EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9908

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)	Emission Rates * lb/hr	TPY **
Current Operations				
F-MAINT	Maintenance Emissions	BD	5.56	0.21
F-PACKC	Pack Out C Building Losses	Styrene	0.11	0.38
F-PACKCC	Pack Out CC Building Losses	Styrene	0.05	0.15
F-PACKD	Pack Out D Building Losses	Styrene	0.11	0.38
F-PILOT	Pilot Plant Building Losses	BD	0.02	0.08
		PM_{10}	0.02	0.06
		Styrene	0.20	0.69
		VOC (7)	0.06	0.20
F-PROCESSC	Process C Building Losses	Styrene	1.82	3.99
F-PROCESSCC	Process CC Building Losses	Styrene	0.22	0.48
F-PROCESSD	Process D Building Losses	Styrene	1.82	3.99
F-WWT	Wastewater System	Acetone	0.19	0.83
		BD	0.06	0.26
		Styrene	1.54	6.75
		VOC (7)	0.68	3.02
S-CARBLK	Carbon Black Grinding	PM_{10} (6)	0.04	0.19
S-DRYERD	D Dryer	PM_{10}	1.50	3.20
		Styrene	5.80	15.80
		VOC (8)	3.40	9.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
S-DRYERF	F Dryer	PM_{10}	1.50	5.00
		Styrene	18.40	80.60
		VOC (8)	10.30	45.10
S-DRYERG	G Dryer	PM_{10}	5.00	21.90
		Styrene	14.00	61.32
		VOC (8)	5.00	21.90
S-DRYERH	H Dryer	PM_{10}	1.80	6.31
		Styrene	19.30	67.61
		VOC (7)	3.42	12.00
S-DRYERJ	J Dryer	PM_{10}	1.28	3.61
		Styrene	14.80	41.94
		VOC (7)	2.43	6.87
S-PILOTFLR	Pilot Plant Flare	BD	0.29	0.01
		CO	0.01	0.02
		NO_x	0.03	0.04
		SO_2	0.01	0.01
		VOC	0.01	0.01
S-PLANTFLR	Plant Flare	BD	29.15	0.58
	(Start-up, Shutdown and	CO	1.47	2.06
	Maintenance Emissions)	NO_x	2.89	4.05
		SO_2	0.02	0.04
		VOC	0.01	0.01
S-SUPERHEAT	Steam Super Heater	CO	0.24	1.04
		NO_x	0.28	1.24
		PM_{10} (5)	0.02	0.09
		SO_2	0.01	0.01
		VOC	0.02	0.07
SOUTH-CT	South Cooling Tower	PM_{10}	1.73	7.59
		VOC	1.09	4.76
SS-12	A Dryer	PM_{10}	1.0	4.4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		Styrene	19.8	69.4
		VOC (8)	5.0	17.5
SS-13	B Dryer	PM_{10}	1.0	4.4
		Styrene	19.8	69.4
		VOC (8)	5.0	17.5
SS-14	C Dryer	PM_{10}	1.0	4.4
		Styrene	15.0	56.9
		VOC (8)	3.7	13.9
SS-16	E Dryer	PM_{10}	1.2	4.1
		Styrene	15.0	56.9
		VOC (8)	6.5	28.3
SS-20	I Dryer	PM_{10}	1.8	7.6
		Styrene	15.0	56.9
		VOC (8)	7.6	29.3
T-AMINE	Amine Coagulant Tank	VOC	65.29	0.78
T-COAGAID1	Coagulation Tank 1	VOC	0.20	
T-COAGAID2	Coagulation Tank 2	VOC	1.22	
T-COAGAID3	Coagulation Tank 3	VOC	0.16	
T-COAGAID4	Coagulation Tank 4	VOC	0.20	
T-COAGAID5	Coagulation Tank 5	VOC	0.20	
T-COAGAID6	Coagulation Tank 6	VOC	0.16	
T-COAGAID	Coagulation Aid Tanks (Annual Emission Cap)	VOC		0.06
T-DIESEL1	Diesel Tank 1	VOC	0.07	
T-DIESEL2	Diesel Tank 2	VOC	0.24	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-DIESEL3	Diesel Tank 3	VOC	0.02	
T-DIESEL	Diesel Tanks (Annual Emission Cap)	VOC		0.01
T-D/L-OIL1	Staining Oil Tank 1	VOC	1.50	
T-D/L-OIL2	Staining Oil Tank 2	VOC	2.43	
T-D/L-OIL3	Staining Oil Tank 3	VOC	1.50	
T-D/L-OIL4	Staining Oil Tank 4	VOC	1.50	
T-D/L-OIL5	Staining Oil Tank 5	VOC	1.50	
T-D/L-OIL6	Staining Oil Tank 6	VOC	1.50	
