Permit No. 19886

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	<u>Emissic</u>	<u>n Rates</u>
<u>*</u> Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
8-1-002	Pourer Furnace	PM_{10} SO_2 NO_x CO VOC	0.01 <0.01 0.09 0.02 <0.01	0.05 <0.01 0.41 0.08 0.02
8-1-003	W-900A Recovery Vapori	zer PM ₁₀ SO ₂ NO _x CO VOC	0.09 <0.01 0.75 0.15 0.04	0.40 0.02 3.28 0.66 0.17
8-1-004	Strand Room Vent (5)	VOC	1.66	7.97
8-1-005	Stand Room Vent (5)	VOC	1.66	7.97
8-1-008	B-1 Storage Tank	VOC	0.01	<0.01
8-1-009	B-23 Storage Tank	VOC	1.23	0.01
8-1-010	Propionic Acid Process Fugitives (4)	s VOC	0.20	0.86
8-1-011	Hydrazine Process Fugi 0.02	tives (4)	H_2NNH_2	<0.01
8-1-012	Bulk Storage Silos	PM ₁₀ TSP	0.69 1.98	2.97 8.49

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
8-1-014	B-195 Process Vessel	VOC	<0.01	<0.01
8-1-015	B-63A Process Vessel	VOC	<0.01	<0.01
8-1-017	D-900 Process Vessel	VOC	0.06	<0.01
8-1-018	D-920 Process Vessel	VOC	0.05	<0.01
8-1-019	D-940 Process Vessel	VOC	0.02	<0.01
8-1-020	D-950 Process Vessel	VOC	0.05	<0.01
8-1-021	D-984 Process Vessel	VOC	<0.01	<0.01
8-1-023	B-1000 Process Vessel	VOC	<0.01	<0.01
8-1-024	B-130A&B Process Vesse	el VOC	0.34	0.01
8-1-025	B-143 Process Vessel	VOC	0.30	<0.01
8-1-026	A-27A Storage Tank	VOC	<0.01	<0.01
8-1-027	A-27B Storage Tank	VOC	0.02	<0.01
8-1-028	B-200 Process Vessel	VOC	<0.01	<0.01
8-1-030	Packaging Silos	PM ₁₀ TSP	0.69 1.98	2.97 8.49
8-1-031	Cooling Towers	VOC	<0.01	<0.01
8-1-032	D-949 Process Vessel	VOC	<0.01	<0.01

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
8-1-033	D-945 Process Vessel	VOC	<0.01	0.02
8-1-035	T-907 Catalyst Scrubbe	er PM ₁₀ TSP	<0.01 0.01	<0.01 0.05

Emission *	Source	Air Contaminar	nt <u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
8-1-036	B-27 Reactor Refeed Ho	oppers	PM_{10}	0.02
	0.02	TSP	0.06	0.05
8-1-037	Recovered Caprolactam 0.01	Loading	VOC	0.08
8-1-038	Spent Heating Fluid Lo	oading	VOC	<0.01
8-1-039	B-125 Hydrazine Storag	ge Tank	H ₂ NNH ₂	<0.01
8-1-040	F-155 Solid Additive H	Hopper	PM_{10}	0.46
	1.97	TSP	0.68	2.94
8-1-041	Seal Pots	VOC	0.04	0.16
8-1-042	Slurry Drums	VOC	0.05	0.20
8-1-043	B-2 TAD Storage Tank	VOC	0.08	<0.01
8-1-044	TAD Process Fugitives	(4) VOC	0.01	0.05
8-1-006	W-30E Vaporizer (Continuously Runnin <0.01	PM ₁₀ ng Back-up)	0.02 SO ₂	0.07 <0.01
	10.02	NO _x CO VOC	0.14 0.03 <0.01	0.61 0.12 0.03
8-1-300	W-40C Vaporizer (Reactor Train No. 3	PM ₁₀ 3) SO ₂	0.03 <0.01	0.15 <0.01

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		NO_x	0.28	1.23
		CO	0.06	0.25
		VOC	0.02	0.07

Emission *	Source	Air	Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)		Name (3)	<u>lb/hr</u>	TPY
8-1-400	W-40D Vaporizer (Reactor Train No. 4	4)	PM ₁₀ SO ₂ NO _x CO VOC	0.03 <0.01 0.28 0.06 0.02	0.15 <0.01 1.23 0.25 0.07
8-1-500	W-40E Vaporizer (Reactor Train No.	5)	$\begin{array}{c} PM_{10} \\ SO_2 \\ NO_x \\ CO \\ VOC \end{array}$	0.03 <0.01 0.28 0.06 0.02	0.15 <0.01 1.23 0.25 0.07
8-1-101	W-50C Vaporizer		PM ₁₀ SO ₂ NO _x CO VOC	0.06 <0.01 0.47 0.09 0.03	0.24 0.01 2.05 0.41 0.11
8-1-201	W-50D Vaporizer		$\begin{array}{c} PM_{10} \\ SO_2 \\ NO_x \\ CO \\ VOC \end{array}$	0.06 <0.01 0.47 0.09 0.03	0.24 0.01 2.05 0.41 0.11
8-1-600	W-50F Vaporizer (Reactor Train No. (6)	$\begin{array}{c} PM_{10} \\ SO_2 \\ NO_x \\ CO \\ VOC \end{array}$	0.06 <0.01 0.47 0.09 0.03	0.24 0.01 2.05 0.41 0.11
8-1-700	W-50G Vaporizer (Reactor Train No.	7)	PM_{10} SO_2 NO_x CO	0.06 <0.01 0.47 0.09	0.24 0.01 2.05 0.41

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		VOC	0.03	0.11
8-1-607	CY-94F1 Train 6 Separat Cyclone	tor PM ₁₀ TSP	0.10 0.27	0.40 1.13
8-1-608	CY-94F2 Train 6 Separat Cyclone	tor PM ₁₀ TSP	0.10 0.27	0.40 1.13
8-1-612	D-971 Process Vessel	VOC	<0.01	<0.01
8-1-701	CY-94G1 Train 7 Separat Cyclone	tor PM ₁₀ TSP	0.11 0.30	0.46 1.32
8-1-702	CY-94G2 Train 7 Separat Cyclone	tor PM ₁₀ TSP	0.11 0.30	0.46 1.32
8-1-045	D-990 Process Vessel	VOC	0.06	<0.01
8-1-046	B-66 Diesel Tank	VOC	0.07	<0.01

8-1-007 \	W-40S Back-up	Vaporizer	PM ₁₀ SO ₂ NO _x CO VOC	For Back-up Use Only	
designation or	emission point	number (EP	N) from plo	specific equipment of plan. rces use area name or	
fugitive source			g		
		ganic compou	ınds as def	ined in General Rule	
PM ₁₀ - partic TSP - total TAD - triace H ₂ NNH ₂ - hydraz	suspended par etone diamine				
NO _x - total	oxides of nit	rogen			
CO - carbon		J			
SO ₂ - sulfur					
(4) Fugitive			-	and should not be	
(5) Authoriz	ed emissions	of EPN 8-1	004. Sum	n of EPN 8-1-004 and	
· •	sions cannot e				
	are based o		facilities	are limited by the	
Hrs/	dav	Davs/week		Weeks/year or <u>8,760</u>	
Hrs/year	,	· , -,		, ,	

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EMISSION SOURCES	_	MAXIMUM	ALLOWABLE	EMISSION	RATES
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