Emission Sources - Maximum Allowable Emission Rates

Flexible Permit Number 6618

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
NO_X Sources				
Q4501	Plant Flare	NO_X	See Overall NO_X Emission Cap	
Q4502	Thermal Oxidizer			
F-1, F-7	Dryer F			
G-1, G-7	Dryer G			
J1, J2, J3	Dryer J			
K1, K2, K3	Dryer K			
L1, L2, L3	Dryer L			
M1, M2, M3	Dryer M			
P1, P2, P3	Dryer P			
FUG-A2F	Packing/Shipping Bay			
FUG-A3F	Packing/Shipping Bay			
FUG-A6F	Packing/Shipping Bay			
Overall MSS NO_X Emission Cap				
Q4501	Plant Flare MSS	NO_X	See Overall MSS NO_X Emission Cap	
Planned MSS NO_X Emission Subcap				
FUG-DW	Planned MSS	NO_X	See Planned MSS NO_X Emission Subcap	
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall NO_X Emission Cap		**NO_X**	**13.54**	**50.61**
Overall MSS NO_X Emission Cap		**NO_X**	**0.49**	**0.05**
Planned MSS NO_X Emission Subcap		**NO_X**	**0.01**	**<0.01**

Emission Sources - Maximum Allowable Emission Rates

CO Sources				
Q4501	Plant Flare	CO	See Overall CO Emission Cap	
Q4502	Thermal Oxidizer			
F-1, F-7	Dryer F			
G-1, G-7	Dryer G			
J1, J2, J3	Dryer J			
K1, K2, K3	Dryer K			
L1, L2, L3	Dryer L			
M1, M2, M3	Dryer M			
P1, P2, P3	Dryer P			
FUG-A2F	Packing/Shipping Bay			
FUG-A3F	Packing/Shipping Bay			
FUG-A6F	Packing/Shipping Bay			
Overall MSS CO Emission Cap				
Q4501	Plant Flare MSS	CO	See Overall MSS CO Emission Cap	
Planned MSS CO Emission Subcap				
FUG-DW	Planned MSS	CO	See Planned MSS CO Emission Subcap	
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall CO Emission Cap		**CO**	**16.08**	**48.77**
Overall MSS CO Emission Cap		**CO**	**2.54**	**0.25**
Planned MSS CO Emission Subcap		**CO**	**0.16**	**<0.01**

Emission Sources - Maximum Allowable Emission Rates

SO_2 Sources				
Q4501	Plant Flare	SO_2	See Overall SO_2 Emission Cap	
Q4502	Thermal Oxidizer			
F-1, F-7	Dryer F			
G-1, G-7	Dryer G			
J1, J2, J3	Dryer J			
K1, K2, K3	Dryer K			
L1, L2, L3	Dryer L			
M1, M2, M3	Dryer M			
P1, P2, P3	Dryer P			
FUG-A2F	Packing/Shipping Bay			
FUG-A3F	Packing/Shipping Bay			
FUG-A6F	Packing/Shipping Bay			
Overall MSS SO_2 Emission Cap				
Q4501	Plant Flare MSS	SO_2	See Overall MSS SO_2 Emission Cap	
Planned MSS SO_2 Emission Subcap				
FUG-DW	Planned MSS	SO_2	See Planned MSS SO_2 Emission Subcap	
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall SO_2 Emission Cap		**SO_2**	**0.07**	**0.28**
Overall MSS SO_2 Emission Cap		**SO_2**	**<0.01**	**<0.01**
Planned MSS SO_2 Emission Subcap		**SO_2**	**<0.01**	**<0.01**

