#### Permit Number 17276

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.

Emission	Source	Air Contaminant	Emission Rates*	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
S-6	Phenyl Acetate Surge Tank	VOC	0.0088	0.0480
P-10	4-HAP Dust Collection	PM <sub>10</sub> VOC	0.0870 0.0077	0.3810 0.0336
P-11	4-HAP Flaker Fugitives (4)	PM <sub>10</sub> VOC	0.7500 0.0100	0.0650 0.0100
P-12	APAP Mill Fugitives (4)	PM <sub>10</sub> VOC	0.0069 0.0100	0.0300 0.0100
P-13	Premilled APAP Blower Guard Filter	PM <sub>10</sub> VOC	0.0206 0.0004	0.0904 0.0018
S-14	Flare, T-510	VOC NO <sub>x</sub> CO	2.8515 0.1727 2.4522	12.4901 0.7566 10.7408
S-15	SO <sub>2</sub> Vent Scrubber, T-508	VOC D <sub>2</sub> 0.1258	0.0651 0.1437	0.2850
S-17	Acetic Acid/Acetic Anhydride Storage Tank	VOC	0.0453	0.0747
S-18	Acetic Anhydride Storage Tai	nk VOC	2.2935	0.2644
S-19	Phenol Storage Tank	VOC	2.6746	0.2660
S-20	Unit Process Fugitives (4)	VOC SO <sub>2</sub> HF NH <sub>3</sub> SOCl <sub>2</sub>	2.0153 1.2370 0.5614 0.2772 0.1584	8.8270 5.4180 2.4590 1.2140 0.6940

Emission	Source A	ir Contaminant	Emission Rates*	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
S-21	Tank Farm Fugitives (4)	VOC SO <sub>2</sub> HF HAS	1.9753 0.4596 0.2779 0.0210	8.652 2.0130 1.2170 0.0920
S-24	Oxime Crystallizer Vent	VOC	0.0002	0.0002
P-25	4-HAP Rework System	PM <sub>10</sub> VOC	0.1323 0.0100	0.0110 0.0100
P-26	4-HAP Manual Charge Fugitives (4)	PM <sub>10</sub> VOC	1.4771 0.0100	0.0739 0.0100
P-28	Dry Oxime Bin Vent Filter	PM <sub>10</sub> VOC	0.0174 0.0008	0.0760 0.0033
P-29	Dry Oxime Bin Vent Filter	PM <sub>10</sub> VOC	0.0174 0.0008	0.0760 0.0033
S-31	Oxime Wash Water Tank	VOC	0.0001	0.0001
P-32	Oxime Transfer Filter/ Charge Hopper	PM <sub>10</sub> VOC	0.1864 0.0081	0.1713 0.0074
P-33	Dry APAP Bin Vent Filter	PM <sub>10</sub> VOC	0.0016 0.0001	0.0070 0.0001
P-34	Dry APAP Bin Vent Filter	PM <sub>10</sub> VOC	0.0016 0.0001	0.0070 0.0001
P-35	Carbon Storage Bin Vent Filter	PM <sub>10</sub>	0.0386	0.0084
P-36	Carbon Filter Precoat Tank Air Filter	PM <sub>10</sub>	0.0013	0.0056
P-37	Sodium Dithionate Loading Ver	nt Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub> -PM	1.4000	0.0175
P-38	Potassium Iodide Charging Ver	nt PM	0.0544	0.0050

Emission	Source	Air Contaminant	Emission Rates*	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
P-39	Citric Acid Receiving Bin	PM <sub>10</sub> VOC	1.000 0.0100	0.0276 0.0100
P-40	APAP Rework Transfer Guard Filter	PM <sub>10</sub> VOC	0.0224 0.0005	0.0049 0.0001
S-42	Oxime Wastewater Tank	VOC	0.0010	0.0004
S-44	4-HAP Rework System	VOC	0.0164	0.0105
S-46	1st APAP Centrate Surge Tan	k VOC Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	0.0001 0.0100	0.0001 0.0100
S-47	2nd APAP Centrate Surge Tai	nk, VOC Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	0.0022 0.0100	0.0005 0.0100
S-48	2nd APAP Wash Water Tank	VOC Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	0.0001 0.0100	0.0001 0.0100
P-50	General Dust Collection Filter	Dust-PM <sub>10</sub> VOC	0.2250 0.0041	0.9450 0.0171
P-51	APAP Rework Transfer Guard Filter	PM <sub>10</sub> VOC	0.2250 0.0004	0.0049 0.0001
P-52	Milled Acetaminophen Bin Vent Filter	PM <sub>10</sub> VOC	0.0087 0.0002	0.0380 0.0007
P-54	Carbon Blower Guard Filter	$PM_{10}$	0.0222	0.0049
P-55	Precoat Recirculation Tank Ve	ent PM <sub>10</sub>	0.1155	0.0265
S-56	APAP Crystallizer Acetic Anhydride Addition System	VOC	0.0071	0.0300

