

ATTACHMENT A

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES EMISSION CAPS

Permit Nos. 21262 and PSD-TX-928

This table lists the maximum allowable emission caps 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)	lb/hr	<u>Emission Rates *</u> <u>TPY</u>
A308	Storage Tank	Benzene		
A309 (TA309)	Storage Tank	Benzene		
AP16	Storage Tank	Benzene		
AP17	Storage Tank	Benzene		
AP6	Storage Tank	Benzene		
AP8	Storage Tank	Benzene		
AR214 (A214)	Analyzer	Benzene		
AR299	Analyzer	Benzene		
AR300	Analyzer	Benzene		
AYARDOWS	Wastewater Collection	Benzene		
BARGE	Marine Loading	Benzene		
BENZENE1	Marine Loading	Benzene		
BENZENE2	Marine Loading	Benzene		
BENZENE4	Marine Loading	Benzene		
BYARDOWS	Wastewater Collection	Benzene		
CCLP	Wastewater Collection	Benzene		
COKEHCFUG	Fugitives (4)	Benzene		
CPI1	Wastewater Collection	Benzene		
CPI2	Wastewater Collection	Benzene		
CR3AN1	Analyzer	Benzene		
CR3AN2	Analyzer	Benzene		
CRUDE	Marine Loading	Benzene		
CYARDOWS	Wastewater Collection	Benzene		
DAOWS	Wastewater Collection	Benzene		
DD2	Wastewater Collection	Benzene		
DOCK1	Marine Loading	Benzene		
DOCK2	Marine Loading	Benzene		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
DOCK4	Marine Loading	Benzene		
DOCKF	Fugitives (4)	Benzene		
DOCKS	Wastewater Collection	Benzene		
DYARDOWS	Wastewater Collection	Benzene		
ENVNOF	Fugitives (4)	Benzene		
F314	Storage Tank	Benzene		
F315	Storage Tank	Benzene		
F316	Storage Tank	Benzene		
F317	Storage Tank	Benzene		
F338	Storage Tank	Benzene		
FEFUGDISP	Fugitives (4)	Benzene		
FEFUGDU2	Fugitives (4)	Benzene		
FEFUGDU3	Fugitives (4)	Benzene		
FEFUGTHCR	Fugitives (4)	Benzene		
FUGCCU	Fugitives (4)	Benzene		
FUGCFH	Fugitives (4)	Benzene		
FUGCR3	Fugitives (4)	Benzene		
FUGCR3TF	Fugitives (4)	Benzene		
FUGDHT	Fugitives (4)	Benzene		
FUGDU1	Fugitives (4)	Benzene		
FUGGFRAC	Fugitives (4)	Benzene		
FUGGR	Fugitives (4)	Benzene		
FUGHDU1	Fugitives (4)	Benzene		
FUGHP1	Fugitives (4)	Benzene		
FUGPLAT2	Fugitives (4)	Benzene		
FUGPSA	Fugitives (4)	Benzene		
FUGSGP	Fugitives (4)	Benzene		
FUGSHCU	Fugitives (4)	Benzene		
FUGSR6	Fugitives (4)	Benzene		
FUGSR7	Fugitives (4)	Benzene		
FUGSR8	Fugitives (4)	Benzene		
G308	Storage Tank	Benzene		
G309	Storage Tank	Benzene		
G310	Storage Tank	Benzene		
G311	Storage Tank	Benzene		
G313	Storage Tank	Benzene		

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant		Emission Rates	
		Name (3)	lb/hr	TPY	
G315	Storage Tank	Benzene			
G316	Storage Tank	Benzene			
G320	Storage Tank	Benzene			
G322	Storage Tank	Benzene			
G323	Storage Tank	Benzene			
G326	Storage Tank	Benzene			
G327	Storage Tank	Benzene			
G328	Storage Tank	Benzene			
G329	Storage Tank	Benzene			
G332	Storage Tank	Benzene			
G342	Storage Tank	Benzene			
G346	Storage Tank	Benzene			
G348	Storage Tank	Benzene			
G355	Storage Tank	Benzene			
G357	Storage Tank	Benzene			
G358	Storage Tank	Benzene			
G360	Storage Tank	Benzene			
GIRBOTWW	Wastewater Collection	Benzene			
GOHTHCFUG	Fugitives (4)	Benzene			
HVIEWS	Wastewater Collection	Benzene			
J303B	Storage Tank	Benzene			
J304	Storage Tank	Benzene			
J308	Storage Tank	Benzene			
J309	Storage Tank	Benzene			
J310	Storage Tank	Benzene			
J311	Storage Tank	Benzene			
J312	Storage Tank	Benzene			
J315	Storage Tank	Benzene			
J316	Storage Tank	Benzene			
J317	Storage Tank	Benzene			
J319	Storage Tank	Benzene			
J320	Storage Tank	Benzene			
J322	Storage Tank	Benzene			
J323	Storage Tank	Benzene			
J324	Storage Tank	Benzene			
J326	Storage Tank	Benzene			

