#### AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<b>Emission</b>	<u>Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
	<b>EMISSION</b>	I SOURCES - MAXI	MUM ALL	OWABL	E EMISSION RATES

#### Permit No. 1733A

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 Point No. (1)	Source Name (2) Name (3)	Air Contaminant lb/hr TPY	Emission Rates	
7-2-2	Fugitives (4)	VOC NH <sub>3</sub>	1.68 0.51	7.37 2.22
7-2-3	Truck Loading	VOC	0.34	0.08
7-2-4	Rail Loading	VOC	2.60	0.06
7-2-5	T-12 Overhead Drum	VOC	0.045	0.18
7-2-6	Dehydro Methane Burner	CO NO <sub>x</sub> PM <sub>10</sub> VOC	0.09 0.47 0.02 0.02	0.36 1.78 0.09 0.09
7-2-7	Dehydro Methane Burner	CO NO <sub>x</sub> PM <sub>10</sub> VOC	0.09 0.47 0.02 0.02	0.36 1.78 0.09 0.09
7-2-8	Dilute Acid Water Tank	Organic Acid	ls 0.038	0.15

Emission Source				
Point No. (1) Na	ame (2) Name (3) lb/hr	<u>TPY</u>		
7-2-9	Anolon Storage Tank	VOC	0.30	1.40
7-2-10	T-15 Overhead Condenser	VOC	1.62	7.10
7-2-11	Tech Anol Feed Tank	VOC	0.15	0.16
7-2-12	Tech Anol Feed Tank	VOC	0.02	0.16
7-2-13	D'Anone Storage Tank	VOC	0.19	0.81
7-2-14	Dehydro Feed Tank	VOC	0.05	0.10
7-2-15	Cyclohexanol Tank	VOC	0.05	0.05
7-2-16	Cyclohexanol Tank	VOC	0.04	0.43
7-2-17	Cyclohexanone Storage Tanks	VOC	4.75	0.36
7-2-18	Cyclohexanone Storage Tank	VOC	2.37	0.18
7-2-19	Cyclohexanone Storage Tank	VOC	2.37	0.18
7-2-21	Concentrated Catalyst Tank	VOC	2.51	0.02
7-2-22	Cyclohexanone Storage Tank	VOC	2.37	0.18
7-2-23	Cyclohexanone Storage Tank	VOC	2.38	0.18
7-2-24	Anolon Storage Tank	VOC	0.051	0.20
7-2-25	Dehydro Feed Tank	VOC	1.37	0.07
7-2-27	Dilute Catalyst Tank	VOC	0.71	0.04
7-2-30	Anone and Anolon Storage	VOC	1.18	0.35

Emission Sour		ssion Rates		
Point No. (1) No.	ame (2) Name (3) Tank	<u>lb/hr TPY</u>		
7-2-32	Dilute Caustic Tank	VOC	0.001	<0.001
9-1-24	Cyclohexane Tank	VOC	0.26	0.32
9-1-25	Cyclohexane Tank	VOC	0.23	0.38
9-1-26	Cyclohexane Tank	VOC	0.12	0.38
9-1-27	Concentrated Acid Water Tank	Organic Acids	<0.003	0.03
9-1-28	Emergency Dump Tank	VOC	60.87	4.66
11-1-2	Catalytic Incinerator	CO NO <sub>x</sub> TSP	50.72 0.97 0.05	222.14 0.94 0.05
		VOC	20.91	91.63

