

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19851

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.

The following table is for Phase I of the construction and manufacturing process:

## AIR CONTAMINANTS DATA

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 COATINGS

DC-1	Liquid Dust Collector No. 1 3.00	VOC	1.07	
		PM <sub>10</sub>	0.02	0.06
DC-2	Liquid Dust Collector No. 2 3.00	VOC	1.07	
		PM <sub>10</sub>	<0.01	0.03
DC-3	Liquid Dust Collector No. 3 4.50	VOC	1.61	
		PM <sub>10</sub>	<0.01	0.03
FC-1	Fume Collector No. 1	VOC	0.54	1.50
FC-2	Fume Collector No. 2	VOC	1.07	3.00
FUG-M	Liquid Manufacturing Fugitive 0.68	VOC	0.16	
FUG-M2	New Liquid Manufacturing Fugitive	VOC	0.08	0.37
FUG-T	Tank Farm Fugitive	VOC	1.17	5.11

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## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
RESTKS	Resin Tanks	VOC	0.80	0.45
SOLVTKS	Solvent Tanks	VOC	0.78	0.25
VAPRTKS	Solvent Vapor Recovery Tanks 0.06		VOC	0.08
WASHTKS	Wash Solvent Tanks	VOC	0.08	0.03
LOADING	Solvent Truck Loading	VOC	0.02	0.01
FUG-WASH	Wash Solvent Area Fugitive	VOC	0.15	0.67

## POWDER COATINGS MANUFACTURING

DCMS	Micronizer Security Filter	PM <sub>10</sub>	<0.01	0.01
DCP1	Area Dust Collector No. 1	PM <sub>10</sub>	<0.01	0.01
DCP2	Area Dust Collector No. 2	PM <sub>10</sub>	<0.01	0.01
DCP3	Area Dust Collector No. 3	PM <sub>10</sub> M-Methyl-2 Pyrolidone 4.10	<0.01	0.01 5.61
DCP4	Area Dust Collector No. 4	PM <sub>10</sub>	<0.01	0.01
DCP5	Area Dust Collector No. 5	PM <sub>10</sub>	<0.01	0.01

The following table is for Phase II of the construction and manufacturing process:

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

## LIQUID COATINGS

DC-1	Liquid Dust Collector No. 1 5.25		VOC	1.88
		PM <sub>10</sub>	0.02	0.08
DC-3	Liquid Dust Collector No. 3 5.25		VOC	1.88
		PM <sub>10</sub>	<0.01	0.04
FC-2	Fume Collector No. 2	VOC	1.61	4.50
FUG-WASH	Wash Solvent Area Fugitive	VOC	0.15	0.67
FUG-M2	New Liquid Manufacturing Fugitive	VOC	0.24	1.05
FUG-T	Tank Farm Fugitive	VOC	1.17	5.11
RESTKS	Resin Tanks	VOC	0.80	0.45
SOLVTKS	Solvent Vapor Recovery Tanks 0.25		VOC	0.78
VAPRTKS	Solvent Vapor Recovery Tanks 0.06		VOC	0.08
WASHTKS	Wash Solvent Tanks	VOC	0.08	0.03
LOADING	Solvent Truck Loading	VOC	0.02	0.01

## POWDER COATINGS

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## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
			lb/hr	TPY
Point No. (1)	Name (2)	Name (3)		
DCMS	Micronizer Security Filter	PM <sub>10</sub>	<0.01	0.01
DCP1	Area Dust Collector No. 1	PM <sub>10</sub>	<0.01	0.01
DCP2	Area Dust Collector No. 2	PM <sub>10</sub>	<0.01	0.01
DCP3	Area Dust Collector No. 3	PM <sub>10</sub>	<0.01	0.01
	4.10	M-Methyl-2 Pyrolidone		5.61
DCP4	Area Dust Collector No. 4	PM <sub>10</sub>	<0.01	0.01
DCP5	Area Dust Collector No. 5	PM <sub>10</sub>	<0.01	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) PM<sub>10</sub> - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u> <u>TPY</u>

Dated\_\_\_\_\_