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
J327	Storage Tank	Benzene		
J328	Storage Tank	Benzene		
J336	Storage Tank	Benzene		
J337	Storage Tank	Benzene		
J338	Storage Tank	Benzene		
J348	Storage Tank	Benzene		
J349	Storage Tank	Benzene		
K303	Storage Tank	Benzene		
K304	Storage Tank	Benzene		
L301	Storage Tank	Benzene		
L302	Storage Tank	Benzene		
L303	Storage Tank	Benzene		
L304	Storage Tank	Benzene		
LEUOWS	Wastewater Collection	Benzene		
LHT1FE	Fugitives (4)	Benzene		
LHT1OWS	Wastewater Collection	Benzene		
LHT2FE	Fugitives (4)	Benzene		
LHT2OWS	Wastewater Collection	Benzene		
LOADOWS	Wastewater Collection	Benzene		
LUGGERPN	Storage Tank	Benzene		
MANHOLE4	Wastewater Collection	Benzene		
MVIDEASS	Wastewater Collection	Benzene		
MVIOWS	Wastewater Collection	Benzene		
NAB	North Aeration Basin	Benzene		
NDAF	Wastewater Collection	Benzene		
OWATCTF	Wastewater Collection	Benzene		
OWDU1	Wastewater Collection	Benzene		
P301	Storage Tank	Benzene		
SAB	North Aeration Basin	Benzene		
S412	Storage Tank	Benzene		
SDAF	Wastewater Collection	Benzene		
SR3/4WW	Wastewater Collection	Benzene		
SS301	Storage Tank	Benzene		
SS376	Storage Tank	Benzene		
SS377	Storage Tank	Benzene		
SS378	Storage Tank	Benzene		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
SS379	Storage Tank	Benzene		
SS403	Storage Tank	Benzene		
T1F323	Storage Tank	Benzene		
T1F324	Storage Tank	Benzene		
T1F329	Storage Tank	Benzene		
T1F330	Storage Tank	Benzene		
T301	Storage Tank	Benzene		
T302	Storage Tank	Benzene		
TA301	Storage Tank	Benzene		
TA305	Storage Tank	Benzene		
TA306	Storage Tank	Benzene		
TA307	Storage Tank	Benzene		
TA310	Storage Tank	Benzene		
TA311	Storage Tank	Benzene		
TA312	Storage Tank	Benzene		
TA313	Storage Tank	Benzene		
TA314	Storage Tank	Benzene		
TA315	Storage Tank	Benzene		
TA316	Storage Tank	Benzene		
TA317	Storage Tank	Benzene		
TA318	Storage Tank	Benzene		
TA319	Storage Tank	Benzene		
TA320	Storage Tank	Benzene		
TA321	Storage Tank	Benzene		
TA322	Storage Tank	Benzene		
TA324	Storage Tank	Benzene		
TA325	Storage Tank	Benzene		
TA326	Storage Tank	Benzene		
TA329	Storage Tank	Benzene		
TA330	Storage Tank	Benzene		
TA331	Storage Tank	Benzene		
TA332	Storage Tank	Benzene		
TA334	Storage Tank	Benzene		
TC&G	Wastewater Collection	Benzene		
TG324	Storage Tank	Benzene		
TG362	Storage Tank	Benzene		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
TJ321	Storage Tank	Benzene		
TJ333	Storage Tank	Benzene		
TJ334	Storage Tank	Benzene		
TJ335	Storage Tank	Benzene		
TJ339	Storage Tank	Benzene		
TK305	Storage Tank	Benzene		
TRKLFIL	Wastewater Collection	Benzene		
TRKLSMP	Wastewater Collection	Benzene		
WAXPTOWS	Wastewater Collection	Benzene		
WAXPTWAX	Wastewater Collection	Benzene		
WAXSKMC	Wastewater Collection	Benzene		
WPFLARE	West Property Flare	Benzene		
X311	Storage Tank	Benzene		
X312	Storage Tank	Benzene		
X313	Storage Tank	Benzene		
X315	Storage Tank	Benzene		
X316	Wastewater Collection	Benzene		
X320	Storage Tank	Benzene		
X321	Storage Tank	Benzene		
X324	Storage Tank	Benzene		
X325	Storage Tank	Benzene		
X326	Storage Tank	Benzene		
X327	Storage Tank	Benzene		
X328	Storage Tank	Benzene		
X330	Wastewater Collection	Benzene		
X330SM	Wastewater Collection	Benzene		
INITIAL EMISSIONS CAP		Benzene	13.6	32.2
FINAL EMISSIONS CAP		Benzene	13.3	32.0
A1005	Flare	CO		
A1006	Vent	CO		
A1660B	SR-3/4 Incinerator	CO		
AE2340	Engine	CO		
AE2636	Engine	CO		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
AE2650	Engine	CO	
AE348	Engine	CO	
AE349	Engine	CO	
AE388	Engine	CO	
AE389	Engine	CO	
AE700	Engine	CO	
AE768	Engine	CO	
C070	Engine	CO	
C093	Engine	CO	
C094	Engine	CO	
C095	Engine	CO	
COKEFLARE	Coker Flare	CO	
EPFLARE	East Property Flare	CO	
FLARELHT	Flare	CO	
FLARELUB	Flare	CO	
FLNFLARE	North Property Flare	CO	
H1000	Furnace	CO	
H1001	Furnace	CO	
H1010	Furnace	CO	
H1011	Furnace	CO	
H1100	Furnace	CO	
H1130	Heater	CO	
H1170	Furnace	CO	
H5100	Furnace	CO	
H5101	Furnace	CO	
H5102	Furnace	CO	
H5103	Furnace	CO	
H5200	Furnace	CO	
H5301/4	Heater	CO	
H5302/3	Heater	CO	
H5305	Furnace	CO	
H5400	Furnace	CO	
H5402	Furnace	CO	
H5403	Furnace	CO	
H5500A	Furnace	CO	
H5500B	Furnace	CO	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
H5500C	Furnace	CO		
H5600	Furnace	CO		
H600	CO Boiler	CO		
H613	Heater	CO		
H63000	Heater	CO		
H753	Heater	CO		
H754	Heater	CO		
H755	Heater	CO		
H775	Heater	CO		
H780	Heater	CO		
H781	Heater	CO		
H8	Heater	CO		
H850S1	Heater	CO		
H850S2	Heater	CO		
H9150	Heater	CO		
HCOKE	Furnace	CO		
HCOKER2	Heater	CO		
HGOHT	Furnace	CO		
HPOSTFRAC	Heater	CO		
HPREFLASH	Heater	CO		
HPREFLASH2	Heater	CO		
N FLARE	CCU FLARE	CO		
SR5STACK	Tail Gas Incinerator	CO		
SR6STACK	Tail Gas Incinerator	CO		
SR7STACK	Tail Gas Incinerator	CO		
SR8STACK	Tail gas incinerator	CO		
WPFLARE	West Property Flare	CO		
	INITIAL EMISSIONS CAP	CO	1347.8	5895.3
	FINAL EMISSIONS CAP	CO	1347.8	5895.3
A1005	Flare	H ₂ S		
A1284	Analyzer	H ₂ S		
A1660B	SR-3/4 Incinerator	H ₂ S		
A1746N	Analyzer	H ₂ S		
A1760	Analyzer	H ₂ S		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
A330	Analyzer	H ₂ S		
A3344	Analyzer	H ₂ S		
A422	Analyzer	H ₂ S		
A759	Analyzer	H ₂ S		
A9267	Analyzer	H ₂ S		
A9268	Analyzer	H ₂ S		
AP16	Storage Tank	H ₂ S		
AP17	Storage Tank	H ₂ S		
AYARDFE	Fugitives (4)	H ₂ S		
BARGE	Marine Loading	H ₂ S		
BENZENE1	Marine Loading	H ₂ S		
BENZENE2	Marine Loading	H ₂ S		
BENZENE4	Marine Loading	H ₂ S		
BYARDFE	Fugitives (4)	H ₂ S		
C9150/51	Vent	H ₂ S		
C9150/51	Vent	H ₂ S		
C9152/53	Vent	H ₂ S		
C9152/53	Vent	H ₂ S		
COKEHCFUG	Fugitives (4)	H ₂ S		
CRUDE	Marine Loading	H ₂ S		
CYARDFE	Fugitives (4)	H ₂ S		
DOCK1	Marine Loading	H ₂ S		
DOCK2	Marine Loading	H ₂ S		
DOCK4	Marine Loading	H ₂ S		
DOCKF	Fugitives (4)	H ₂ S		
DW113	Storage Tank	H ₂ S		
DW114	Storage Tank	H ₂ S		
DW129	Storage Tank	H ₂ S		
DW214	Storage Tank	H ₂ S		
DYARDFE	Fugitives (4)	H ₂ S		
EPFLARE	East Property Flare	H ₂ S		
EX91	Storage Tank	H ₂ S		
EX92	Storage Tank	H ₂ S		
EX93	Storage Tank	H ₂ S		
EX94	Storage Tank	H ₂ S		
EX95	Storage Tank	H ₂ S		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
EX96	Storage Tank	H ₂ S		
EX97	Storage Tank	H ₂ S		
F338	Storage Tank	H ₂ S		
F340	Storage Tank	H ₂ S		
FEALKY	Fugitives (4)	H ₂ S		
FEFUGDISP	Fugitives (4)	H ₂ S		
FEFUGDU2	Fugitives (4)	H ₂ S		
FEFUGTHCR	Fugitives (4)	H ₂ S		
FLARELHT	Flare	H ₂ S		
FLARELUB	Flare	H ₂ S		
FP187	Storage Tank	H ₂ S		
FP188	Storage Tank	H ₂ S		
FUGCCU	Fugitives (4)	H ₂ S		
FUGCFH	Fugitives (4)	H ₂ S		
FUGCR3	Fugitives (4)	H ₂ S		
FUGCR3TF	Fugitives (4)	H ₂ S		
FUGDHT	Fugitives (4)	H ₂ S		
FUGDU1	Fugitive	H ₂ S		
FUGGFRAC	Fugitives (4)	H ₂ S		
FUGGR	Fugitives (4)	H ₂ S		
FUGHDU1	Fugitives (4)	H ₂ S		
FUGHP1	Fugitives (4)	H ₂ S		
FUGPLAT2	Fugitives (4)	H ₂ S		
FUGPOSTFRAC	Fugitives (4)	H ₂ S		
FUGSGP	Fugitives (4)	H ₂ S		
FUGSHCU	Fugitives (4)	H ₂ S		
FUGSR6	Fugitives (4)	H ₂ S		
FUGSR7	Fugitives (4)	H ₂ S		
FUGSR8	Fugitives (4)	H ₂ S		
G332	Storage Tank	H ₂ S		
GIRBOTFE	Fugitive	H ₂ S		
GOHTHCFUG	Fugitives (4)	H ₂ S		
HVIFE	Fugitive	H ₂ S		
J317	Storage Tank	H ₂ S		
J318B (J318)	Storage Tank	H ₂ S		
J325	Storage Tank	H ₂ S		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
J326	Storage Tank	H ₂ S		
J327	Storage Tank	H ₂ S		
J328	Storage Tank	H ₂ S		
J329	Storage Tank	H ₂ S		
J331	Storage Tank	H ₂ S		
J332	Storage Tank	H ₂ S		
J348	Storage Tank	H ₂ S		
J349	Storage Tank	H ₂ S		
L2COMPVT	Vent	H ₂ S		
LDSULF67	SR6 and SR7 Loading Rack	H ₂ S		
LHT1FE	Fugitive	H ₂ S		
LHT10WS	Wastewater Collection	H ₂ S		
LHT2FE	Fugitive	H ₂ S		
LHT20WS	Wastewater Collection	H ₂ S		
LUBL0DFE	Fugitives (4)	H ₂ S		
LUGGERPN	Storage Tank	H ₂ S		
MVIDEASS	Wastewater Collection	H ₂ S		
MVIFE	Fugitive	H ₂ S		
N FLARE	CCU FLARE	H ₂ S		
RKLTC/TT	Load	H ₂ S		
S339	Storage Tank	H ₂ S		
S429	Storage Tank	H ₂ S		
SR3/4PIT	SR3/4 Sulfur Pit	H ₂ S		
SR5FUG	Fugitives (4)	H ₂ S		
SR5L01	SR5 Loading Rack	H ₂ S		
(SR5L01)				
SR5L02	SR5 Loading Rack	H ₂ S		
(SR5L02)				
SR5STACK	Tail Gas Incinerator	H ₂ S		
SR6STACK	Tail Gas Incinerator	H ₂ S		
SR7STACK	Tail Gas Incinerator	H ₂ S		
SR8STACK	Tail gas incinerator	H ₂ S		
SRTT	SR3/4 Loading Rack	H ₂ S		
SS343	Storage Tank	H ₂ S		
SULFUR	SR5 Sulfur Pit	H ₂ S		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
TA301	Storage Tank	H ₂ S		
TA305	Storage Tank	H ₂ S		
TA306	Storage Tank	H ₂ S		
TA307	Storage Tank	H ₂ S		
TA310	Storage Tank	H ₂ S		
TA311	Storage Tank	H ₂ S		
TA312	Storage Tank	H ₂ S		
TA313	Storage Tank	H ₂ S		
TA314	Storage Tank	H ₂ S		
TA315	Storage Tank	H ₂ S		
TA316	Storage Tank	H ₂ S		
TA317	Storage Tank	H ₂ S		
TA318	Storage Tank	H ₂ S		
TA319	Storage Tank	H ₂ S		
TA320	Storage Tank	H ₂ S		
TA321	Storage Tank	H ₂ S		
TA322	Storage Tank	H ₂ S		
TA324	Storage Tank	H ₂ S		
TA325	Storage Tank	H ₂ S		
TA326	Storage Tank	H ₂ S		
TA329	Storage Tank	H ₂ S		
TA330	Storage Tank	H ₂ S		
TA331	Storage Tank	H ₂ S		
TA332	Storage Tank	H ₂ S		
TA334	Storage Tank	H ₂ S		
TG324	Storage Tank	H ₂ S		
TG362	Storage Tank	H ₂ S		
TJ321	Storage Tank	H ₂ S		
TJ339	Storage Tank	H ₂ S		
TSR67	Molten Sulfur Tank	H ₂ S		
US141	Storage Tank	H ₂ S		
US142	Storage Tank	H ₂ S		
US143	Storage Tank	H ₂ S		
US144	Storage Tank	H ₂ S		
US145	Storage Tank	H ₂ S		
US149	Storage Tank	H ₂ S		

