

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 7793A

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
GP-I	Group I Emissions	PM <sub>10</sub>	0.017	0.009
PBO1-DC-1	PBO1 Baghouse No. 1 (5 and 6)	PM <sub>10</sub>	0.0006	0.0003
PBO1-DC2	PBO1 Baghouse No. 2 (5 and 6)	PM <sub>10</sub>	0.0006	0.0003
PBO2-DC1	PBO2 Baghouse No. 1 (5 and 6)	PM <sub>10</sub>	0.0049	0.0026
PBO2-DC2	PBO2 Baghouse No. 2 (5 and 6)	PM <sub>10</sub>	0.0049	0.0026
P&G1-DC2	P&G Dust System No. 1 (5 and 6) 0.0015		PM <sub>10</sub>	0.0029
P&G2-DC	P&G Dust System No. 2 (5 and 6) 0.0015		PM <sub>10</sub>	0.0029
GP-II	Group II Emissions	PM <sub>10</sub>	0.001	0.0004
PBO1-CVS	PBO1 Vacuum System (7 and 8)	PM <sub>10</sub>	0.0003	0.0001
PBO2-CVS	PBO2 Vacuum System (7 and 8)	PM <sub>10</sub>	0.0006	0.0003
PBO-FLARE	PBO FLARE	NO <sub>x</sub>	0.81	1.02
		CO	1.60	2.03
		Acetone	7.67	4.03
Tank A	Storage Tank A (4)	Acetone	9.15	0.39
Tank B	Storage Tank B (4)	Acetone	0.58	0.36

TLOAD 1	Truck Loading Area No. 1 (4)	Acetone	0.005	0.02
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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
PBO-PC	PBO Piping Components (4)	Acetone	0.57	2.51
R&D-FH1	R&D Lab Fume Hood	PM <sub>10</sub>	0.66	0.03
		VOC	5.23	0.68
DP-B-BAGH	Matrix Binder Furnace	PM <sub>10</sub>	<0.00001	<0.00001
DP-P-BAGH	Matrix Powder Baghouse	PM <sub>10</sub>	0.002	0.0003
		VOC	<0.00001	<0.00001

(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<sub>10</sub> - particulate matter (PM) 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.

VOC - volatile organic compounds

NO<sub>x</sub> - nitrogen oxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

(5) Group I Emission Point.

(6) Emission rate for specified emission point is an estimate, but total emissions from all Group I

emission

points is limited to quantity reflected for EPN GP-I.

(7) Group II Emission Point.

(8) Emission rate for specified emission point is an estimate, but total emissions from all Group II emission

points is limited to quantity reflected for EPN GP-II.

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

Authorized Operating Hours: 24 Hrs/day 7 Days/week 52 Weeks/year 8,760 Hrs/yr

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<u>Process/Operation</u> <u>Throughput</u>	<u>Hourly Throughput</u>		<u>Annual</u>
Matrix Binder Furnace	170	Lbs	215 Tons
Infiltrated Powder Line	1,850	Lbs	335 Tons
Hot Press Powder Line	1,320	Lbs	15 Tons

<u>Process/Operation</u>	<u>Hourly Throughput</u>	<u>Annual Throughput</u>
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Powder Blending Line:

Acetone Use	1,000 Lbs	504 Tons
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Powder Use	2,225 Lbs	1,158 Tons
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R and D Lab:

Solvent Use (Acetone and/or Hexane)	6.0 Lbs	1,360 Lbs
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Powder Use	70 Lbs	5,750 Lbs
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Dated\_\_\_\_\_