Point No. (1) Name (2) Name (3)   Ib/hr   TPY   11-1-3   Dehydro Methane Burner   CO	Emission Sc	ource Air Contaminant	<u>Emission Rates</u>		
NO <sub>x</sub>   1.78   TSP   0.02   0.09   11-1-4   Dehydro Methane Burner   CO   0.09   0.36   NO <sub>x</sub>   0.47   1.78   TSP   0.02   0.09   VOC   0.03   0.09   VOC   0.04   0.05   1.3   1.1-1-9   Vent Condenser   VOC   0.08   0.08   1.1-1-12   Overhead Condenser   VOC   0.08   0.08   1.1-1-13   Overhead Condenser   VOC   0.01   0.01   VOC   0.02   VOC   VOC	Point No. (1)	Name (2) Name (3)	lb/hr TPY		
TSP	11-1-3	Dehydro Methane Burner	CO	0.09	0.36
11-1-4			NO <sub>x</sub>	0.47	1.78
11-1-4			TSP	0.02	0.09
NO <sub>x</sub>   CO   CO   CO   CO   CO   CO   CO   C			VOC	0.02	0.09
TSP	11-1-4	Dehydro Methane Burner			
11-1-5					
11-1-5					
NO <sub>x</sub>			VOC	0.02	0.09
TSP	11-1-5	Dehydro Methane Burner			
11-1-6					
11-1-6 Dehydro Methane Burner CO 0.10 0.36 NO <sub>x</sub> 7.51 1.78 TSP 0.03 0.09 VOC 0.03 0.09  11-1-7 Waste Burner CO 0.98 4.03 NO <sub>x</sub> 18.83 77.73 TSP 7.6 31.36 VOC 30.62 123.3  11-1-9 Vent Condenser VOC 0.02 1.3  11-1-10 Anolon Tank VOC 0.08 0.08  11-1-12 Overhead Condenser VOC 2.43 10.66  11-1-13 Overhead Condenser VOC 4.45 19.49  11-1-14 Overhead Condenser VOC <0.01 <0.01					
NO <sub>x</sub>   1.78   TSP   0.03   0.09   VOC   0.02   1.3   11-1-9   Vent Condenser   VOC   0.02   1.3   11-1-10   Anolon Tank   VOC   0.08   0.08   11-1-12   Overhead Condenser   VOC   2.43   10.66   11-1-13   Overhead Condenser   VOC   4.45   19.49   11-1-14   Overhead Condenser   VOC   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.01   <0.0			VOC	0.02	0.09
TSP VOC 0.03 0.09 VOC 0.03 0.09  11-1-7 Waste Burner CO 0.98 4.03 77.73 TSP 7.6 31.36 VOC 30.62 123.3  11-1-9 Vent Condenser VOC 0.02 1.3  11-1-10 Anolon Tank VOC 0.08 0.08  11-1-12 Overhead Condenser VOC 2.43 10.66  11-1-13 Overhead Condenser VOC 4.45 19.49  11-1-14 Overhead Condenser VOC <0.01 <0.01	11-1-6	Dehydro Methane Burner			
11-1-7   Waste Burner   CO   0.98   4.03   77.73   18.83   77.73   TSP   7.6   31.36   70.00   7.6   7.6   31.36   70.00   7.6   7.6   31.36   70.00   7.6   7.0					
11-1-7       Waste Burner       CO NOx 18.83 77.73 7.6 31.36 7.6 31.36 7.75 7.6 31.36 7.00 30.62 123.3         11-1-9       Vent Condenser       VOC 0.02 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3					
NOx TSP TSP VOC       18.83 77.73 7.6 31.36 7.6 31.36 70.00 30.62 123.3         11-1-9       Vent Condenser       VOC       0.02 1.3         11-1-10       Anolon Tank       VOC       0.08 0.08 0.08 0.08         11-1-12       Overhead Condenser       VOC       2.43 10.66 19.49 0.01         11-1-13       Overhead Condenser       VOC       4.45 19.49 0.01         11-1-14       Overhead Condenser       VOC       <0.01 <0.01			VOC	0.03	0.09
TSP 7.6 31.36 30.62 123.3  11-1-9 Vent Condenser VOC 0.02 1.3  11-1-10 Anolon Tank VOC 0.08 0.08  11-1-12 Overhead Condenser VOC 2.43 10.66  11-1-13 Overhead Condenser VOC 4.45 19.49  11-1-14 Overhead Condenser VOC <0.01 <0.01	11-1-7	Waste Burner			
VOC       30.62       123.3         11-1-9       Vent Condenser       VOC       0.02       1.3         11-1-10       Anolon Tank       VOC       0.08       0.08         11-1-12       Overhead Condenser       VOC       2.43       10.66         11-1-13       Overhead Condenser       VOC       4.45       19.49         11-1-14       Overhead Condenser       VOC       <0.01					
11-1-9       Vent Condenser       VOC       0.02       1.3         11-1-10       Anolon Tank       VOC       0.08       0.08         11-1-12       Overhead Condenser       VOC       2.43       10.66         11-1-13       Overhead Condenser       VOC       4.45       19.49         11-1-14       Overhead Condenser       VOC       <0.01					
11-1-10       Anolon Tank       VOC       0.08       0.08         11-1-12       Overhead Condenser       VOC       2.43       10.66         11-1-13       Overhead Condenser       VOC       4.45       19.49         11-1-14       Overhead Condenser       VOC       <0.01			VOC	30.62	123.3
11-1-12       Overhead Condenser       VOC       2.43       10.66         11-1-13       Overhead Condenser       VOC       4.45       19.49         11-1-14       Overhead Condenser       VOC       <0.01	11-1-9	Vent Condenser	VOC	0.02	1.3
11-1-13         Overhead Condenser         VOC         4.45         19.49           11-1-14         Overhead Condenser         VOC         <0.01	11-1-10	Anolon Tank	VOC	0.08	0.08
11-1-13         Overhead Condenser         VOC         4.45         19.49           11-1-14         Overhead Condenser         VOC         <0.01	11-1-12	Overhead Condenser	VOC	2.43	10.66
11-1-14 Overhead Condenser VOC <0.01 <0.01					
	11-1-13	Overhead Condenser	VOC	4.45	19.49
11 <sub>-</sub> 1 <sub>-</sub> 15 Storage Tank VOC <0.01 0.04	11-1-14	Overhead Condenser	VOC	<0.01	<0.01
11-1-15 Storage rank VOC \(\cdot 0.01 \)	11-1-15	Storage Tank	VOC	<0.01	0.04