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
US150	Storage Tank	H ₂ S		
V1813	Vent	H ₂ S		
V8601	Analyzer	H ₂ S		
VA03	Storage Tank	H ₂ S		
VA04	Storage Tank	H ₂ S		
VA15	Storage Tank	H ₂ S		
VA16	Storage Tank	H ₂ S		
VA21	Storage Tank	H ₂ S		
VA22	Storage Tank	H ₂ S		
VA23	Storage Tank	H ₂ S		
VA24	Storage Tank	H ₂ S		
VA28	Storage Tank	H ₂ S		
VA40	Storage Tank	H ₂ S		
VA41	Storage Tank	H ₂ S		
VA42	Storage Tank	H ₂ S		
VA43	Storage Tank	H ₂ S		
WAXPLTFE	Fugitives (4)	H ₂ S		
WPFLARE	West Property Flare	H ₂ S		
X313	Storage Tank	H ₂ S		
	INITIAL EMISSIONS CAP	H ₂ S	35.0	119.1
	FINAL EMISSIONS CAP	H ₂ S	34.9	119.0
AYARDOWS	Wastewater Collection	NH ₃		
BYARDOWS	Wastewater Collection	NH ₃		
CCLP	Wastewater Collection	NH ₃		
COKEHCFUG	Fugitives (4)	NH ₃		
CPI1	Wastewater Collection	NH ₃		
CPI2	Wastewater Collection	NH ₃		
CYARDOWS	Wastewater Collection	NH ₃		
DAOWS	Wastewater Collection	NH ₃		
DD2	Wastewater Collection	NH ₃		
DOCKF	Fugitives (4)	NH ₃		
DOCKS	Wastewater Collection	NH ₃		
DYARDOWS	Wastewater Collection	NH ₃		
FEFUGDISP	Fugitives (4)	NH ₃		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
FEFUGDU2	Fugitives (4)	NH ₃	
FUGCCU	Fugitives (4)	NH ₃	
FUGCR3	Fugitives (4)	NH ₃	
FUGDHT	Fugitives (4)	NH ₃	
FUGHDU1	Fugitives (4)	NH ₃	
FUGSR6	Fugitives (4)	NH ₃	
FUGSR7	Fugitives (4)	NH ₃	
FUGSR8	Fugitives (4)	NH ₃	
GIRBOTWW	Wastewater Collection	NH ₃	
HVIFE	Fugitives (4)	NH ₃	
HVIEWS	Wastewater Collection	NH ₃	
J318	Storage Tank	NH ₃	
LEUOWS	Wastewater Collection	NH ₃	
LHT1FE	Fugitives (4)	NH ₃	
LHT1OWS	Wastewater Collection	NH ₃	
LHT2OWS	Wastewater Collection	NH ₃	
LOADOWS	Wastewater Collection	NH ₃	
MANHOLE4	Wastewater Collection	NH ₃	
MVIDEASS	Wastewater Collection	NH ₃	
MVIFE	Fugitives (4)	NH ₃	
MVIEWS	Wastewater Collection	NH ₃	
NAB	North Aeration Basin	NH ₃	
NDAF	Wastewater Collection	NH ₃	
OWATCTF	Wastewater Collection	NH ₃	
OWDU1	Wastewater Collection	NH ₃	
SAB	South Aeration Basin	NH ₃	
S429	Storage Tank	NH ₃	
SDAF	Wastewater Collection	NH ₃	
SR3/4WW	Wastewater Collection	NH ₃	
T301	Storage Tank	NH ₃	
T302	Storage Tank	NH ₃	
TC&G	Wastewater Collection	NH ₃	
TRKLFIL	Wastewater Collection	NH ₃	
TRKLSMP	Wastewater Collection	NH ₃	
WAXPTOWS	Wastewater Collection	NH ₃	
WAXPTWAX	Wastewater Collection	NH ₃	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
WAXSKMC	Wastewater Collection	NH ₃		
X311	Storage Tank	NH ₃		
X312	Storage Tank	NH ₃		
X316	Wastewater Collection	NH ₃		
X330	Wastewater Collection	NH ₃		
X330SM	Wastewater Collection	NH ₃		
	INITIAL EMISSIONS CAP	NH ₃	0.94	4.10
	FINAL EMISSIONS CAP	NH ₃	0.94	4.10
A1005	Flare	NO _x		
A1660B	SR-3/4 Incinerator	NO _x		
AE2340	Engine	NO _x		
AE2636	Engine	NO _x		
AE2650	Engine	NO _x		
AE348	Engine	NO _x		
AE349	Engine	NO _x		
AE388	Engine	NO _x		
AE389	Engine	NO _x		
AE700	Engine	NO _x		
AE768	Engine	NO _x		
C070	Engine	NO _x		
C093	Engine	NO _x		
C094	Engine	NO _x		
C095	Engine	NO _x		
COKEFLARE	Coker Flare	NO _x		
EPFLARE	East Property Flare	NO _x		
FLARELHT	Flare	NO _x		
FLARELUB	Flare	NO _x		
FLNFLARE	North Property Flare	NO _x		
H1000	Furnace	NO _x		
H1001	Furnace	NO _x		
H1010	Furnace	NO _x		
H1011	Furnace	NO _x		
H1100	Furnace	NO _x		
H1130	Heater	NO _x		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
H1170	Furnace	NO _x	
H5100	Furnace	NO _x	
H5101	Furnace	NO _x	
H5102	Furnace	NO _x	
H5103	Furnace	NO _x	
H5200	Furnace	NO _x	
H5301/4	Heater	NO _x	
H5302/3	Heater	NO _x	
H5305	Furnace	NO _x	
H5400	Furnace	NO _x	
H5402	Furnace	NO _x	
H5403	Furnace	NO _x	
H5500A	Furnace	NO _x	
H5500B	Furnace	NO _x	
H5500C	Furnace	NO _x	
H5600	Furnace	NO _x	
H600	CO Boiler	NO _x	
H613	Heater	NO _x	
H63000	Heater	NO _x	
H753	Heater	NO _x	
H754	Heater	NO _x	
H755	Heater	NO _x	
H775	Heater	NO _x	
H780	Heater	NO _x	
H781	Heater	NO _x	
H8	Heater	NO _x	
H850S1	Heater	NO _x	
H850S2	Heater	NO _x	
H9150	Heater	NO _x	
HCOKE	Furnace	NO _x	
HCOKER2	Heater	NO _x	
HGOHT	Furnace	NO _x	
HPOSTFRAC	Heater	NO _x	
HPREFFLASH	Heater	NO _x	
HPREFFLASH2	Heater	NO _x	
N FLARE	CCU FLARE	NO _x	