Emission	Source	Air Contaminant	Emission Rates*	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
S-60	Oxime Centrifuge Feed Tank Vent 0.0002		VOC	0.0016
S-61	Oxime Centrifuge	VOC	0.0024	0.0100
S-62	Oxime Dryer Feed Hopper	VOC	0.0024	0.0100
S-64	APAP Vacuum Jet Vent	VOC	0.0024	0.0100
S-65	APAP Purification Vent Heade	er Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	0.0024	0.0100
S-66	APAP Drying System	VOC	0.0024	0.0100
P-67	APAP Blender Bin Vent Filter	PM <sub>10</sub> VOC	0.0156 0.0003	0.0656 0.0012
S-68	Oxime Vacuum Jet Vent	VOC NH₃ N₂O	0.0027 0.4662 0.6033	0.0100 1.9580 2.5338
S-69	4-HAP Tower Jet Condenser 0.0100	Vent	VOC	0.0023
P-70	4-HAP Packaging Room Fugitives (4)	PM <sub>10</sub> VOC	0.0057 0.0100	0.0250 0.0100
P-73	Celite Bag Dumper	PM <sub>10</sub>	0.0013	0.0003
P-74	APAP Packaging Room Fugitives (4)	PM <sub>10</sub> VOC	0.0060 0.0100	0.0250 0.0100
P-75	Citric Acid Storage Tank Filter	PM <sub>10</sub> VOC	0.3674 0.0100	0.0276 0.1000
P-76	APAP Packaging Hopper	$PM_{10}$	0.0060	0.0250
P-77	APAP Partials to Blender (4)	PM <sub>10</sub>	0.2205	0.1653

		VOC	0.0100	0.0100
P-78	APAP Packaging Blower Guard Filter	PM <sub>10</sub> VOC	0.0145 0.0003	0.0634 0.0011
P-79	General Dust Collection Blower Guard Filter	PM <sub>10</sub> VOC	0.2250 0.0041	0.9855 0.0178
S-81	Oxime Centrifuge	VOC	0.0010	0.0100
S-82	Continuous 4-Stage Oxime Reaction Vessel	VOC NH₃ N₂O	0.0001 0.0291 0.0377	0.0003 0.1224 0.1584
P-87	Oxime Dryer Blower Guard Filter	PM <sub>10</sub> VOC	0.2456 0.0094	1.0314 0.0396
P-88	APAP Dryer Blow Guard Filter	PM <sub>10</sub> VOC	0.2141 0.0039	0.8991 0.0162
P-90	APAP Packaging Hopper	PM <sub>10</sub>	0.0060	0.0250
P-93	Phenyl Acetate Truck Loading	VOC	0.1365	0.0036

<sup>(1)</sup> Emission point identification - either specific equipment designation or emission point number from plot plan.

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

<sup>(2)</sup> Specific point source name. For fugitive sources use area name or fugitive source name.

<sup>(3)</sup> PM - particulate matter, suspended in the atmosphere, including  $PM_{10}$ .

 $PM_{10}$  - 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.

VOC - volatile organic compounds as defined in the Title 30 Title Texas Administrative Code § 101.1

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES					
<ul> <li>(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emissions rate.</li> <li>(5) VOC emissions not including hexane.</li> </ul>					
* Emission rates are based on and the facilities are limited by the following maximum operating schedule:					
Hrs/day Days/weekWeeks/year or <u>8,760</u> Hrs/year					
* Compliance with annual emission limits is based on a rolling 12-month period.					
DatedJune 20, 2002					

CO

- carbon monoxide