01	0.03
48	Boiler 4 (8)	VOC	0.01	0.03
49	Boiler 5 (8)	VOC	0.01	0.03
52	Fluff Filter	PM	<0.01	<0.01
53	Bagging House	PM	<0.01	<0.01
56	PP Fugitives (4)	VOC	8.9	39.0
58	Waste Heat Boiler (5)	NOx	6.8	24.5
		PM	14.10	51.10

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HCl	13.90	51.10
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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
59	PP Flare (7)	PM	0.19	0.52
		NOx	2.73	7.27
		CO	13.96	37.14
		VOC	40.00	105.8
132	PP Cooling Tower (4)	VOC	0.95	4.15
216	PP Flare (6)	PM	0.19	0.50
		NOx	2.54	6.7
		CO	21.8	57.7
		VOC	24.6	57.6
<u>Train 1 Vent Filters</u>				
710	Extruder Feed Tank	PM	0.01	0.03
		VOC	1.02	3.32
711	Weigh Tank	PM	<0.01	0.01
		VOC	0.02	0.07
712	Finishing Vent (6) Filter	PM	0.21	0.70
		VOC	0.19	0.61
713	Ribbon Blender (7)	PM	<0.01	0.01
		VOC	0.08	0.24
715	Slave Feeder (7)	PM	<0.01	0.01
		VOC	0.01	0.03
716	Pure Add. Dust	PM	0.60	1.59
717	Ribbon Blender (7)	PM	0.09	0.3
		VOC	0.07	0.23
718	FCM Feed Chute (7)	PM	0.12	0.37

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		VOC	0.03	0.11
719	Pellet Dryer	PM	0.01	0.02
		VOC	0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
<u>Train 2 Vent Filters</u>				
720	Extruder Feed Tank	PM	0.01	0.02
		VOC	0.74	2.4
721	Weigh Tank	PM	<0.01	<0.01
		VOC	0.01	0.04
722	Finishing Vent Filter (6)	PM	0.11	0.36
		VOC	0.13	0.43
723	Ribbon Blender (7)	PM	<0.01	0.01
		VOC	0.05	0.18
725	Slave Feeder (7)	PM	<0.01	0.01
		VOC	0.01	0.03
727	Ribbon Blender (7)	PM	0.05	0.15
		VOC	0.05	0.16
728	FCM Feed Chute (7)	PM	0.06	0.20
		VOC	0.02	0.07
729	Pellet Dryer	PM	0.01	0.02
		VOC	0.01	0.03
<u>Train 3 Vent Filters</u>				
730	Tank Vent Filter	PM	0.02	0.06

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		VOC	0.21	0.68
731	Weigh Tank	PM	<0.01	<0.01
		VOC	0.01	0.03
732	Finishing Vent Filter (6)	PM	0.21	0.68
		VOC	0.33	1.06
733	Ribbon Blender (Addition) (7)	PM	<0.01	<0.01
		VOC	0.03	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
735	Slave Feeder (7)	PM	<0.01	<0.01
736	Pure Add. Dust (Trains 3 and 4)	PM	0.60	1.64
737	Ribbon Blender (7)	PM	<0.01	0.01
		VOC	<0.01	0.01
738	FCM Feed Chute	PM	0.02	0.06
739	Pellet Dryer	PM	0.01	0.02
<u>Train 4 Vent Filters</u>				
740	Extruder Feed Tank	PM	0.02	0.07
		VOC	1.29	4.17
741	Weigh Tank Vent Filter	PM	0.01	0.01
		VOC	0.03	0.11
743	Ribbon Blender (7)	PM	<0.01	0.01
		VOC	0.15	0.47

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745	Slave Feeder (7)	PM	0.01	0.02
		VOC	0.02	0.05
747	High Speed Blender (7)	PM	0.18	0.57
		VOC	0.13	0.43
748	Extruder Feed Chute	VOC	0.03	0.11
749	Extruder Vent	VOC	0.03	0.1
750	Pellet Dryer	PM	0.01	0.03
		VOC	0.02	0.07

- (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  
VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - total oxides of nitrogen  
CO - carbon monoxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

- (5) Shall be removed from service no later than December 1, 1993.

- (6) Shall be in service no later than 18 months of issuance of this permit amendment.

- (7) Shall be removed from service no later than 18 months of issuance of this permit amendment.

- (8) Vent gas streams associated with polypropylene facilities listed in this permit. The boilers' total emissions are listed separately in Permit No. 20384, and do not exceed allowable emission rates with contribution from this permit.

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

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

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Revised\_\_\_\_\_