Emission Source Point No. (1) Na	ce Air Contaminant <u>Emission l</u> ame (2) Name (3) lb/hr	Rates TPY		
11-1-21	EP 316/323 Tank	VOC	0.02	<0.05
11-1-22	EP 323 Storage Tank	VOC <	0.01	0.024
11-1-23	Concentrated Acid Water	Organic Acids	<0.01	<0.01
11-1-24	Dilute Acid Water Tank	Organic Acids	<0.01	<0.01
11-1-25	Concentrated Catalyst Tank	VOC	1.93	0.02
11-1-26	Dilute Catalyst Tank	VOC	0.04	0.11
11-1-27	Hotwell Tank	VOC	<0.001 <	0.01
11-1-29	Anolon Tank	VOC	0.02	1.3
11-1-35	Cyclohexanone Tanks (3)	VOC	1.28	6.11
11-1-36	Dehydro Feed Tank	VOC	0.14	0.19
11-1-37	Dehydro Feed Tank	VOC	0.14	0.19
11-1-38	Dehydro Feed Tank	VOC	0.14	0.19
11-1-39	Dehydro Feed Tank	VOC	0.14	0.19
11-1-40	Heavies Cracking Feed	VOC	0.11	0.52
11-1-41	EP-316 Storage Tank	VOC	0.25	0.075
11-1-42	EP-316 Storage Tank	VOC	0.44	0.17
11-1-43	Dehydro Methane Burner	CO NO <sub>x</sub> TSP	0.09 0.47 0.02	0.36 1.78 0.09