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant		Emission Rates	
		Name (3)	lb/hr	TPY	
SR5STACK	Tail Gas Incinerator	NO _x			
SR6STACK	Tail Gas Incinerator	NO _x			
SR7STACK	Tail Gas Incinerator	NO _x			
SR8STACK	Tail gas incinerator	NO _x			
WPFLARE	West Property Flare	NO _x			
	INITIAL EMISSIONS CAP	NO _x	818.1	3453.1	
	FINAL EMISSIONS CAP	NO _x	773.4	3257.0	
A1660B	SR-3/4 Incinerator	PM			
AE2340	Engine	PM			
AE2636	Engine	PM			
AE2650	Engine	PM			
AE348	Engine	PM			
AE349	Engine	PM			
AE388	Engine	PM			
AE389	Engine	PM			
AE700	Engine	PM			
AE768	Engine	PM			
C070	Engine	PM			
C093	Engine	PM			
C094	Engine	PM			
C095	Engine	PM			
COKEPMFUG1	Fugitives (4)	PM			
COKEPMFUG1A	Fugitives (4)	PM			
COKEPMFUG2	Fugitives (4)	PM			
COKEPMFUG3	Fugitives (4)	PM			
COKEPMFUG4	Fugitives (4)	PM			
COKEPMFUG5	Fugitives (4)	PM			
COKEPMFUG6	Fugitives (4)	PM			
COKEPMFUG7	Fugitives (4)	PM			
CWT10	Cooling Tower (4)	PM			
CWT11	Cooling Tower (4)	PM			
CWT12	Cooling Tower (4)	PM			
CWT15	Cooling Tower (4)	PM			
CWT16/16A	Cooling Tower (4)	PM			

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
CWT17	Cooling Tower (4)	PM	
CWT18	Cooling Tower (4)	PM	
CWT7	Cooling Tower (4)	PM	
CWT8	Cooling Tower (4)	PM	
CWT8A	Cooling Tower (4)	PM	
CWT9	Cooling Tower (4)	PM	
H1000	Furnace	PM	
H1001	Furnace	PM	
H1010	Furnace	PM	
H1011	Furnace	PM	
H1100	Furnace	PM	
H1130	Heater	PM	
H1170	Furnace	PM	
H5100	Furnace	PM	
H5101	Furnace	PM	
H5102	Furnace	PM	
H5103	Furnace	PM	
H5200	Furnace	PM	
H5301/4	Heater	PM	
H5302/3	Heater	PM	
H5305	Furnace	PM	
H5400	Furnace	PM	
H5402	Furnace	PM	
H5403	Furnace	PM	
H5500A	Furnace	PM	
H5500B	Furnace	PM	
H5500C	Furnace	PM	
H5600	Furnace	PM	
H600	CO Boiler	PM	
H613	Heater	PM	
H63000	Heater	PM	
H753	Heater	PM	
H754	Heater	PM	
H755	Heater	PM	
H775	Heater	PM	
H780	Heater	PM	

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates	
		lb/hr		TPY	
H781	Heater	PM			
H8	Heater	PM			
H850S1	Heater	PM			
H850S2	Heater	PM			
H9150	Heater	PM			
HCOKE	Furnace	PM			
HCOKER2	Heater	PM			
HGOHT	Furnace	PM			
HPOSTFRAC	Heater	PM			
HPREFFLASH	Heater	PM			
HPREFFLASH2	Heater	PM			
SR5STACK	Tail Gas Incinerator	PM			
SR6STACK	Tail Gas Incinerator	PM			
SR7STACK	Tail Gas Incinerator	PM			
SR8STACK	Tail gas incinerator	PM			
INITIAL EMISSIONS CAP		PM	205.3	893.9	
FINAL EMISSIONS CAP		PM	91.4	395.1	
A1005	Flare	SO ₂			
A1660B	SR-3/4 Incinerator	SO ₂			
A1745	Analyzer	SO ₂			
AE2340	Engine	SO ₂			
AE2636	Engine	SO ₂			
AE2650	Engine	SO ₂			
AE348	Engine	SO ₂			
AE349	Engine	SO ₂			
AE388	Engine	SO ₂			
AE389	Engine	SO ₂			
AE700	Engine	SO ₂			
AE768	Engine	SO ₂			
C070	Engine	SO ₂			
C093	Engine	SO ₂			
C094	Engine	SO ₂			
C095	Engine	SO ₂			
COKEFLARE	Coker Flare	SO ₂			

