### 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	Emissi	on Rates
		Name (3)	lbs/hour	TPY (4)
NO <sub>x</sub> Sources				
Q4501	Plant Flare	NO <sub>X</sub>		erall NO <sub>x</sub>
Q4502	Thermal Oxidizer		Emission Cap	
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 <sub>x</sub> Emission Ca	р			
Q4501	Plant Flare MSS	NO <sub>X</sub>		all MSS NO <sub>x</sub>
Planned MSS NO <sub>x</sub> Emission S	ubcap		Emiss	ion Cap
FUG-DW	Planned MSS	NO <sub>X</sub>		ed MSS NO <sub>x</sub>
FUG-DF	Planned MSS		Emissio	n Subcap
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall NO <sub>x</sub> Emission Cap		NO <sub>x</sub>	13.54	50.61
Overall MSS NO <sub>x</sub> Emission C	ар	NO <sub>x</sub>	0.49	0.05
Planned MSS NO <sub>x</sub> Emission	Subcap	NO <sub>x</sub>	0.01	<0.01

CO Sources				
Q4501	Plant Flare	СО		Overall CO
Q4502	Thermal Oxidizer		En	nission Cap
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 Emissi	on Cap			
Q4501	Plant Flare MSS	СО		verall MSS CO
Planned MSS CO Emiss	sion Subcap		En	nission Cap
FUG-DW	Planned MSS	СО		anned MSS CO
FUG-DF	Planned MSS		Emis	ssion Subcap
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall CO Emission C	Сар	СО	16.08	48.77
Overall MSS CO Emiss	sion Cap	СО	2.54	0.25
Planned MSS CO Emis	sion Subcap	СО	0.16	<0.01

SO₂ Sources				
Q4501	Plant Flare	SO <sub>2</sub>		Overall SO <sub>2</sub>
Q4502	Thermal Oxidizer		Em	ission Cap
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 <sub>2</sub> Emiss	sion Cap			
Q4501	Plant Flare MSS	SO <sub>2</sub>		rerall MSS SO <sub>2</sub>
Planned MSS SO <sub>2</sub> Emis	ssion Subcap		Em	ission Cap
FUG-DW	Planned MSS	SO <sub>2</sub>		nned MSS SO <sub>2</sub>
FUG-DF	Planned MSS		Emis	sion Subcap
FUG-DG	Planned MSS			
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall SO <sub>2</sub> Emission	Сар	SO <sub>2</sub>	0.07	0.28
Overall MSS SO <sub>2</sub> Emis	sion Cap	SO <sub>2</sub>	<0.01	<0.01
Planned MSS SO <sub>2</sub> Emi	ssion Subcap	SO <sub>2</sub>	<0.01	<0.01

PM, PM <sub>10</sub> , and PM <sub>2.5</sub> S	ources		
Q4502	Thermal Oxidizer	PM	See Overall
FUG-DF	Plant Dryer Fugitives	PM <sub>10</sub>	PM, PM <sub>10</sub> , and PM <sub>2.5</sub> Emission Caps
F-2A	Plant Dryer Fugitives		
F-2B	Plant Dryer Fugitives	PM <sub>2.5</sub>	
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 <sub>10</sub>	, and PM <sub>2.5</sub> Emission Caps		
		PM	
Planned MSS PM, PM <sub>1</sub>	<sub>.0</sub> , and PM <sub>2.5</sub> Emission Subcaps	PM <sub>10</sub>	See Overall MSS PM, PM <sub>10</sub> , and PM <sub>2.5</sub> Emission Caps
		PM <sub>2.5</sub>	

Q4501	Planned MSS	PM	See Planned MSS PM, PM <sub>10</sub>	
FUG-DW	Planned MSS	PM <sub>10</sub>	and Pivi <sub>2.5</sub>	Emission Subcaps
FUG-DF	Planned MSS	PM <sub>2.5</sub>		
FUG-DG	Planned MSS	_ 1 1412.5		
FUG-DJ	Planned MSS			
FUG-DL	Planned MSS			
FUG-DM	Planned MSS			
FUG-DP	Planned MSS			
Overall PM Emission Cap		РМ	13.48	42.35
Overall PM <sub>10</sub> Emission Cap		PM <sub>10</sub>	7.88	25.48
Overall PM <sub>2.5</sub> Emission Cap		PM <sub>2.5</sub>	1.30	4.41
Overall MSS PM Emission Cap		PM	0.13	<0.01
Overall MSS PM <sub>10</sub> Emission Ca	р	PM <sub>10</sub>	0.13	<0.01
Overall MSS PM <sub>2.5</sub> Emission Ca	Overall MSS PM <sub>2.5</sub> Emission Cap PM <sub>2.5</sub> 0.13		<0.01	
Planned MSS PM Emission Sub	осар	РМ	0.13	<0.01
Planned MSS PM <sub>10</sub> Emission Subcap		PM <sub>10</sub>	0.13	<0.01
Planned MSS PM <sub>2.5</sub> Emission Su	ubcap	PM <sub>2.5</sub>	0.13	<0.01
VOC Sources				
Q4501	Plant Flare	VOC		Overall VOC
Q4502	Thermal Oxidizer		Em	nission Cap
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-	Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)			
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 LC-VF; FUG-LCG;				
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL;	(F, G, J, K, L, M, and P Dryers)			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7 J1, J2, J3	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G  Dryer J			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7 J1, J2, J3 K1, K2, K3	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G  Dryer J  Dryer K			
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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7 J1, J2, J3 K1, K2, K3 L1, L2, L3	(F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G  Dryer J  Dryer K  Dryer L			