Emission Sources - Maximum Allowable Emission Rates

PM, PM_{10}, and $PM_{2.5}$ Sources			
Q4502	Thermal Oxidizer	PM PM_{10} $PM_{2.5}$	See Overall PM, PM_{10}, and $PM_{2.5}$ Emission Caps
FUG-DF	Plant Dryer Fugitives		
F-2A	Plant Dryer Fugitives		
F-2B	Plant Dryer Fugitives		
G-CDNZ	Plant Dryer Fugitives		
FUG-DJ	Plant Dryer Fugitives		
FUG-DK	Plant Dryer Fugitives		
DUG-DL	Plant Dryer Fugitives		
FUG-DM	Plant Dryer Fugitives		
FUG-DP	Plant Dryer Fugitives		
F-1, F-7	Dryer F		
G-1, G-7	Dryer G		
J1, J2, J3	Dryer J		
K1, K2, K3	Dryer K		
L1, L2, L3	Dryer L		
M1, M2, M3	Dryer M		
P1, P2, P3	Dryer P		
FUG-A2F	Packing/Shipping Bays		
FUG-A3F	Packing/Shipping Bays		
FUG-A6F	Packing/Shipping Bays		
T-5001	Cooling Tower No. 1		
T-5002	Cooling Tower No. 2		
T-5003	Cooling Tower No. 3		
T-5004	Cooling Tower No. 4		
Overall MSS PM, PM_{10}, and $PM_{2.5}$ Emission Caps			
Planned MSS PM, PM_{10}, and $PM_{2.5}$ Emission Subcaps		PM PM_{10} $PM_{2.5}$	See Overall MSS PM, PM_{10}, and $PM_{2.5}$ Emission Caps

Emission Sources - Maximum Allowable Emission Rates

Q4501	Planned MSS	PM PM_{10} $PM_{2.5}$	See Planned MSS PM, PM_{10}, and $PM_{2.5}$ Emission Subcaps	
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall PM Emission Cap		**PM**	**13.48**	**42.35**
Overall PM_{10} Emission Cap		**PM_{10}**	**7.88**	**25.48**
Overall $PM_{2.5}$ Emission Cap		**$PM_{2.5}$**	**1.30**	**4.41**
Overall MSS PM Emission Cap		**PM**	**0.13**	**<0.01**
Overall MSS PM_{10} Emission Cap		**PM_{10}**	**0.13**	**<0.01**
Overall MSS $PM_{2.5}$ Emission Cap		**$PM_{2.5}$**	**0.13**	**<0.01**
Planned MSS PM Emission Subcap		**PM**	**0.13**	**<0.01**
Planned MSS PM_{10} Emission Subcap		**PM_{10}**	**0.13**	**<0.01**
Planned MSS $PM_{2.5}$ Emission Subcap		**$PM_{2.5}$**	**0.13**	**<0.01**
VOC Sources				
Q4501	Plant Flare	VOC	See Overall VOC Emission Cap	
Q4502	Thermal Oxidizer			
LTX-16, C841A, C841B, Q4502-Inlet	Thermal Oxidizer By-Pass			
FUG-DF, F-2A, F-2B, F-CDNZ; FUG-DG, G-2A, G-2B, G-CDNZ; FUG-DJ; FUG-DK; FUG-DL; FUG-DM; FUG-DP	Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)			
LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP	Plant Dryers - Coagulation			
F-1, F-7	Dryer F			
G-1, G-7	Dryer G			
J1, J2, J3	Dryer J			
K1, K2, K3	Dryer K			
L1, L2, L3	Dryer L			
M1, M2, M3	Dryer M			
P1, P2, P3	Dryer P			
FUG-A2F, FUG-A3F, FUG-A6F	Packing/Shipping Bays			

Emission Sources - Maximum Allowable Emission Rates

LTX-17	Weir Box		
NLTXLDG	D8 Latex Loading		
FUG-B2	Monomer Recovery Area Fugitives (5)		
FUG-B3	B-3 Monomer Recovery		
RCT-FUG-C2	C-2 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
RCT-FUG-C3	C-3 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
FUG-D1	D1 Area Fugitives (5)		
FUG-D2	D2 Area Fugitives (5)		
FUG-D3	D3 Area Fugitives (5)		
FUG-D4	D4 Area Fugitives (5)		
FUG-D8	D8 Area Fugitives (5)		
FUG-DW	Decanter Water – Piping Fugitives (5)		
FUG-WW	Wastewater Fugitives (5)		
FUG-J1	J-1 Tank Farm Fugitives (5)		
FUG-J2	J-2 Tank Farm Fugitives (5)		
FUG-J2	J-3 Tank Farm Sampling		
CLEAN-B1A	B1A Vessel Cleaning		
CLEAN-B2	B2 Vessel Cleaning		
CLEAN-B3	B3 Vessel Cleaning		
CLEAN-C1	C1 Vessel Cleaning		
CLEAN-C2	C2 Vessel Cleaning		
CLEAN-C3	C3 Vessel Cleaning		
CLEAN-D8	D8 Vessel Cleaning		
CKEAN-J1	J1 Vessel Cleaning		
CLEAN-J2	J2 Vessel Cleaning		
-	Site-Wide Latex Storage Tanks		
F131	Styrene Storage Tank 31		
F132	Styrene Storage Tank 32		
F133	Styrene Storage Tank 33		
F134	Styrene Storage Tank 34		
FUGFUEL	Plant Fuel Transfers		
AUXCHEM	Auxiliary Chemical Vessels		
T-5001	Cooling Tower No. 1		