		<u>nission Rates</u> lb/hr TPY		
POIIIL NO. (I)	Name (2) Name (3)	VOC	0.03	0.09
11-1-44	Dehydro Methane Burner	CO NO <sub>x</sub> TSP VOC	0.10 0.51 0.03 0.03	0.36 1.78 0.09 0.09
11-1-45	Emergency Dump Tank	VOC	62.35	0.86
11-1-47	Fugitives (4)	VOC	2.79	12.21
11-1-48	Fugitives (4)	VOC	2.17	9.52
11-1-49	Fugitives (4)	$NH_3$	0.63	2.78
11-1-50	Railcar Loading	VOC	7.87	0.72
11-1-51	Truck Loading	VOC	1.11	0.087
11-1-52	Off-site Barge Loading	VOC	3.83	0.181
7-3-1	Nitric Oxide Flare	NO <sub>x</sub> CO	2.15 1.0	0.47 0.13
7-3-2	Vent Gas Flare	NO <sub>x</sub> CO	71.4 7.01	312.76 30.7
7-3-34	Kettle Scrubber Vent	Acids	0.5	2.19
7-3-35	Catalytic Converter Vent	TSP	<0.001	<0.001
7-3-42	Catalyst Oven Vent	TSP	<0.001	<0.001
7-3-43	Catalyst Oven Vent	TSP	<0.001	<0.001

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# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Sour Point No. (1) N	ce Air Contaminant <u>Emission</u> ame (2) Name (3) lb/hr	<u>Rates</u> TPY		
7-3-44	Catalyst Oven Vent	TSP	<0.001	<0.001
7-3-52	Transfer Station	TSP	1.17	5.04
7-3-55	Fugitives (4)	NH₃	0.98	4.3
12-1-1	Vent Gas Flare	NO <sub>x</sub> CO	210.98 10.92	707.64 36.80
12-1-2	Nitric Oxide Flare	NO <sub>x</sub> CO	1.0 1.0	0.07 0.13
12-1-8	Concentrated Sulfuric Acid Storage Drum	H <sub>2</sub> SO <sub>4</sub>	<0.001	<0.001
12-1-9	Concentrated Sulfuric Acid Storage Drum	H₂SO₄	<0.001	<0.001
12-1-29	Catalytic Converter Vent	TSP	<0.001	0.003
12-1-30	Kettle Scrubber Vent	Acids	0.50	2.19
12-1-31	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-32	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-33	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-34	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-35	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-36	Catalyst Oven Vent	TSP	<0.001	<0.001
12-1-44	Catalyst Transfer Station	TSP	4.01	17.23

Emission Source Point No. (1) Na	ce Air Contaminant <u>Emissior</u> ame (2) Name (3) lb/hr	<u>Rates</u> TPY			
12-1-45	Fugitives (4)	NH <sub>3</sub>		1.61	7.1
7-1-7	Anone Stripper OH Drum	VOC		0.53	0.003
7-1-8	Benzene Scrubber Vent	VOC (Be	nzene)	0.75	3.29
7-1-9	Slurry Settling Drum	VOC		0.28	<0.001
7-1-10	Wash Water Storage Tank	VOC		<0.001	<0.001
7-1-11	Wash Water Storage Tank	VOC	<	0.001	<0.001
7-1-12	Wash Water Storage Tank	VOC		<0.001	<0.001
7-1-13	Wash Water Storage Tank	VOC		<0.001	<0.001
7-1-14	SO <sub>2</sub> Scrubber	SO <sub>2</sub>		2.72	11.92
7-1-15	Neutralization Separator Drum	VOC		0.45	<0.001
7-1-16	Neutralization Circulation Drum	VOC		0.14	<0.001
7-1-17	Neutralization Crude Storage Tank	VOC		0.01	0.004
7-1-20	Kettle Dump Drum	VOC		0.02	<0.001
7-1-21	Overhead Drum	VOC		0.01	<0.001
7-1-22	Bottoms Drum	VOC		0.10	<0.01
7-1-23	Check Tank	VOC		0.20	0.01
7-1-24	Check Tank	VOC		0.20	0.01