T-D/L-OIL7	Staining Oil Tank 7	VOC	1.49	
T-D/L-OIL8	Staining Oil Tank 8	VOC	2.09	
T-D/L-OIL9	Staining Oil Tank 9	VOC	2.09	
T-D/L-OIL10	Staining Oil Tank 10	VOC	1.74	
T-D/L-OIL	Staining Oil Tanks (Annual Emission Cap)	VOC		0.26
T-EM/MOD1	EMMODMOX Tank 1	VOC	0.40	
T-EM/MOD2	EMMODMOX Tank 2	VOC	0.36	
T-EM/MOD3	EMMODMOX Tank 3	VOC	0.40	
T-EM/MOD4	EMMODMOX Tank 4	VOC	0.40	
T-EM/MOD5	EMMODMOX Tank 5	VOC	0.40	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-EM/MOD6	EMMODMOX Tank 6	VOC	0.41	
T-EM/MOD7	EMMODMOX Tank 7	VOC	1.38	
T-EM/MOD8	EMMODMOX Tank 8	VOC	0.88	
T-EM/MOD9	EMMODMOX Tank 9	VOC	0.79	
T-EM/MOD10	EMMODMOX Tank 10	VOC	0.38	
T-EM/MOD11	EMMODMOX Tank 11	VOC	0.01	
T-EM/MOD12	EMMODMOX Tank 12	VOC	0.01	
T-EM/MOD13	EMMODMOX Tank 13	VOC	0.28	
T-EM/MOD14	EMMODMOX Tank 14	VOC	0.17	
T-EM/MOD15	EMMODMOX Tank 15	VOC	0.18	
T-EM/MOD16	EMMODMOX Tank 16	VOC	0.05	
T-EM/MOD17	EMMODMOX Tank 17	VOC	0.04	
T-EM/MOD18	EMMODMOX Tank 18	VOC	0.05	
T-EM/OX/MOD	Emulsifier, Oxidant and Modifier Tanks (Annual Emission Cap)	VOC		0.54
T-LTX-C11	Latex Tank 11	Styrene	0.22	
T-LTX-C12	Latex Tank 12	Styrene	0.22	
T-LTX-C13	Latex Tank 13	Styrene	0.22	
T-LTX-C14	Latex Tank 14	Styrene	0.22	
T-LTX-C15	Latex Tank 15	Styrene	0.22	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-LTX-C16	Latex Tank 16	Styrene	0.22	
T-LTX-C17	Latex Tank 17	Styrene	0.22	
T-LTX-C18	Latex Tank 18	Styrene	0.22	
T-LTX-C19	Latex Tank 19	Styrene	0.22	
T-LTX-CC41	Latex Tank CC41	Styrene	0.22	
T-LTX-CC42	Latex Tank CC42	Styrene	0.22	
T-LTX-CC43	Latex Tank CC43	Styrene	0.22	
T-LTX-CC44	Latex Tank CC44	Styrene	0.22	
T-LTX-CC45	Latex Tank CC45	Styrene	0.22	
T-LTX-CC46	Latex Tank CC46	Styrene	0.22	
T-LTX-CD	Latex C/D Dorr Tank	Styrene	0.22	
T-LTX-D1	Latex Tank D1	Styrene	0.22	
T-LTX-D2	Latex Tank D2	Styrene	0.22	
T-LTX-D3	Latex Tank D3	Styrene	0.22	
T-LTX-D4	Latex Tank D4	Styrene	0.22	
T-LTX-D5	Latex Tank D5	Styrene	0.22	
T-LTX-D6	Latex Tank D6	Styrene	0.22	
T-LTX-D7	Latex Tank D7	Styrene	0.22	
T-LTX-D8	Latex Tank D8	Styrene	0.22	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-LTX-D9	Latex Tank D9	Styrene	0.22	
T-LTX	Latex Tanks (Annual Emission Cap)	Styrene		0.56
T-MSTY1	Styrene Tank 1	Styrene	12.43	
T-MSTY2	Styrene Tank 2	Styrene	5.64	
T-MSTY3	Styrene Tank 3	Styrene	5.64	
T-MSTY	Main Styrene Tanks (Annual Emission Cap)	Styrene		1.80
T-SFLEX1	Flexone Tank 1	VOC	0.02	
T-SFLEX2	Flexone Tank 2	VOC	0.02	
T-SFLEX3	Flexone Tank 3	VOC	0.01	
T-SFLEX4	Flexone Tank 4	VOC	0.01	
T-SFLEX5	Flexone Tank 5	VOC	0.01	
T-SFLEX6	Flexone Tank 6	VOC	0.01	
T-SFLEX7	Flexone Tank 7	VOC	0.01	
T-SFLEX8	Flexone Tank 8	VOC	0.01	
T-SFLEX9	Flexone Tank 9	VOC	0.01	
T-SFLEX10	Flexone Tank 10	VOC	0.02	
T-SFLEX11	Flexone Tank 11	VOC	0.02	
T-SFLEX	Flexone Tanks (Annual Emission Cap)	VOC		0.01
T-SGEL	Geltrol Tank	VOC	0.04	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-SSTP1	Shortstop Tank 1	VOC	1.68	