Emission Sources - Maximum Allowable Emission Rates

T-5002	Cooling Tower No. 2			
T-5003	Cooling Tower No. 3			
T-5004	Cooling Tower No. 4			
WWT	Waste Lagoon, Non-Aerated Basins			
WWT	Flocculation Basin, Tradewaste Inlet Settling Bay, and Aeration Basins			
SUMP-A2	Tradewaste Sump A2			
SUMP-A3	Tradewaste Sump A3			
SUMP-A6	Tradewaste Sump A6			
SUMP-B1	Tradewaste Sump B1			
SUMP-B2	Tradewaste Sump B2			
SUMP-B3	Tradewaste Sump B3			
SUMP-D3	D3 Collection Pit			
SUMP-D8	Tradewaste Sump D8			
A1LAB	Plant Laboratory			
Overall MSS VOC Emission Cap				
Q4501	Plant Flare MSS	VOC	See Overall MSS VOC Emission Cap	
Planned MSS VOC Emission Subcap				
DW-SUMP	Planned MSS	VOC	See Planned MSS VOC Emission Subcap	
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
6618-MSS/MISC	Miscellaneous MSS	VOC	2.63	1.45
6618-MSS/DEGAS	Uncontrolled MSS	VOC	2.89	0.11

Emission Sources - Maximum Allowable Emission Rates

Q4501	Plant Flare MSS	VOC	See Overall MSS VOC Emission Cap
Q4501	Planned MSS		
DW-SUMP	Planned MSS		
SUMP-A1	Planned MSS		
SUMP-A2	Planned MSS		
SUMP-A3	Planned MSS		
SUMP-A6	Planned MSS		
SUMP-B1	Planned MSS		
SUMP-B2	Planned MSS		
SUMP-B3	Planned MSS		
SUMP-D3	Planned MSS		
SUMP-D8	Planned MSS		
FUG-DW	Planned MSS		
FUG-DF	Planned MSS		
FUG-DG	Planned MSS		
FUG-DJ	Planned MSS		
FUG-DL	Planned MSS		
FUG-DM	Planned MSS		
FUG-DP	Planned MSS		
DW-SUMP	Planned MSS Subcap	VOC	See Planned MSS VOC Emission Subcap
SUMP-A1	Planned MSS Subcap		
SUMP-A2	Planned MSS Subcap		
SUMP-A3	Planned MSS Subcap		
SUMP-A6	Planned MSS Subcap		
SUMP-B1	Planned MSS Subcap		
SUMP-B2	Planned MSS Subcap		
SUMP-B3	Planned MSS Subcap		
SUMP-D3	Planned MSS Subcap		
SUMP-D8	Planned MSS Subcap		
FUG-DW	Planned MSS Subcap		
FUG-DF	Planned MSS Subcap		
FUG-DG	Planned MSS Subcap		
FUG-DJ	Planned MSS Subcap		
FUG-DL	Planned MSS Subcap		
FUG-DM	Planned MSS Subcap		
FUG-DP	Planned MSS Subcap		