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
EPFLARE	East Property Flare	SO ₂		
FLARELHT	Flare	SO ₂		
FLARELUB	Flare	SO ₂		
H1000	Furnace	SO ₂		
H1001	Furnace	SO ₂		
H1010	Furnace	SO ₂		
H1011	Furnace	SO ₂		
H1100	Furnace	SO ₂		
H1130	Heater	SO ₂		
H1170	Furnace	SO ₂		
H5100	Furnace	SO ₂		
H5101	Furnace	SO ₂		
H5102	Furnace	SO ₂		
H5103	Furnace	SO ₂		
H5200	Furnace	SO ₂		
H5301/4	Heater	SO ₂		
H5302/3	Heater	SO ₂		
H5305	Furnace	SO ₂		
H5400	Furnace	SO ₂		
H5402	Furnace	SO ₂		
H5403	Furnace	SO ₂		
H5500A	Furnace	SO ₂		
H5500B	Furnace	SO ₂		
H5500C	Furnace	SO ₂		
H5600	Furnace	SO ₂		
H600	CO Boiler	SO ₂		
H613	Heater	SO ₂		
H63000	Heater	SO ₂		
H753	Heater	SO ₂		
H754	Heater	SO ₂		
H755	Heater	SO ₂		
H775	Heater	SO ₂		
H780	Heater	SO ₂		
H781	Heater	SO ₂		
H8	Heater	SO ₂		
H850S1	Heater	SO ₂		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
H850S2	Heater	SO ₂		
H9150	Heater	SO ₂		
HCOKE	Furnace	SO ₂		
HCOKER2	Heater	SO ₂		
HGOHT	Furnace	SO ₂		
HPOSTFRAC	Heater	SO ₂		
HPREFLASH	Heater	SO ₂		
HPREFLASH2	Heater	SO ₂		
N FLARE	CCU FLARE	SO ₂		
SR5STACK	Tail Gas Incinerator	SO ₂		
SR6STACK	Tail Gas Incinerator	SO ₂		
SR7STACK	Tail Gas Incinerator	SO ₂		
SR8STACK	Tail gas incinerator	SO₂		
WPFLARE	West Property Flare	SO ₂		
	INITIAL EMISSIONS CAP	SO ₂	3454.2	14586.1
	FINAL EMISSIONS CAP	SO ₂	3052.1	12824.9
A1005	Flare	VOC		
A1006	Vent	VOC		
A102	Analyzer	VOC		
A1284	Analyzer	VOC		
A1660B	SR-3/4 Incinerator	VOC		
A1745	Analyzer	VOC		
A1746N	Analyzer	VOC		
A1760	Analyzer	VOC		
A214	Analyzer	VOC		
A308	Storage Tank	VOC		
A309 (TA309)	Storage Tank	VOC		
A330	Analyzer	VOC		
A3344	Analyzer	VOC		
A422	Analyzer	VOC		
A553	Analyzer	VOC		
A554	Analyzer	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
A759	Analyzer	VOC	
A9267	Analyzer	VOC	
A9268	Analyzer	VOC	
AE2340	Engine	VOC	
AE2636	Engine	VOC	
AE2650	Engine	VOC	
AE348	Engine	VOC	
AE349	Engine	VOC	
AE388	Engine	VOC	
AE389	Engine	VOC	
AE700	Engine	VOC	
AE768	Engine	VOC	
AG1137	Analyzer	VOC	
AP1	Storage Tank	VOC	
AP16	Storage Tank	VOC	
AP17	Storage Tank	VOC	
AP2	Storage Tank	VOC	
AP4	Storage Tank	VOC	
AP5	Storage Tank	VOC	
AP6	Storage Tank	VOC	
AP7	Storage Tank	VOC	
AP8	Storage Tank	VOC	
AR299	Analyzer	VOC	
AR300	Analyzer	VOC	
AR329	Analyzer	VOC	
AT529	Vent	VOC	
AT665	Vent	VOC	
AYARDFE	Fugitives (4)	VOC	
AYARDOWS	Wastewater Collection	VOC	
BARGE	Marine Loading	VOC	
BENZENE1	Marine Loading	VOC	
BENZENE2	Marine Loading	VOC	
BENZENE4	Marine Loading	VOC	
BYARDFE	Fugitives (4)	VOC	
BYARDOWS	Wastewater Collection	VOC	
C9150/51	Vent	VOC	
C9152/53	Vent	VOC	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
CCLP	Wastewater Collection	VOC		
C070	Engine	VOC		
C093	Engine	VOC		
C094	Engine	VOC		
C095	Engine	VOC		
COKEFLARE	Coker Flare	VOC		
COKEHCFUG	Fugitives (4)	VOC		
CPI1	Wastewater Collection	VOC		
CPI2	Wastewater Collection	VOC		
CR3AN1	Analyzer	VOC		
CR3AN2	Analyzer	VOC		
CRUDE	Marine Loading	VOC		
CWT10	Cooling Tower (4)	VOC		
CWT11	Cooling Tower (4)	VOC		
CWT12	Cooling Tower (4)	VOC		
CWT15	Cooling Tower (4)	VOC		
CWT16/16A	Cooling Tower (4)	VOC		
CWT17	Cooling Tower (4)	VOC		
CWT18	Cooling Tower (4)	VOC		
CWT7	Cooling Tower (4)	VOC		
CWT8	CWT	VOC		
CWT8A	CWT	VOC		
CWT9	Cooling Tower (4)	VOC		
CYARDFE	Fugitives (4)	VOC		
CYARDOWS	Wastewater Collection	VOC		
D346	Storage Tank	VOC		
D347	Storage Tank	VOC		
D363	Storage Tank	VOC		
DA46	Storage Tank	VOC		
DA47	Storage Tank	VOC		
DA48	Storage Tank	VOC		
DA49	Storage Tank	VOC		
DA50	Storage Tank	VOC		
DAFE	Fugitive	VOC		
DAOWS	Wastewater Collection	VOC		
DD2	Wastewater Collection	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
DOCK1	Marine Loading	VOC		
DOCK2	Marine Loading	VOC		
DOCK4	Marine Loading	VOC		
DOCKF	Fugitives (4)	VOC		
DOCKS	Wastewater Collection	VOC		
DPXCHANG	Fugitive	VOC		
DW101	Storage Tank	VOC		
DW102	Storage Tank	VOC		
DW103	Storage Tank	VOC		
DW104	Storage Tank	VOC		
DW105	Storage Tank	VOC		
DW106	Storage Tank	VOC		
DW107	Storage Tank	VOC		
DW108	Storage Tank	VOC		
DW109	Storage Tank	VOC		
DW110	Storage Tank	VOC		
DW111	Storage Tank	VOC		
DW112	Storage Tank	VOC		
DW113	Storage Tank	VOC		
DW114	Storage Tank	VOC		
DW115	Storage Tank	VOC		
DW116	Storage Tank	VOC		
DW117	Storage Tank	VOC		
DW118	Storage Tank	VOC		
DW119	Storage Tank	VOC		
DW120	Storage Tank	VOC		
DW121	Storage Tank	VOC		
DW122	Storage Tank	VOC		
DW123	Storage Tank	VOC		
DW124	Storage Tank	VOC		
DW125	Storage Tank	VOC		
DW126	Storage Tank	VOC		
DW127	Storage Tank	VOC		
DW128	Storage Tank	VOC		
DW129	Storage Tank	VOC		
DW130	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
DW210	Storage Tank	VOC		
DW211	Storage Tank	VOC		
DW212	Storage Tank	VOC		
DW213	Storage Tank	VOC		
DW214	Storage Tank	VOC		
DYARDFE	Fugitives (4)	VOC		
DYARDOWS	Wastewater Collection	VOC		
ENVNOF	Fugitives (4)	VOC		
EPFLARE	East Property Flare	VOC		
EX51	Storage Tank	VOC		
EX52	Storage Tank	VOC		
EX53	Storage Tank	VOC		
EX54	Storage Tank	VOC		
EX55	Storage Tank	VOC		
EX56	Storage Tank	VOC		
EX57	Storage Tank	VOC		
EX58	Storage Tank	VOC		
EX59	Storage Tank	VOC		
EX60	Storage Tank	VOC		
EX61	Storage Tank	VOC		
EX62	Storage Tank	VOC		
EX71	Storage Tank	VOC		
EX72	Storage Tank	VOC		
EX73	Storage Tank	VOC		
EX74	Storage Tank	VOC		
EX75	Storage Tank	VOC		
EX81	Storage Tank	VOC		
EX82	Storage Tank	VOC		
EX83	Storage Tank	VOC		
EX84	Storage Tank	VOC		
EX85	Storage Tank	VOC		
EX86	Storage Tank	VOC		
EX91	Storage Tank	VOC		
EX92	Storage Tank	VOC		
EX93	Storage Tank	VOC		
EX94	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
EX95	Storage Tank	VOC		
EX96	Storage Tank	VOC		
EX97	Storage Tank	VOC		
F301	Storage Tank	VOC		
F302	Storage Tank	VOC		
F304	Storage Tank	VOC		
F314	Storage Tank	VOC		
F315	Storage Tank	VOC		
F316	Storage Tank	VOC		
F317	Storage Tank	VOC		
F325	Storage Tank	VOC		
F326	Storage Tank	VOC		
F338	Storage Tank	VOC		
F340	Storage Tank	VOC		
F364	Storage Tank	VOC		
F365	Storage Tank	VOC		
F366	Storage Tank	VOC		
F367	Storage Tank	VOC		
FEALKY	Fugitives (4)	VOC		
FEFUGDISP	Fugitives (4)	VOC		
FEFUGDU2	Fugitives (4)	VOC		
FEFUGDU3	Fugitives (4)	VOC		
FEFUGTHCR	Fugitives (4)	VOC		
FEGR200	Fugitives (4)	VOC		
FEMTBE	Fugitives (4)	VOC		
FILTERLK	Fugitive	VOC		
FLARELHT	Flare	VOC		
FLARELUB	Flare	VOC		
FLNFLARE	North Property Flare	VOC		
FP161	Storage Tank	VOC		
FP162	Storage Tank	VOC		
FP163	Storage Tank	VOC		
FP164	Storage Tank	VOC		
FP165	Storage Tank	VOC		
FP166	Storage Tank	VOC		
FP167	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant		Emission Rates	
		Name (3)	lb/hr	TPY	
FP168	Storage Tank	VOC			
FP169	Storage Tank	VOC			
FP170	Storage Tank	VOC			
FP171	Storage Tank	VOC			
FP172	Storage Tank	VOC			
FP173	Storage Tank	VOC			
FP174	Storage Tank	VOC			
FP175	Storage Tank	VOC			
FP176	Storage Tank	VOC			
FP177	Storage Tank	VOC			
FP178	Storage Tank	VOC			
FP179	Storage Tank	VOC			
FP180	Storage Tank	VOC			
FP181	Storage Tank	VOC			
FP182	Storage Tank	VOC			
FP183	Storage Tank	VOC			
FP184	Storage Tank	VOC			
FP185	Storage Tank	VOC			
FP186	Storage Tank	VOC			
FP187	Storage Tank	VOC			
FP188	Storage Tank	VOC			
FP189	Storage Tank	VOC			
FP190	Storage Tank	VOC			
FP191	Storage Tank	VOC			
FP192	Storage Tank	VOC			
FP193	Storage Tank	VOC			
FP194	Storage Tank	VOC			
FP195	Storage Tank	VOC			
FP200	Storage Tank	VOC			
FUGCCU	Fugitives (4)	VOC			
FUGCFH	Fugitives (4)	VOC			
FUGCR3	Fugitives (4)	VOC			
FUGCR3TF	Fugitives (4)	VOC			
FUGDHT	Fugitives (4)	VOC			
FUGDU1	Fugitive	VOC			
FUGGASTR	Fugitives (4)	VOC			