T-SSTP2	Shortstop Tank 2	VOC	0.52	
T-SSTP3	Shortstop Tank 3	VOC	0.50	
T-SHRTSTOP	Shortstop Tanks (Annual Emission Cap)	VOC		0.02
T-SPLY1	Nonstaining AO Tank 1	VOC	0.01	
T-SPLY2	Nonstaining AO Tank 2	VOC	0.01	
T-SPLY3	Nonstaining AO Tank 3	VOC	0.01	
T-SPLY4	Nonstaining AO Tank 4	VOC	0.01	
T-SPLY5	Nonstaining AO Tank 5	VOC	0.01	
T-SPLY6	Nonstaining AO Tank 6	VOC	0.01	
T-SPLY	Nonstaining AO Tanks 1 - 6 (Annual Emission Cap)	VOC		0.01
T-TALLOIL1	Tall Oil Tank 1	VOC	0.60	
T-TALLOIL2	Tall Oil Tank 2	VOC	0.66	
T-TALLOIL3	Tall Oil Tank 3	VOC	0.63	
T-TALLOIL	Tall Oil Tanks (Annual Emission Cap)	VOC		0.04
T-WGAS	West Gasoline Tank	VOC	13.10	0.21
F-MONTF	Process Fugitives (4)	BD	0.83	3.63
		Styrene	0.36	1.56

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
F-REACCA	Process Fugitives (4)	BD	0.22	0.97
		Styrene	0.03	0.14
F-REACCB	Process Fugitives (4)	BD	0.25	1.11
		Styrene	0.03	0.13
F-REACCC	Process Fugitives (4)	BD	0.39	1.72
		Styrene	0.03	0.15
F-REACDA	Process Fugitives (4)	BD	0.19	0.84
		Styrene	0.03	0.15
F-REACDB	Process Fugitives (4)	BD	0.17	0.74
		Styrene	0.03	0.12
F-RECOVCA	Process Fugitives (4)	BD	0.11	0.48
		Styrene	0.03	0.13
F-RECOVCB	Process Fugitives (4)	BD	0.08	0.35
		Styrene	0.01	0.05
F-RECOVCC	Process Fugitives (4)	BD	0.04	0.18
		Styrene	0.01	0.05
F-RECOVDA	Process Fugitives (4)	BD	0.07	0.32
		Styrene	0.02	0.10
F-RECOVDB	Process Fugitives (4)	BD	0.11	0.50
		Styrene	0.01	0.06

Phase One Completion Emission Limits

F-MAINT	Maintenance Emissions	BD	5.56	0.23
F-PACKC	Pack Out C Building Losses	Styrene	0.05	0.23
F-PACKCC	Pack Out CC Building Losses	Styrene	0.02	0.09

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
F-PACKD	Pack Out D Building Losses	Styrene	0.05	0.23
F-PILOT	Pilot Plant Building Losses	BD	0.01	0.02
		PM_{10}	0.02	0.04
		Styrene		0.20	0.16
		VOC (7)		0.03	0.06
F-PROCESSC	Process C Building Losses	Styrene	0.91	1.40
F-PROCESSCC	Process CC Building Losses	Styrene	0.14	0.17
F-PROCESSD	Process D Building Losses	Styrene	0.91	1.40
F-WWT	Wastewater System	Acetone	0.21	0.91
		BD	0.07	0.33
		Styrene		1.70	7.44
		VOC (7)		0.70	3.08
S-CARBLK	Carbon Black Grinding	PM_{10} (6)	0.04	0.19
S-PILOTFLR	Pilot Plant Flare	BD	0.01	0.01
		CO	0.01	0.03
		NO_x	0.01	0.01
		SO_2	0.01	0.01
		VOC (7)		0.10	0.44
S-PLANTFLR	Plant Flare Normal Operation	BD	0.16	0.69
		CO	0.59	2.57
		NO_x	0.11	0.47
		SO_2	0.01	0.01
		VOC (7)		0.10	0.44
	Start-up, Shutdown and Maintenance Emissions	BD	29.15	0.58
		CO	1.47	2.06
		NO_x	2.89	4.05
		SO_2	0.02	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		VOC 0.01	0.01	
S-SUPERHEAT	Steam Super Heater	CO	0.24	1.04
		NO_x 0.28	1.24	
		PM_{10} (5)	0.02	0.09
		SO_2 0.01	0.01	
		VOC 0.02	0.07	
SOUTH-CT	South Cooling Tower	PM_{10}	1.73	7.59
		VOC 0.32	1.42	
SS-12	A Dryer	PM_{10}	1.80	
		Styrene	19.99	
		VCH 0.69		
		VOC (8)	1.48	
SS-13	B Dryer	PM_{10}	1.80	
		Styrene	20.03	
		VCH 0.69		
		VOC (8)	1.52	