Overall VOC Emission Cap

Emission Sources - Maximum Allowable Emission Rates

VOC	**432.90**	**372.21**	
Overall MSS VOC Emission Cap	**VOC**	**9.21**	**0.86**
Planned MSS VOC Emission Subcap	**VOC**	**1.16**	**0.06**
NH_3 Sources			
T-5002	Cooling Tower No. 2	NH_3	See Overall NH_3
T-5003	Cooling Tower No. 3		
WWT	Wastewater Treatment System		
NH3FUG	Sitewide Ammonia Fugitives (5)		
Overall NH_3 Emission Cap	**NH_3**	**7.58**	**31.53**
H_2SO_4 Sources			
SA-FUG	Sulfuric Acid Fugitives (5)	H_2SO_4	See Overall H_2SO_4
Overall H_2SO_4 Emission Cap	**H_2SO_4**	**0.39**	**1.70**
Butadiene Sources			
Q4501	Plant Flare	Butadiene	See Overall Butadiene
Q4502	Thermal Oxidizer		
LTX-16, C841A, C841B, Q4502-Inlet	Thermal Oxidizer By-Pass		
FUG-B2	Monomer Recovery Area Fugitives (5)		
FUG-B3	B-3 Monomer Recovery		
RCT-FUG-C2	C-2 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
RCT-FUG-C3	C-3 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
FUG-D2	D2 Area Fugitives (5)		
FUG-DW	Decanter Water – Piping Fugitives (5)		
FUG-J1	J-1 Tank Farm Fugitives (5)		
FUG-J2	J-2 Tank Farm Fugitives (5)		
FUG-J2	J-3 Tank Farm Sampling		
CLEAN-B1A	B1A Vessel Cleaning		
CLEAN-B2	B2 Vessel Cleaning		
CLEAN-B3	B3 Vessel Cleaning		
CLEAN-C1	C1 Vessel Cleaning		
CLEAN-C2	C2 Vessel Cleaning		
CLEAN-C3	C3 Vessel Cleaning		

Emission Sources - Maximum Allowable Emission Rates

CLEAN-D8	D8 Vessel Cleaning			
CLEAN-J1	J1 Vessel Cleaning			
CLEAN-J2	J2 Vessel Cleaning			
T-5001		Cooling Tower No. 1		
T-5002		Cooling Tower No. 2		
T-5003		Cooling Tower No. 3		
WWT Waste Lagoon, Non-Aerated Basins				
WWT	Flocculation Basin, Tradewaste Inlet Settling Bay, and Aeration Basins			
SUMP-A2	Tradewaste Sump A2			
SUMP-A3	Tradewaste Sump A3			
SUMP-A6	Tradewaste Sump A6			
SUMP-B1		Tradewaste Sump B1		
SUMP-B2 Tradewaste Sump B2				
SUMP-B3	Tradewaste Sump B3			
SUMP-D3		D3 Collection Pit		
SUMP-D8 Tradewaste Sump D8				
A1LAB	Plant Laboratory	Butadiene	See Overall MSS Butadiene	
Overall MSS Butadiene Emission Cap				
Q4501	Plant Flare MSS			
Planned MSS Butadiene Emission Subcap				

Emission Sources - Maximum Allowable Emission Rates

DW-SUMP	Planned MSS	Butadiene	See Planned MSS Butadiene
SUMP-A1	Planned MSS		
SUMP-A2	Planned MSS		
SUMP-A3	Planned MSS		
SUMP-A6	Planned MSS		
SUMP-B1	Planned MSS		
SUMP-B2	Planned MSS		
FUG-DW	Planned MSS		
FUG-DF	Planned MSS		
FUG-DG	Planned MSS		
FUG-DJ	Planned MSS		
FUG-DL	Planned MSS		
FUG-DM	Planned MSS		
FUG-DP	Planned MSS		
6618-MSS/MISC 0.02	Miscellaneous MSS	Butadiene	<0.01
6618-MSS/DEGAS 0.02	Uncontrolled MSS	Butadiene	0.46

Emission Sources - Maximum Allowable Emission Rates

Planned MSS Butadiene Emission Subcap				
[illegible]	[illegible]	Butadiene	[illegible] Subcap	
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
6618-MSS/MISC	Miscellaneous MSS	Butadiene	<0.01	0.02
6618-MSS/DEGAS	Uncontrolled MSS	Butadiene	0.46	0.02