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant		Emission Rates	
		Name (3)	lb/hr	TPY	
FUGGFRAC	Fugitives (4)	VOC			
FUGGR	Fugitives (4)	VOC			
FUGHDU1	Fugitives (4)	VOC			
FUGHP1	Fugitives (4)	VOC			
FUGPLAT2	Fugitives (4)	VOC			
FUGPOSTFRAC	Fugitives (4)	VOC			
FUGPSA	Fugitives (4)	VOC			
FUGSGP	Fugitives (4)	VOC			
FUGSHCU	Fugitives (4)	VOC			
FUGSR6	Fugitives (4)	VOC			
FUGSR7	Fugitives (4)	VOC			
FUGSR8	Fugitives (4)	VOC			
G308	Storage Tank	VOC			
G309	Storage Tank	VOC			
G310	Storage Tank	VOC			
G311	Storage Tank	VOC			
G313	Storage Tank	VOC			
G314	Storage Tank	VOC			
G315	Storage Tank	VOC			
G316	Storage Tank	VOC			
G317	Storage Tank	VOC			
G319	Storage Tank	VOC			
G320	Storage Tank	VOC			
G322	Storage Tank	VOC			
G323	Storage Tank	VOC			
G326	Storage Tank	VOC			
G327	Storage Tank	VOC			
G328	Storage Tank	VOC			
G329	Storage Tank	VOC			
G332	Storage Tank	VOC			
G342	Storage Tank	VOC			
G345	Storage Tank	VOC			
G346	Storage Tank	VOC			
G347	Storage Tank	VOC			
G348	Storage Tank	VOC			
G352	Storage Tank	VOC			
G354	Storage Tank	VOC			