SS-14	C Dryer	PM_{10}	1.80	
		Styrene	20.29	
		VCH 0.69		
		VOC (8)	1.47	
S-DRYERD	D Dryer	PM_{10}	1.80	
		Styrene	20.18	
		VCH 0.69		
		VOC (8)	1.59	
SS-16	E Dryer	PM_{10}	1.80	
		Styrene	19.97	
		VCH 0.69		
		VOC (8)	1.67	
S-DRYERF	F Dryer	PM_{10}	1.80	
		Styrene	19.84	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		VCH 0.69		
		VOC (8)	1.70	
S-DRYERG	G Dryer	PM_{10}	1.80	
		Styrene	19.86	
		VCH 0.69		
		VOC (8)	2.11	
S-DRYERH	H Dryer	PM_{10}	1.80	
		Styrene	19.29	
		VCH 0.69		
		VOC (8)	1.87	
SS-20	I Dryer	PM_{10}	1.80	
		Styrene	19.76	
		VCH 0.69		
		VOC (8)	1.48	
S-DRYERJ	J Dryer	PM_{10}	1.80	
		Styrene	17.10	
		VCH 0.69		
		VOC (8)	3.32	
	Hourly Styrene Emission Cap for the Ten Dryers	Styrene	42.70	
	Annual Emission Caps for the Ten Dryers	PM_{10}		36.75
		Styrene		145.78
		VCH	13.99	
		VOC (8)		35.64
T-AMINE	Amine Coagulant Tank	VOC	65.32	0.87
T-COAGAID1	Coagulation Tank 1	VOC	0.20	
T-COAGAID2	Coagulation Tank 2	VOC	1.20	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-COAGAID3	Coagulation Tank 3	VOC	0.16	
T-COAGAID4	Coagulation Tank 4	VOC	0.20	
T-COAGAID5	Coagulation Tank 5	VOC	0.20	
T-COAGAID6	Coagulation Tank 6	VOC	0.16	
T-COAGAID	Coagulation Aid Tanks (Annual Emission Cap)	VOC		0.06
T-DIESEL1	Diesel Tank 1	VOC	0.07	
T-DIESEL2	Diesel Tank 2	VOC	0.24	
T-DIESEL3	Diesel Tank 3	VOC	0.02	
T-DIESEL	Diesel Tanks (Annual Emission Cap)	VOC		0.01
T-D/L-OIL1	Staining Oil Tank 1	VOC	1.50	
T-D/L-OIL2	Staining Oil Tank 2	VOC	2.43	
T-D/L-OIL3	Staining Oil Tank 3	VOC	1.50	
T-D/L-OIL4	Staining Oil Tank 4	VOC	1.50	
T-D/L-OIL5	Staining Oil Tank 5	VOC	1.50	
T-D/L-OIL6	Staining Oil Tank 6	VOC	1.50	
T-D/L-OIL7	Staining Oil Tank 7	VOC	1.49	
T-D/L-OIL8	Staining Oil Tank 8	VOC	2.09	
T-D/L-OIL9	Staining Oil Tank 9	VOC	2.09	
T-D/L-OIL10	Staining Oil Tank 10	VOC	1.74	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-D/L-OIL	Staining Oil Tanks (Annual Emission Cap)	VOC		0.29
T-EM/MOD1	EMMODMOX Tank 1	VOC	0.40	
T-EM/MOD2	EMMODMOX Tank 2	VOC	0.36	
T-EM/MOD3	EMMODMOX Tank 3	VOC	0.40	
T-EM/MOD4	EMMODMOX Tank 4	VOC	0.40	
T-EM/MOD5	EMMODMOX Tank 5	VOC	0.40	
T-EM/MOD6	EMMODMOX Tank 6	VOC	0.41	
T-EM/MOD7	EMMODMOX Tank 7	VOC	1.38	
T-EM/MOD8	EMMODMOX Tank 8	VOC	0.88	
T-EM/MOD9	EMMODMOX Tank 9	VOC	0.79	
T-EM/MOD10	EMMODMOX Tank 10	VOC	0.38	
T-EM/MOD11	EMMODMOX Tank 11	VOC	0.01	
T-EM/MOD12	EMMODMOX Tank 12	VOC	0.01	
T-EM/MOD13	EMMODMOX Tank 13	VOC	0.28	
T-EM/MOD14	EMMODMOX Tank 14	VOC	0.17	
T-EM/MOD15	EMMODMOX Tank 15	VOC	0.18	
T-EM/MOD16	EMMODMOX Tank 16	VOC	0.05	
T-EM/MOD17	EMMODMOX Tank 17	VOC	0.04	
T-EM/MOD18	EMMODMOX Tank 18	VOC	0.05	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-EM/OX/MOD	Emulsifier, Oxidant and Modifier Tanks (Annual Emission Cap)	VOC		0.58
T-LTX-C11	Latex Tank 11	Styrene	0.18	
T-LTX-C12	Latex Tank 12	Styrene	0.18	
T-LTX-C13	Latex Tank 13	Styrene	0.18	
T-LTX-C14	Latex Tank 14	Styrene	0.18	