Emission Sources - Maximum Allowable Emission Rates

Q4501	Planned MSS	Butadiene	See Overall MSS Butadiene Emission Cap	
DW-SUMP	Planned MSS			
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
SUMP-B3	Planned MSS			
SUMP-D3	Planned MSS			
SUMP-D8	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
DW-SUMP	Planned MSS Subcap	Butadiene	See Planned MSS Butadiene Emission Subcap	
SUMP-A1	Planned MSS Subcap			
SUMP-A2	Planned MSS Subcap			
SUMP-A3	Planned MSS Subcap			
SUMP-A6	Planned MSS Subcap			
SUMP-B1	Planned MSS Subcap			
SUMP-B2	Planned MSS Subcap			
SUMP-B3	Planned MSS Subcap			
SUMP-D3	Planned MSS Subcap			
SUMP-D8	Planned MSS Subcap			
FUG-DW	Planned MSS Subcap			
FUG-DF	Planned MSS Subcap			
FUG-DG	Planned MSS Subcap			
FUG-DJ	Planned MSS Subcap			
FUG-DL	Planned MSS Subcap			
FUG-DM	Planned MSS Subcap			
FUG-DP	Planned MSS Subcap			
Overall Butadiene Emission Cap		**Butadiene**	**10.91**	**16.62**

Emission Sources - Maximum Allowable Emission Rates

Overall MSS Butadiene Emission Cap		**Butadiene**	**6.05**	**0.64**
Planned MSS Butadiene Emission Subcap		**Butadiene**	**0.01**	**<0.01**
Butenes Sources				
Q4501	Plant Flare	Butenes	See Overall Butenes Emission Cap	
CLEAN-B1A	B1A Vessel Cleaning			
CLEAN-B2	B2 Vessel Cleaning			
CLEAN-B3	B3 Vessel Cleaning			
CLEAN-C1	C1 Vessel Cleaning			
CLEAN-C2	C2 Vessel Cleaning			
CLEAN-C3	C3 Vessel Cleaning			
CLEAN-D8	D8 Vessel Cleaning			
CKEAN-J1	J1 Vessel Cleaning			
CLEAN-J2	J2 Vessel Cleaning			
T-5001	Cooling Tower No. 1			
T-5002	Cooling Tower No. 2			
T-5003	Cooling Tower No. 3			
Overall MSS Butenes Emission Cap				
Q4501	Plant Flare MSS	Butenes	See Overall MSS Butenes Emission Cap	
6618-MSS/MISC	Miscellaneous MSS	Butenes	<0.01	<0.01
6618-MSS/DEGAS	Uncontrolled MSS	Butenes	0.14	0.01

Emission Sources - Maximum Allowable Emission Rates

Q4501	Planned MSS	Butenes	See Overall MSS Butenes Emission Cap	
DW-SUMP	Planned MSS			
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
SUMP-B3	Planned MSS			
SUMP-D3	Planned MSS			
SUMP-D8	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall Butenes Emission Cap		**Butenes**	**3.52**	**1.30**
Overall MSS Butenes Emission Cap		**Butenes**	**1.81**	**0.10**
Styrene Sources				
Q4501	Plant Flare	Styrene	See Overall Styrene Emission Cap	
Q4502	Thermal Oxidizer			
LTX-16, C841A, C841B, Q4502-Inlet	Thermal Oxidizer By-Pass			
FUG-DF, F-2A, F-2B, F-CDNZ; FUG-DG, G-2A, G-2B, G-CDNZ; FUG-DJ; FUG-DK; FUG-DL; FUG-DM; FUG-DP	Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)			
LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP	Plant Dryers - Coagulation			
F-1, F-7	Dryer F			
G-1, G-7	Dryer G			
J1, J2, J3	Dryer J			
K1, K2, K3	Dryer K			
L1, L2, L3	Dryer L			
M1, M2, M3	Dryer M			