Emission Sour Point No. (1) N	rce Air Contaminant <u>Emission</u> ame (2) Name (3) lb/hr	Rates TPY		
7-1-25	Storage Tank Vent	VOC	7.46	0.006
7-1-26	Kettles Overhead Tank	VOC	0.005 <	0.001
7-1-27	Bottoms Drum	VOC	0.05	0.004
7-1-29	Anone Surge Tank	VOC	1.20	0.01
7-1-30	Oleum Scrubber Vent	SO <sub>3</sub> /H <sub>2</sub> SO <sub>4</sub>	<0.001	0.003
7-1-31	Oxime Holdup Tank	VOC	1.02	0.013
7-1-32	Neutralization Separator Drum	VOC	0.45	<0.001
7-1-33	Neutralization Circulation Drum	VOC	0.20	<0.001
7-1-34	Neutralization Crude Storage Tank	VOC	0.01	0.05
7-1-35	Extract Storage Tank	VOC	0.013	0.009
7-1-36	Overheads Drum	VOC	0.08 <	0.01
7-1-37	Bottoms Tank	VOC	0.12	<0.01
7-1-38	Product Check Tank	VOC	0.17	0.01
7-1-39	Product Check Tank	VOC	0.17	0.01
7-1-40	Overheads Drum	VOC	0.007	0.001
7-1-41	Poly Return Storage Tank	VOC	0.006	0.002

Emission Sour				
Point No. (1) Na 7-1-42	ame (2) Name (3) lb/hr Oxime Salt Storage Tank	TPY VOC	0.004	<0.001
7-1-43	Mother Liquor Storage Tank	VOC	0.016	<0.001
7-1-44	Flake Feed Storage Tank	VOC	0.19	0.12
7-1-46	SO4 Scrubber	TSP	4.86	21.29
7-1-47	Jet Vent	VOC	0.01	0.046
7-1-48	Jet Vent	VOC	0.01	0.046
7-1-49	Flaker N2 Scrubber	TSP	0.64	2.79
7-1-58	Jet Vent	VOC	0.01	0.046
7-1-59	Jet Vent	VOC	0.01	0.046
7-1-60	Jet Vent	VOC	0.01	0.046
7-1-61	Jet Vent	VOC	0.01	0.046
7-1-62	Jet Vent	VOC	0.01	0.046
7-1-63	Jet Vent	VOC	0.01	0.046
7-1-64	N2 Drying Tower	VOC	0.056	0.24
7-1-65	Vacuum System	VOC	0.01	0.046
7-1-66	Tank Farm Fugitives (4)	VOC	0.30	1.31
7-1-67	Oximation Fugitives (4)	VOC NH₃	0.30 0.48	1.3 2.1
7-1-68	Distillation Fugitives (4)	VOC	0.3	1.32
7-1-69	Reaction Fugitives (4)	VOC	0.3	1.32

Emission Sour Point No. (1) No	ce Air Contaminant <u>Em</u> ame (2) Name (3)	nission Rates lb/hr TPY		
7-1-70	Extraction Fugitives (4)	VOC	0.3	1.32
7-1-71	Caprolactam Rail Loading	VOC	0.01	<0.001
7-1-73	SO₂ Scrubber	SO₂ NH₃	2.76 0.29	12.07 1.27
14-1-4	Oxime Separator	VOC	<0.001	<0.01
14-1-5	Oxime Separator	VOC	<0.001	0.01
14-1-7	Overheads	VOC	0.22	0.95
14-1-8	Lactam Separator	VOC	<0.001	<0.001
14-1-10	Purge Drums	VOC	1.90	6.30
14-1-12	Centrifuge Feed Tank	VOC	0.000	<0.001
14-1-13	Centrifuge Feed Tank	VOC	0.027	<0.001
14-1-16	D-711	VOC	0.027	0.002
14-1-18	HW-140	VOC	0.057	0.25
14-1-25	Oxime Storage Drum .012	VOC	1.48	0
14-1-27	Crude Lactam Storage	VOC	0.029	0.008
14-1-29	Extract Storage	VOC	0.007	0.01
14-1-30	Extract Storage	VOC	0.007	0.001
14-1-31	Extract Storage	VOC	0.66	1.44
14-1-32	D-301	VOC	0.037 <	0.01