T-LTX-C15	Latex Tank 15	Styrene	0.18	
T-LTX-C16	Latex Tank 16	Styrene	0.18	
T-LTX-C17	Latex Tank 17	Styrene	0.18	
T-LTX-C18	Latex Tank 18	Styrene	0.18	
T-LTX-C19	Latex Tank 19	Styrene	0.18	
T-LTX-CC41	Latex Tank CC41	Styrene	0.18	
T-LTX-CC42	Latex Tank CC42	Styrene	0.18	
T-LTX-CC43	Latex Tank CC43	Styrene	0.18	
T-LTX-CC44	Latex Tank CC44	Styrene	0.18	
T-LTX-CC45	Latex Tank CC45	Styrene	0.18	
T-LTX-CC46	Latex Tank CC46	Styrene	0.18	
T-LTX-CD	Latex C/D Dorr Tank	Styrene	0.18	
T-LTX-D1	Latex Tank D1	Styrene	0.18	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-LTX-D2	Latex Tank D2	Styrene	0.18	
T-LTX-D3	Latex Tank D3	Styrene	0.18	
T-LTX-D4	Latex Tank D4	Styrene	0.18	
T-LTX-D5	Latex Tank D5	Styrene	0.18	
T-LTX-D6	Latex Tank D6	Styrene	0.18	
T-LTX-D7	Latex Tank D7	Styrene	0.18	
T-LTX-D8	Latex Tank D8	Styrene	0.18	
T-LTX-D9	Latex Tank D9	Styrene	0.18	
T-LTX	Latex Tanks (Annual Emission Cap)	Styrene		0.59
T-MSTY1	Styrene Tank 1	Styrene	6.36	
T-MSTY2	Styrene Tank 2	Styrene	4.37	
T-MSTY3	Styrene Tank 3	Styrene	4.37	
T-MSTY	Main Styrene Tanks (Annual Emission Cap)	Styrene		1.99
T-SFLEX1	Flexone Tank 1	VOC	0.01	
T-SFLEX2	Flexone Tank 2	VOC	0.01	
T-SFLEX3	Flexone Tank 3	VOC	0.01	
T-SFLEX4	Flexone Tank 4	VOC	0.01	
T-SFLEX5	Flexone Tank 5	VOC	0.01	
T-SFLEX6	Flexone Tank 6	VOC	0.01	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-SFLEX7	Flexone Tank 7	VOC	0.01	
T-SFLEX8	Flexone Tank 8	VOC	0.01	
T-SFLEX9	Flexone Tank 9	VOC	0.01	
T-SFLEX10	Flexone Tank 10	VOC	0.01	
T-SFLEX11	Flexone Tank 11	VOC	0.01	
T-SFLEX	Flexone Tanks (Annual Emission Cap)	VOC		0.01
T-SGEL	Geltrol Tank	VOC	0.04	0.01
T-SSTP1	Shortstop Tank 1	VOC	1.68	
T-SSTP2	Shortstop Tank 2	VOC	0.53	
T-SSTP3	Shortstop Tank 3	VOC	0.50	
T-SHRTSTOP	Shortstop Tanks (Annual Emission Cap)	VOC		0.01
T-SPLY1	Nonstaining AO Tank 1	VOC	0.01	
T-SPLY2	Nonstaining AO Tank 2	VOC	0.01	
T-SPLY3	Nonstaining AO Tank 3	VOC	0.01	
T-SPLY4	Nonstaining AO Tank 4	VOC	0.01	
T-SPLY5	Nonstaining AO Tank 5	VOC	0.01	
T-SPLY6	Nonstaining AO Tank 6	VOC	0.01	
T-SPLY	Nonstaining AO Tanks 1 - 6 (Annual Emission Cap)	VOC		0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-TALLOIL1	Tall Oil Tank 1	VOC	0.51	
T-TALLOIL2	Tall Oil Tank 2	VOC	0.54	
T-TALLOIL3	Tall Oil Tank 3	VOC	0.51	
T-TALLOIL	Tall Oil Tanks (Annual Emission Cap)	VOC		0.04
T-WGAS	West Gasoline Tank	VOC	13.10	0.21
F-MONTF	Process Fugitive (4)	BD	0.59	2.57
		Styrene	0.15	0.64
F-REACCA	Process Fugitive (4)	BD	0.27	1.18
		Styrene	0.09	0.38
F-REACCB	Process Fugitive (4)	BD	0.26	1.12
		Styrene	0.09	0.38
F-REACCC	Process Fugitive (4)	BD	0.26	1.14
		Styrene	0.03	0.12
F-REACDA	Process Fugitive (4)	BD	0.27	1.19
		Styrene	0.11	0.49
F-REACDB	Process Fugitive (4)	BD	0.36	1.57
		Styrene	0.13	0.56
F-RECOVCA	Process Fugitive (4)	BD	0.14	0.63
		Styrene	0.03	0.13
F-RECOVCB	Process Fugitive (4)	BD	0.10	0.43
		Styrene	0.01	0.05
F-RECOVCC	Process Fugitive (4)	BD	0.04	0.18