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
G355	Storage Tank	VOC		
G357	Storage Tank	VOC		
G358	Storage Tank	VOC		
G360	Storage Tank	VOC		
G361	Storage Tank	VOC		
GIRBOTFE	Fugitive	VOC		
GIRBOTWW	Wastewater Collection	VOC		
GOHTHCFUG	Fugitives (4)	VOC		
GTEC2	Analyzer	VOC		
H1000	Furnace	VOC		
H1001	Furnace	VOC		
H1010	Furnace	VOC		
H1011	Furnace	VOC		
H1100	Furnace	VOC		
H1130	Heater	VOC		
H1170	Furnace	VOC		
H5100	Furnace	VOC		
H5101	Furnace	VOC		
H5102	Furnace	VOC		
H5103	Furnace	VOC		
H5200	Furnace	VOC		
H5301/4	Heater	VOC		
H5302/3	Heater	VOC		
H5305	Furnace	VOC		
H5400	Furnace	VOC		
H5402	Furnace	VOC		
H5403	Furnace	VOC		
H5500A	Furnace	VOC		
H5500B	Furnace	VOC		
H5500C	Furnace	VOC		
H5600	Furnace	VOC		
H600	CO Boiler	VOC		
H613	Heater	VOC		
H63000	Heater	VOC		
H753	Heater	VOC		
H754	Heater	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
H755	Heater	VOC	
H775	Heater	VOC	
H780	Heater	VOC	
H781	Heater	VOC	
H8	Heater	VOC	
H850S1	Heater	VOC	
H850S2	Heater	VOC	
H9150	Heater	VOC	
HCOKE	Furnace	VOC	
HCOKER2	Heater	VOC	
HGOHT	Furnace	VOC	
HPOSTFRAC	Heater	VOC	
HPREFLASH	Heater	VOC	
HPREFLASH2	Heater	VOC	
HVIFE	Fugitive	VOC	
HVIOWS	Wastewater Collection	VOC	
J301B	Storage Tank	VOC	
J302B	Storage Tank	VOC	
J303B	Storage Tank	VOC	
J304	Storage Tank	VOC	
J305B	Storage Tank	VOC	
J306	Storage Tank	VOC	
J308	Storage Tank	VOC	
J309	Storage Tank	VOC	
J310	Storage Tank	VOC	
J311	Storage Tank	VOC	
J312	Storage Tank	VOC	
J315	Storage Tank	VOC	
J316	Storage Tank	VOC	
J317	Storage Tank	VOC	
J318B (J318)	Storage Tank	VOC	
J319	Storage Tank	VOC	
J320	Storage Tank	VOC	
J322	Storage Tank	VOC	
J323	Storage Tank	VOC	
J324	Storage Tank	VOC	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
J325	Storage Tank	VOC		
J326	Storage Tank	VOC		
J327	Storage Tank	VOC		
J328	Storage Tank	VOC		
J329	Storage Tank	VOC		
J330	Storage Tank	VOC		
J331	Storage Tank	VOC		
J332	Storage Tank	VOC		
J336	Storage Tank	VOC		
J337	Storage Tank	VOC		
J338	Storage Tank	VOC		
J340	Storage Tank	VOC		
J348	Storage Tank	VOC		
J349	Storage Tank	VOC		
K301	Storage Tank	VOC		
K302	Storage Tank	VOC		
K303	Storage Tank	VOC		
K304	Storage Tank	VOC		
K306	Storage Tank	VOC		
K310	Storage Tank	VOC		
K311	Storage Tank	VOC		
L2COMPVT	Vent	VOC		
L301	Storage Tank	VOC		
L302	Storage Tank	VOC		
L303	Storage Tank	VOC		
L304	Storage Tank	VOC		
LEUFE	Fugitive	VOC		
LEUOWS	Wastewater Collection	VOC		
LHT1FE	Fugitive	VOC		
LHT1OWS	Wastewater Collection	VOC		
LHT2FE	Fugitive	VOC		
LHT2OWS	Wastewater Collection	VOC		
LOADOWS	Wastewater Collection	VOC		
LR376-9	Loading Rack	VOC		
LUBLODFE	Fugitives (4)	VOC		
LUGGERPN	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
M301	Storage Tank	VOC		
M302	Storage Tank	VOC		
MANHOLE4	Wastewater Collection	VOC		
MEKFE	Fugitive	VOC		
MVIDEASS	Wastewater Collection	VOC		
MVIFE	Fugitive	VOC		
MVIOWS	Wastewater Collection	VOC		
N FLARE	CCU FLARE	VOC		
N92252	Storage Tank	VOC		
NAB	North Aeration Basin	VOC		
NDAF	Wastewater Collection	VOC		
NONE2	Storage Tank	VOC		
NONE3	Storage Tank	VOC		
OWATCTF	Wastewater Collection	VOC		
OWDU1	Wastewater Collection	VOC		
OWFLEX	Wastewater Collection	VOC		
P301	Storage Tank	VOC		
RD131	Storage Tank	VOC		
RD132	Storage Tank	VOC		
RD133	Storage Tank	VOC		
RD134	Storage Tank	VOC		
RD135	Storage Tank	VOC		
RD136	Storage Tank	VOC		
RD137	Storage Tank	VOC		
RD138	Storage Tank	VOC		
RD139	Storage Tank	VOC		
RD502	Storage Tank	VOC		
RD503	Storage Tank	VOC		
RD504	Storage Tank	VOC		
RD505	Storage Tank	VOC		
RD506	Storage Tank	VOC		
RD507	Storage Tank	VOC		
RD508	Storage Tank	VOC		
RD509	Storage Tank	VOC		
RD510	Storage Tank	VOC		
RD511	Storage Tank	VOC		
RD512	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
RD513	Storage Tank	VOC		
RKLBLEND (RKLTBLEND)	Load	VOC		
RKLDIALA (RKLTDIALA)	Load	VOC		
RKLTC	Load	VOC		
RKLTC/TT	Load	VOC		
RKLTCTTU	Load	VOC		
S302	Storage Tank	VOC		
S305	Storage Tank	VOC		
S306	Storage Tank	VOC		
S307	Storage Tank	VOC		
S310	Storage Tank	VOC		
S312	Storage Tank	VOC		
S313	Storage Tank	VOC		
S318	Storage Tank	VOC		
S325	Storage Tank	VOC		
S326	Storage Tank	VOC		
S336	Storage Tank	VOC		
S339	Storage Tank	VOC		
S348	Storage Tank	VOC		
S359	Storage Tank	VOC		
S360	Storage Tank	VOC		
S365	Storage Tank	VOC		
S395	Storage Tank	VOC		
S401	Storage Tank	VOC		
S402	Storage Tank	VOC		
S412	Storage Tank	VOC		
S429	Storage Tank	VOC		
S430	Storage Tank	VOC		
SAB	South Aeration Basin	VOC		
SDAF	Wastewater Collection	VOC		
SR3/4WW	Wastewater Collection	VOC		
SR5FUG	Fugitives (4)	VOC		
SR5STACK	Tail Gas Incinerator	VOC		
SR6STACK	Tail Gas Incinerator	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
SR7STACK	Tail Gas Incinerator	VOC		
SR8STACK	Tail gas incinerator	VOC		
SS301	Storage Tank	VOC		
SS302	Storage Tank	VOC		
SS303	Storage Tank	VOC		
SS306	Storage Tank	VOC		
SS307	Storage Tank	VOC		
SS308	Storage Tank	VOC		
SS312	Storage Tank	VOC		
SS314	Storage Tank	VOC		
SS316	Storage Tank	VOC		
SS324	Storage Tank	VOC		
SS325	Storage Tank	VOC		
SS335	Storage Tank	VOC		
SS336	Storage Tank	VOC		
SS339	Storage Tank	VOC		
SS341	Storage Tank	VOC		
SS343	Storage Tank	VOC		
SS344	Storage Tank	VOC		
SS348	Storage Tank	VOC		
SS351	Storage Tank	VOC		
SS352	Storage Tank	VOC		
SS356	Storage Tank	VOC		
SS364	Storage Tank	VOC		
SS375	Storage Tank	VOC		
SS375	Storage Tank	VOC		
SS376	Storage Tank	VOC		
SS377	Storage Tank	VOC		
SS378	Storage Tank	VOC		
SS379	Storage Tank	VOC		
SS388	Storage Tank	VOC		
SS396	Storage Tank	VOC		
SS403	Storage Tank	VOC		
SS425	Storage Tank	VOC		
ST1400	Storage Tank	VOC		
T1211	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
T1212	Storage Tank	VOC		
T1710	Storage Tank	VOC		
T1F323	Storage Tank	VOC		
T1F324	Storage Tank	VOC		
T1F329	Storage Tank	VOC		
T1F330	Storage Tank	VOC		
T1F348	Storage Tank	VOC		
T301	Storage Tank	VOC		
T302	Storage Tank	VOC		
T315	Storage Tank	VOC		
T59	Storage Tank	VOC		
T93002	Storage Tank	VOC		
T93402	Storage Tank	VOC		
TA301	Storage Tank	VOC		
TA305	Storage Tank	VOC		
TA306	Storage Tank	VOC		
TA307	Storage Tank	VOC		
TA310	Storage Tank	VOC		
TA311	Storage Tank	VOC		
TA312	Storage Tank	VOC		
TA313	Storage Tank	VOC		
TA314	Storage Tank	VOC		
TA315	Storage Tank	VOC		
TA316	Storage Tank	VOC		
TA317	Storage Tank	VOC		
TA318	Storage Tank	VOC		
TA319	Storage Tank	VOC		
TA320	Storage Tank	VOC		
TA321	Storage Tank	VOC		
TA322	Storage Tank	VOC		
TA324	Storage Tank	VOC		
TA325	Storage Tank	VOC		
TA326	Storage Tank	VOC		
TA329	Storage Tank	VOC		
TA330	Storage Tank	VOC		
TA331	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
TA332	Storage Tank	VOC		
TA334	Storage Tank	VOC		
TC&G	Wastewater Collection	VOC		
TCACIDLOAD	Tank Car Loading	VOC		
TG324	Storage Tank	VOC		
TG362	Storage Tank	VOC		
TJ321	Storage Tank	VOC		
TJ333	Storage Tank	VOC		
TJ334	Storage Tank	VOC		
TJ335	Storage Tank	VOC		
TJ339	Storage Tank	VOC		
TK305	Storage Tank	VOC		
TRKLFIL	Wastewater Collection	VOC		
TRKLSMP	Wastewater Collection	VOC		
U301	Storage Tank	VOC		
U302	Storage Tank	VOC		
US141	Storage Tank	VOC		
US142	Storage Tank	VOC		
US143	Storage Tank	VOC		
US144	Storage Tank	VOC		
US145	Storage Tank	VOC		
US146	Storage Tank	VOC		
US147	Storage Tank	VOC		
US148	Storage Tank	VOC		
US149	Storage Tank	VOC		
US150	Storage Tank	VOC		
US151	Storage Tank	VOC		
V1047	Vent	VOC		
V1111	Storage Tank	VOC		
V1138	Vent	VOC		
V1428	Vessel	VOC		
V54	Vessel	VOC		
V5518	Vent	VOC		
V5527	Column	VOC		
V731	Vent	VOC		
V8601	Analyzer	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3) lb/hr	TPY
V9160	Vent	VOC	
VA01	Storage Tank	VOC	
VA02	Storage Tank	VOC	
VA03	Storage Tank	VOC	
VA04	Storage Tank	VOC	
VA05	Storage Tank	VOC	
VA06	Storage Tank	VOC	
VA07	Storage Tank	VOC	
VA08	Storage Tank	VOC	
VA09	Storage Tank	VOC	
VA10	Storage Tank	VOC	
VA11	Storage Tank	VOC	
VA12	Storage Tank	VOC	
VA15	Storage Tank	VOC	
VA16	Storage Tank	VOC	
VA21	Storage Tank	VOC	
VA22	Storage Tank	VOC	
VA23	Storage Tank	VOC	
VA24	Storage Tank	VOC	
VA25	Storage Tank	VOC	
VA26	Storage Tank	VOC	
VA27	Storage Tank	VOC	
VA28	Storage Tank	VOC	
VA29	Storage Tank	VOC	
VA30	Storage Tank	VOC	
VA31	Storage Tank	VOC	
VA36	Storage Tank	VOC	
VA37	Storage Tank	VOC	
VA38	Storage Tank	VOC	
VA39	Storage Tank	VOC	
VA40	Storage Tank	VOC	
VA41	Storage Tank	VOC	
VA42	Storage Tank	VOC	
VA43	Storage Tank	VOC	
WAXPLTFE	Fugitive	VOC	
WAXPTOWS	Wastewater Collection	VOC	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
WAXPTWAX	Wastewater Collection	VOC		
WAXSKMC	Wastewater Collection	VOC		
WBTF	Fugitives (4)	VOC		
WPFLARE	West Property Flare	VOC		
WX220	Storage Tank	VOC		
WX221	Storage Tank	VOC		
WX222	Storage Tank	VOC		
WX223	Storage Tank	VOC		
WX224	Storage Tank	VOC		
WX225	Storage Tank	VOC		
WX226	Storage Tank	VOC		
WX227	Storage Tank	VOC		
WX228	Storage Tank	VOC		
WX229	Storage Tank	VOC		
WX230	Storage Tank	VOC		
WX231	Storage Tank	VOC		
WX232	Storage Tank	VOC		
WX233	Storage Tank	VOC		
WX234	Storage Tank	VOC		
WX235	Storage Tank	VOC		
WX241	Storage Tank	VOC		
WX242	Storage Tank	VOC		
WX243	Storage Tank	VOC		
WX244	Storage Tank	VOC		
WX245	Storage Tank	VOC		
WX246	Storage Tank	VOC		
WX247	Storage Tank	VOC		
WX248	Storage Tank	VOC		
WX249	Storage Tank	VOC		
WX250	Storage Tank	VOC		
WX251	Storage Tank	VOC		
WX252	Storage Tank	VOC		
WX253	Storage Tank	VOC		
WX254	Storage Tank	VOC		
WX255	Storage Tank	VOC		
WX256	Storage Tank	VOC		