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# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Source Point No. (1) Na	ce Air Contaminant <u>En</u> ame (2) Name (3)	nission Rates lb/hr TPY		
14-1-36	Foreruns Receiver	VOC	0.76	0.026
14-1-37	Lights Throwaway Storage	VOC	0.10	0.008
14-1-38	Kettle Feed Drum	VOC	0.25	0.029
14-1-39	Kettle Overheads	VOC	0.61	0.02
14-1-40	Mother Liquor Storage	VOC	0.25	0.002
14-1-41	Mother Liquor Receiver	VOC	0.01	<0.001
14-1-44	Water Storage	VOC	<0.001	0.0000
14-1-45	Concentrated Storage	VOC	4.69	0.10
14-1-46	Oxime Salt Storage	VOC	1.21	0.002
14-1-47	Mother Liquor Storage	VOC	0.62	0.004
14-1-54	EV-140	VOC	0.01	0.046
14-1-55	Drying Tower	VOC	0.01	0.046
14-1-56	Foreruns Tower Receiver	VOC	0.01	0.046
14-1-57	Finishing Tower	VOC	0.01	0.046
14-1-58	E-511	VOC	0.01	0.046
14-1-60	D-431	VOC	0.02	0.092
14-1-61	Kettle	VOC	0.01	0.046
14-1-62	E-600a	VOC	0.01	0.046
14-1-63	E-600b	VOC	0.01	0.046

Emission Source Point No. (1) Na	ce Air Contaminant <u>Emission l</u> ame (2) Name (3) lb/hr	Rates TPY		
14-1-64	E-720	VOC	0.01	0.046
14-1-65	T-130	VOC	<0.001	0.003
14-1-67	Pre-Drying Tower	VOC	0.01	0.046
14-1-68	Caprolactam Loading	VOC	0.45	1.03
14-1-69	Scrubber	TSP	1.17	5.12
14-1-70	Vacuum Jet	VOC	0.01	0.046
14-1-73-01	Oximation Fugitives (4)	VOC	0.20	0.87
14-1-73-02	Anone Recovery Fugitives (4)	VOC	0.20	0.87
14-1-73-03	Caprolactam Fugitives (4)	VOC (Benzene)	0.20	0.87
14-1-73-04	Benzene Fugitives (4)	VOC (Benzene)	0.20	0.87
14-1-73-05	Fugitives (4)	NH <sub>3</sub>	0.136	0.60
14-1-75	Benzene Crude Scrubber	VOC (Benzene)	0.75	3.29
14-1-76	SO <sub>2</sub> Scrubber	SO <sub>2</sub> NH <sub>3</sub>	2.76 0.29	12.07 1.27
14-1-77	Oleum Scrubber	SO <sub>3</sub> /H <sub>2</sub> SO <sub>4</sub>	<0.001	0.003
14-1-78	t1160, t1150	VOC	0.08	0.32
14-1-82	Benzene Truck Loading	VOC (Benzene)	1.07	0.003
14-1-83	Caprolactam Loading	VOC	0.002	<0.001
14-1-85	Extract Storage	VOC	0.21	0.05

14-1-86	Kettle Dump Trailer	VOC	0.067	0.294
14-1-87	e331a	VOC	0.01	0.046
14-1-88	e341b	VOC	0.01	0.046
14-1-90	Extraction Tower Bottoms	VOC	<0.001 <	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

VOC - volatile organic compounds as defined in General Rule 101.1

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

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

CO - carbon monoxide

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid SO<sub>3</sub> - sulfur trioxide

TSP - total suspended particulates

NH<sub>3</sub> - ammonia

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

Dated		