		Styrene	0.01	0.05

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
F-RECOVDA	Process Fugitive (4)	BD	0.08	0.34
		Styrene	0.02	0.10
F-RECOVDB	Process Fugitive (4)	BD	0.12	0.54
		Styrene	0.01	0.05
Phase Two Completion Emission Limits				
F-MAINT	Maintenance Emissions	BD	5.56	0.32
F-PACKC	Pack Out C Building Losses	Styrene	0.07	0.31
F-PACKCC	Pack Out CC Building Losses	Styrene	0.03	0.14
F-PACKD	Pack Out D Building Losses	Styrene	0.07	0.31
F-PILOT	Pilot Plant Building Losses	BD	0.01	0.02
		PM_{10}	0.02	0.05
		Styrene	0.19	0.14
		VOC (7)	0.03	0.08
F-PROCESSC	Process C Building Losses	Styrene	0.59	0.90
F-PROCESSCC	Process CC Building Losses	Styrene	0.11	0.14
F-PROCESSD	Process D Building Losses	Styrene	0.59	0.90
F-WWT	Wastewater System	Acetone	0.23	1.01
		BD	0.10	0.44
		Styrene	2.02	8.83
		VOC (7)	0.77	3.38
S-CARBLK	Carbon Black Grinding	PM_{10} (6)	0.04	0.19
S-PILOTFLR	Pilot Plant Flare	BD	0.01	0.01
		CO	0.01	0.03
		NO_x	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		SO_2 0.01	0.01	
		VOC (7)	0.10	0.44
S-PLANTFLR	Plant Flare	BD	0.21	0.94
	Normal Operation	CO	0.61	2.66
		NO_x	0.11	0.49
		SO_2 0.01	0.01	
		VOC (7)	0.11	0.45
	Start-up, Shutdown and	BD	29.15	0.58
	Maintenance Emissions	CO	1.47	2.06
		NO_x	2.89	4.05
		SO_2 0.02	0.04	
		VOC 0.01	0.01	
S-SUPERHEAT	Steam Super Heater	CO	0.24	1.04
		NO_x 0.28	1.24	
		PM_{10} (5)	0.02	0.09
		SO_2 0.01	0.01	
		VOC 0.02	0.07	
SOUTH-CT	South Cooling Tower	PM_{10}	2.36	10.34
		VOC 0.44	1.94	
SS-12	A Dryer	PM_{10}	1.80	
		Styrene	19.99	
		VCH 0.69		
		VOC (8)	1.48	
SS-13	B Dryer	PM_{10}	1.80	
		Styrene	20.03	
		VCH 0.69		
		VOC (8)	1.52	
SS-14	C Dryer	PM_{10}	1.80	
		Styrene	20.29	
		VCH 0.69		
		VOC (8)	1.47	
S-DRYERD	D Dryer	PM_{10}	1.80	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		Styrene	20.18	
		VCH 0.69		
		VOC (8)	1.59	
SS-16	E Dryer	PM_{10}	1.80	
		Styrene	19.97	
		VCH 0.69		
		VOC (8)	1.67	
S-DRYERF	F Dryer	PM_{10}	1.80	
		Styrene	19.84	
		VCH 0.69		
		VOC (8)	1.70	
S-DRYERG	G Dryer	PM_{10}	1.80	
		Styrene	19.86	
		VCH 0.69		
		VOC (8)	2.11	
S-DRYERH	H Dryer	PM_{10}	1.80	
		Styrene	19.29	
		VCH 0.69		
		VOC (8)	1.87	
SS-20	I Dryer	PM_{10}	1.80	
		Styrene	19.76	
		VCH 0.69		
		VOC (8)	1.48	
S-DRYERJ	J Dryer	PM_{10}	1.80	
		Styrene	17.10	
		VCH 0.69		
		VOC (8)	3.32	
	Hourly Styrene Emission Cap for the Ten Dryers	Styrene	42.70	
	Annual Emission Caps for the Ten Dryers	PM_{10}		50.25
		Styrene		128.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		VCH	19.13	
		VOC (8)		49.88
T-AMINE	Amine Coagulant Tank	VOC	65.32	1.18
T-COAGAID1	Coagulation Tank 1	VOC	0.20	
T-COAGAID2	Coagulation Tank 2	VOC	1.22	
T-COAGAID3	Coagulation Tank 3	VOC	0.16	
T-COAGAID4	Coagulation Tank 4	VOC	0.20	
T-COAGAID5	Coagulation Tank 5	VOC	0.20	
T-COAGAID6	Coagulation Tank 6	VOC	0.16	
T-COAGAID	Coagulation Aid Tanks (Annual Emission Cap)	VOC		0.07
T-DIESEL1	Diesel Tank 1	VOC	0.07	