Emission Sources - Maximum Allowable Emission Rates

P1, P2, P3	Dryer P		
FUG-A2F, FUG-A3F, FUG-A6F	Packing/Shipping Bays		
LTX-17	Weir Box		
NLTXLDG	D8 Latex Loading		
FUG-B2	Monomer Recovery Area Fugitives (5)		
FUG-B3	B-3 Monomer Recovery		
RCT-FUG-C2	C-2 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
RCT-FUG-C3	C-3 Polymer Area Fugitives (5)		
RCT-SAMP-FUG	Reactor Sampling		
FUG-D2	D2 Area Fugitives (5)		
FUG-D8	D8 Area Fugitives (5)		
FUG-DW	Decanter Water – Piping Fugitives (5)		
FUG-J1	J-1 Tank Farm Fugitives (5)		
FUG-J2	J-2 Tank Farm Fugitives (5)		
FUG-J2	J-3 Tank Farm Sampling		
CLEAN-B1A	B1A Vessel Cleaning		
CLEAN-B2	B2 Vessel Cleaning		
CLEAN-B3	B3 Vessel Cleaning		
CLEAN-C1	C1 Vessel Cleaning		
CLEAN-C2	C2 Vessel Cleaning		
CLEAN-C3	C3 Vessel Cleaning		
CLEAN-D8	D8 Vessel Cleaning		
CKEAN-J1	J1 Vessel Cleaning		
CLEAN-J2	J2 Vessel Cleaning		
-	Site-Wide Latex Storage Tanks		
F131	Styrene Storage Tank 31		
F132	Styrene Storage Tank 32		
F133	Styrene Storage Tank 33		
F134	Styrene Storage Tank 34		
T-5001	Cooling Tower No. 1		
T-5002	Cooling Tower No. 2		
T-5003	Cooling Tower No. 3		
T-5004	Cooling Tower No. 4		
WWT	Waste Lagoon, Non-Aerated		

Emission Sources - Maximum Allowable Emission Rates

	Basins		
WWT	Flocculation Basin, Tradewaste Inlet Settling Bay, and Aeration Basins		
SUMP-A2	Tradewaste Sump A2		
SUMP-A3	Tradewaste Sump A3		
SUMP-A6	Tradewaste Sump A6		
SUMP-B1	Tradewaste Sump B1		
SUMP-B2	Tradewaste Sump B2		
SUMP-B3	Tradewaste Sump B3		
SUMP-D3	D3 Collection Pit		
SUMP-D8	Tradewaste Sump D8		
A1LAB	Plant Laboratory		
Overall MSS Styrene Emission Cap			

Emission Sources - Maximum Allowable Emission Rates

Q4501	Plant Flare MSS	Styrene	See Overall MSS Styrene Emission Cap	
Planned MSS Styrene Emission Subcap				
DW-SUMP	Planned MSS	Styrene	See Planned MSS Styrene Emission Subcap	
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
6618-MSS/MISC	Miscellaneous MSS	Styrene	0.04	0.03
6618-MSS/DEGAS	Uncontrolled MSS	Styrene	2.29	0.09
Q4501	Planned MSS	Styrene	See Overall MSS Styrene Emission Cap	
DW-SUMP	Planned MSS			
SUMP-A1	Planned MSS			
SUMP-A2	Planned MSS			
SUMP-A3	Planned MSS			
SUMP-A6	Planned MSS			
SUMP-B1	Planned MSS			
SUMP-B2	Planned MSS			
SUMP-B3	Planned MSS			
SUMP-D3	Planned MSS			
SUMP-D8	Planned MSS			
FUG-DW	Planned MSS			
FUG-DF	Planned MSS			
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
DW-SUMP				

Emission Sources - Maximum Allowable Emission Rates

Planned MSS Subcap	Styrene	See Planned MSS Styrene Emission Subcap		
SUMP-A1	Planned MSS Subcap			
SUMP-A2	Planned MSS Subcap			
SUMP-A3	Planned MSS Subcap			
SUMP-A6	Planned MSS Subcap			
SUMP-B1	Planned MSS Subcap			
SUMP-B2	Planned MSS Subcap			
SUMP-B3	Planned MSS Subcap			
SUMP-D3	Planned MSS Subcap			
SUMP-D8	Planned MSS Subcap			
FUG-DW	Planned MSS Subcap			
FUG-DF	Planned MSS Subcap			
FUG-DG	Planned MSS Subcap			
FUG-DJ	Planned MSS Subcap			
FUG-DL	Planned MSS Subcap			
FUG-DM	Planned MSS Subcap			
FUG-DP	Planned MSS Subcap			
Overall Styrene Emission Cap	**Styrene**	**194.99**	**174.97**	
Overall MSS Styrene Emission Cap	**Styrene**	**1.02**	**0.10**	
Planned MSS Styrene Emission Subcap	**Styrene**	**1.00**	**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 Planned MSS Subcap.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
NH_3 - ammonia
H_2SO_4 - sulfuric acid

Emission Sources - Maximum Allowable Emission Rates

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 12, 2021