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
WX257	Storage Tank	VOC		
WX258	Storage Tank	VOC		
WX259	Storage Tank	VOC		
WX260	Storage Tank	VOC		
WX261	Storage Tank	VOC		
WX262	Storage Tank	VOC		
WX263	Storage Tank	VOC		
WX264	Storage Tank	VOC		
WX265	Storage Tank	VOC		
WX266	Storage Tank	VOC		
WX267	Storage Tank	VOC		
WX268	Storage Tank	VOC		
WX269	Storage Tank	VOC		
WX270	Storage Tank	VOC		
WX271	Storage Tank	VOC		
WX279	Storage Tank	VOC		
WX280	Storage Tank	VOC		
WX281	Storage Tank	VOC		
WX285	Storage Tank	VOC		
X2H DU1	Storage Tank	VOC		
X311	Storage Tank	VOC		
X312	Storage Tank	VOC		
X313	Storage Tank	VOC		
X315	Storage Tank	VOC		
X316	Wastewater Collection	VOC		
X320	Storage Tank	VOC		
X321	Storage Tank	VOC		
X324	Storage Tank	VOC		
X325	Storage Tank	VOC		
X326	Storage Tank	VOC		
X327	Storage Tank	VOC		
X328	Storage Tank	VOC		
X330	Wastewater Collection	VOC		
X330SM	Wastewater Collection	VOC		
INITIAL EMISSIONS CAP			VOC	2457.9 3494.0
FINAL EMISSIONS CAP			VOC	2404.5 3470.0

AIR CONTAMINANTS DATA

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

AIR CONTAMINANTS DATA

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

N FLARE For Maintenance and Emergency Use Only

(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) CO - carbon monoxide

H₂S - hydrogen sulfide

NH₃ - ammonia

NO_x - nitrogen oxides

PM - particulate matter

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in General Rule 101.1

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

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day Days/week Weeks/year or Hrs/year
8,760

Dated _____