T-DIESEL2	Diesel Tank 2	VOC	0.24	
T-DIESEL3	Diesel Tank 3	VOC	0.02	
T-DIESEL	Diesel Tanks (Annual Emission Cap)	VOC		0.01
T-D/L-OIL1	Staining Oil Tank 1	VOC	1.50	
T-D/L-OIL2	Staining Oil Tank 2	VOC	2.43	
T-D/L-OIL3	Staining Oil Tank 3	VOC	1.50	
T-D/L-OIL4	Staining Oil Tank 4	VOC	1.50	
T-D/L-OIL5	Staining Oil Tank 5	VOC	1.50	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-D/L-OIL6	Staining Oil Tank 6	VOC	1.50	
T-D/L-OIL7	Staining Oil Tank 7	VOC	1.49	
T-D/L-OIL8	Staining Oil Tank 8	VOC	2.09	
T-D/L-OIL9	Staining Oil Tank 9	VOC	2.09	
T-D/L-OIL10	Staining Oil Tank 10	VOC	1.74	
T-D/L-OIL	Staining Oil Tanks (Annual Emission Cap)	VOC		0.35
T-EM/MOD1	EMMODMOX Tank 1	VOC	0.40	
T-EM/MOD2	EMMODMOX Tank 2	VOC	0.36	
T-EM/MOD3	EMMODMOX Tank 3	VOC	0.40	
T-EM/MOD4	EMMODMOX Tank 4	VOC	0.40	
T-EM/MOD5	EMMODMOX Tank 5	VOC	0.40	
T-EM/MOD6	EMMODMOX Tank 6	VOC	0.41	
T-EM/MOD7	EMMODMOX Tank 7	VOC	1.38	
T-EM/MOD8	EMMODMOX Tank 8	VOC	0.88	
T-EM/MOD9	EMMODMOX Tank 9	VOC	0.79	
T-EM/MOD10	EMMODMOX Tank 10	VOC	0.38	
T-EM/MOD11	EMMODMOX Tank 11	VOC	0.01	
T-EM/MOD12	EMMODMOX Tank 12	VOC	0.01	
T-EM/MOD13	EMMODMOX Tank 13	VOC	0.28	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-EM/MOD14	EMMODMOX Tank 14	VOC	0.17	
T-EM/MOD15	EMMODMOX Tank 15	VOC	0.18	
T-EM/MOD16	EMMODMOX Tank 16	VOC	0.05	
T-EM/MOD17	EMMODMOX Tank 17	VOC	0.04	
T-EM/MOD18	EMMODMOX Tank 18	VOC	0.05	
T-EM/OX/MOD	Emulsifier, Oxidant and Modifier Tanks (Annual Emission Cap)	VOC		0.77
T-LTX-C11	Latex Tank 11	Styrene	0.19	
T-LTX-C12	Latex Tank 12	Styrene	0.19	
T-LTX-C13	Latex Tank 13	Styrene	0.19	
T-LTX-C14	Latex Tank 14	Styrene	0.19	
T-LTX-C15	Latex Tank 15	Styrene	0.19	
T-LTX-C16	Latex Tank 16	Styrene	0.19	
T-LTX-C17	Latex Tank 17	Styrene	0.19	
T-LTX-C18	Latex Tank 18	Styrene	0.19	
T-LTX-C19	Latex Tank 19	Styrene	0.19	
T-LTX-CC41	Latex Tank CC41	Styrene	0.19	
T-LTX-CC42	Latex Tank CC42	Styrene	0.19	
T-LTX-CC43	Latex Tank CC43	Styrene	0.19	
T-LTX-CC44	Latex Tank CC44	Styrene	0.19	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-LTX-CC45	Latex Tank CC45	Styrene	0.19	
T-LTX-CC46	Latex Tank CC46	Styrene	0.19	
T-LTX-CD	Latex C/D Dorr Tank	Styrene	0.19	
T-LTX-D1	Latex Tank D1	Styrene	0.19	
T-LTX-D2	Latex Tank D2	Styrene	0.19	
T-LTX-D3	Latex Tank D3	Styrene	0.19	
T-LTX-D4	Latex Tank D4	Styrene	0.19	
T-LTX-D5	Latex Tank D5	Styrene	0.19	
T-LTX-D6	Latex Tank D6	Styrene	0.19	
T-LTX-D7	Latex Tank D7	Styrene	0.19	
T-LTX-D8	Latex Tank D8	Styrene	0.19	
T-LTX-D9	Latex Tank D9	Styrene	0.19	
T-LTX	Latex Tanks (Annual Emission Cap)	Styrene		0.63
T-MSTY1	Styrene Tank 1	Styrene	6.36	
T-MSTY2	Styrene Tank 2	Styrene	4.37	
T-MSTY3	Styrene Tank 3	Styrene	4.37	
T-MSTY	Main Styrene Tanks (Annual Emission Cap)	Styrene		2.51
T-SFLEX1	Flexone Tank 1	VOC	0.01	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-SFLEX2	Flexone Tank 2	VOC	0.01	
T-SFLEX3	Flexone Tank 3	VOC	0.01	
T-SFLEX4	Flexone Tank 4	VOC	0.01	