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

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	ı Сар			
Q4501	Plant Flare MSS	VOC		Overall MSS VOC
Planned MSS VOC Emission	on Subcap		E	Emission Cap
DW-SUMP	Planned MSS	VOC		lanned MSS VOC
SUMP-A1	Planned MSS		Em	nission Subcap
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

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

Overall VOC Emission Cap Project Number: 229370

VOC	432.90	372.21	
Overall MSS VOC Emission	VOC		
Сар		9.21	0.86
Planned MSS VOC Emission Subcap	VOC	1.16	0.06
NH₃ Sources			
T-5002	Cooling Tower No. 2	NH₃	See Overall NH₃
T-5003	Cooling Tower No. 3		
WWT	Wastewater Treatment System		
NH3FUG	Sitewide Ammonia Fugitives (5)		
Overall NH <sub>3</sub> Emission Cap	NH <sub>3</sub>	7.58	31.53
H₂SO₄ Sources			
SA-FUG	Sulfuric Acid Fugitives (5)	H₂SO₄	See Overall H <sub>2</sub> SO <sub>4</sub>
Overall H <sub>2</sub> SO <sub>4</sub> Emission Cap	H <sub>2</sub> SO <sub>4</sub>	0.39	1.70
Butadiene Sources			
Q4501	Plant Flare	Butadiene	See Overall Butadiene
Q4502	Thermal Oxidizer	Battatione	ded d veraii Baladierie
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		

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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			
Overall MSS Butadiene Emission Cap				
Q4501	Plant Flare MSS	Butadiene	See Overall MSS	Butadiene
Planned MSS Butadiene Emission Subcap				

SUMP-A1 SUMP-A2 Planned MSS SUMP-A3 Planned MSS SUMP-B1 Planned MSS SUMP-B2 Planned MSS FUG-DW Planned MSS FUG-DD Planned MSS FUG-DJ Planned MSS FUG-DL Planned MSS FUG-DL Planned MSS FUG-DM Planned MSS FUG-DW Planned MSS FUG-DL Planned MSS FUG-DL Planned MSS FUG-DW Planned MSS FUG-DW Planned MSS FUG-DL Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS FUG-DB Butadiene				
SUMP-A1 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-DD Planned MSS FUG-DJ Planned MSS FUG-DL Planned MSS FUG-DL Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS FUG-DL Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS O.02 MIscellaneous MSS Butadiene <0.01 6618-MSS/MISC 0.02 Butadiene 0.46	DW-SUMP	Planned MSS	Butadiene	See Planned MSS Butadiene
SUMP-A3         Planned MSS           SUMP-B1         Planned MSS           SUMP-B2         Planned MSS           FUG-DW         Planned MSS           FUG-DW         Planned MSS           FUG-DF         Planned MSS           FUG-DG         Planned MSS           FUG-DJ         Planned MSS           FUG-DD         Planned MSS           FUG-DP         Planned MSS           6618-MSS/MISC         Miscellaneous MSS           0.02         Miscellaneous MSS           Butadiene         <0.01	SUMP-A1	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-DM Planned MSS FUG-DM Planned MSS FUG-DM Planned MSS 6618-MSS/MISC 0.02 Miscellaneous MSS Butadiene <0.01 6618-MSS/DEGAS 0.02 0.46	SUMP-A2	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-DJ Planned MSS FUG-DJ Planned MSS FUG-DD Planned MSS FUG-DM Planned MSS FUG-DD Planned MSS 6618-MSS/MISC 0.02 Miscellaneous MSS 6618-MSS/DEGAS Uncontrolled MSS 0.02 Butadiene 0.46	SUMP-A3	Planned MSS		
SUMP-B2 Planned MSS FUG-DW Planned MSS FUG-DF Planned MSS FUG-DG Planned MSS FUG-DJ Planned MSS FUG-DU Planned MSS FUG-DH Planned MSS FUG-DP Planned MSS FUG-DP Planned MSS 6618-MSS/MISC 0.02 Miscellaneous MSS 0.02 Uncontrolled MSS Butadiene 0.46	SUMP-A6	Planned MSS		
FUG-DW Planned MSS FUG-DF Planned MSS FUG-DG Planned MSS FUG-DJ Planned MSS FUG-DL Planned MSS FUG-DL 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	SUMP-B1	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 0.02 Uncontrolled MSS Butadiene <0.01 Butadiene 0.46	SUMP-B2	Planned MSS		
FUG-DG Planned MSS FUG-DJ Planned MSS FUG-DL Planned MSS FUG-DM Planned MSS EUG-DP Planned MSS 6618-MSS/MISC 0.02 Miscellaneous MSS 0.02 Butadiene 0.46	FUG-DW	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 6618-MSS/DEGAS 0.02 Uncontrolled MSS  Butadiene 0.46	FUG-DF	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	FUG-DG	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	FUG-DJ	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	FUG-DL	Planned MSS		
6618-MSS/MISC 0.02 Miscellaneous MSS Butadiene <0.01 Butadiene 0.46	FUG-DM	Planned MSS		
0.02 MISCEILAITEUUS MISS Butadiene <0.01 6618-MSS/DEGAS 0.02 Uncontrolled MSS Butadiene 0.46	FUG-DP	Planned MSS		
0.02 Butadiene 0.46		Miscellaneous MSS	Butadiene	<0.01
		Uncontrolled MSS	Butadiene	0.46
Project Number: 229370				