T-SFLEX5	Flexone Tank 5	VOC	0.01	
T-SFLEX6	Flexone Tank 6	VOC	0.01	
T-SFLEX7	Flexone Tank 7	VOC	0.01	
T-SFLEX8	Flexone Tank 8	VOC	0.01	
T-SFLEX9	Flexone Tank 9	VOC	0.01	
T-SFLEX10	Flexone Tank 10	VOC	0.01	
T-SFLEX11	Flexone Tank 11	VOC	0.01	
T-SFLEX	Flexone Tanks (Annual Emission Cap)	VOC		0.01
T-SGEL	Geltrol Tank	VOC	0.04	0.01
T-SSTP1	Shortstop Tank 1	VOC	1.68	
T-SSTP2	Shortstop Tank 2	VOC	0.53	
T-SSTP3	Shortstop Tank 3	VOC	0.50	
T-SHRTSTOP	Shortstop Tanks (Annual Emission Cap)	VOC		0.01
T-SPLY1	Nonstaining AO Tank 1	VOC	0.01	
T-SPLY2	Nonstaining AO Tank 2	VOC	0.01	
T-SPLY3	Nonstaining AO Tank 3	VOC	0.01	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
T-SPLY4	Nonstaining AO Tank 4	VOC	0.01	
T-SPLY5	Nonstaining AO Tank 5	VOC	0.01	
T-SPLY6	Nonstaining AO Tank 6	VOC	0.01	
T-SPLY	Nonstaining AO Tanks 1 - 6 (Annual Emission Cap)	VOC		0.01
T-TALLOIL1	Tall Oil Tank 1	VOC	0.52	
T-TALLOIL2	Tall Oil Tank 2	VOC	0.55	
T-TALLOIL3	Tall Oil Tank 3	VOC	0.52	
T-TALLOIL	Tall Oil Tanks (Annual Emission Cap)	VOC		0.04
T-WGAS	West Gasoline Tank	VOC	13.10	0.21
F-MONTF	Process Fugitive (4)	BD	0.59	2.57
		Styrene	0.15	0.64
F-REACCA	Process Fugitive (4)	BD	0.27	1.18
		Styrene	0.09	0.38
F-REACCB	Process Fugitive (4)	BD	0.26	1.12
		Styrene	0.09	0.38
F-REACCC	Process Fugitive (4)	BD	0.26	1.14
		Styrene	0.03	0.12
F-REACDA	Process Fugitive (4)	BD	0.27	1.19
		Styrene	0.11	0.49
F-REACDB	Process Fugitive (4)	BD	0.36	1.57
		Styrene	0.13	0.56

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
F-REACNB	Process Fugitives (4)	BD	0.27	1.18
		Styrene	0.07	0.31
F-RECOVCA	Process Fugitive (4)	BD	0.14	0.63
		Styrene	0.03	0.13
F-RECOVCB	Process Fugitive (4)	BD	0.10	0.43
		Styrene	0.01	0.05
F-RECOVCC	Process Fugitive (4)	BD	0.04	0.18
		Styrene	0.01	0.05
F-RECOVDA	Process Fugitive (4)	BD	0.08	0.34
		Styrene	0.02	0.10
F-RECOVDB	Process Fugitive (4)	BD	0.12	0.54
		Styrene	0.01	0.05
F-RECOVNB	Process Fugitives (4)	BD	0.14	0.63
		Styrene	0.01	0.05

(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) BD - 1,3-butadiene
CO - carbon monoxide
NO_x - nitrogen oxide
SO_2 - sulfur dioxide
PM_{10} - 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.
VCH - vinyl cyclohexene
VOC - volatile organic compounds as defined in Title 30 Texas Administragive Code § 101.1
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) PM_{10} emissions from the carbon black grinding area shall cease emitting from this EPN by March 1, 2007.
(6) PM_{10} emissions from the carbon black grinding area shall emit from this EPN on and after March 1, 2007.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

(7) VOC emissions do not include styrene, 1,3-butadiene and vinyl cyclohexene
(8) VOC emissions do not include styrene and vinyl cyclohexene.

* 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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated November 2, 2005