Planned MSS Butadiene E	mission Subcap			
		Butaulerie		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

Q4501	Planned MSS	Butadiene	See Overall MSS Butadiene Emission Cap
DW-SUMP	Planned MSS		Emission Sup
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
SUMP-A1	Planned MSS Subcap		Emission 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	on Cap	Butadiene	10.91 16.62

Overall MSS Butadiene Emission Cap		Butadiene	6.05	0.64	
Planned MSS Butadiene Emission Subcap		Butadiene	0.01	<0.01	
<b>Butenes Sources</b>		·	·	·	
Q4501	Plant Flare	Butenes		verall Butenes	
CLEAN-B1A	B1A Vessel Cleaning		Emission Cap		
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 Emi	ssion 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	

Q4501	Planned MSS	Butenes	See Overall	MSS Butenes
DW-SUMP	Planned MSS		Emissi	on Cap
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			
FUG-DP Overall Butenes Emission Cap		Butenes	3.52	1.30
		Butenes Butenes	3.52 1.81	1.30 0.10
Overall Butenes Emission Cap				
Overall Butenes Emission Cap Overall MSS Butenes Emission			1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources	ı Сар	Butenes	1.81 See Over	0.10
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501	Cap Plant Flare	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass Plant Dryer Fugitives (5)	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet FUG-DF, F-2A, F-2B, F-CDNZ; FUG-DG, G-2A, G-2B, G-CDNZ; FUG-DJ; FUG-DK; FUG-DK; FUG-DK;	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass Plant Dryer Fugitives (5)	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet 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 LC-VF; FUG-LCG; FUG-LCK; FUG-LCL;	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet 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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass  Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet 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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass  Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet 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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCL; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass  Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G	Butenes	1.81 See Over	<b>0.10</b> all Styrene
Overall Butenes Emission Cap Overall MSS Butenes Emission Styrene Sources Q4501 Q4502 LTX-16, C841A, C841B, Q4502-Inlet 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 LC-VF; FUG-LCG; FUG-LCJ; FUG-LCK; FUG-LCH; FUG-LCM; FUG-LCP F-1, F-7 G-1, G-7 J1, J2, J3	Plant Flare Thermal Oxidizer Thermal Oxidizer By-Pass  Plant Dryer Fugitives (5) (F, G, J, K, L, M, and P Dryers)  Plant Dryers - Coagulation  Dryer F  Dryer G  Dryer J	Butenes	1.81 See Over	<b>0.10</b> all Styrene

P1, P2, P3	Dryer P
FUG-A2F, FUG-A3F, FUG-A6F	
LTX-17	Packing/Shipping Bays
	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

	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 C	Cap

Q4501	Plant Flare MSS	Styrene		II MSS Styrene
Planned MSS Styrene Emission	Subcap		Emis	sion Cap
DW-SUMP	Planned MSS	Styrene		ed MSS Styrene
SUMP-A1	Planned MSS		Emissi	on Subcap
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		II MSS Styrene
DW-SUMP	Planned MSS		Emis	sion Cap
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				

DW-SUMP Project Number: 229370

Planned MSS Subcap	Styrene	See Planned MSS		
(៩) ក្រុងន្ទែion point identification -	either specific equipment designation	n oßtyrrengenissiphum	ber from plot pl	an.
(3) MPG <sub>A2</sub> - volatile of	or fugitive sources, use area name o paniceppggggggagagdefined in Titl	p <b>irliaginie er seusces unaccap.</b> e 30 Texas Administrativ	ve Code § 101	1
NO <sub>x</sub> - total oxid	les of nitrogen Remed MSS Subcap	e oo rexas rammenan	0000 3 101.	-
				_
SUMP-A6 - total part	isulate matter suspended in the atn ficulate matter equal to or less than:	hosphere, including PM $_1$	and $PM_{2.5}$ , as	represented
SUMP-B1 represer	nelanned MSS Subcap		ricidaling i 1viz.s,	as
SUMP <sup>2</sup> 52 - particula	te matter equal to or less than 2.5 m Plamed MSS Subcap ponoxide	icrons in diameter		
SUMP₃B3 - ammonia	Planned MSS Subcan			
SUMP-D3 - sulfuric a	cid 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	

- (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