#### Flexible Permit No. 22690 and PSD-TX-751M1

This table lists the emission caps and individual emission limitations for all sources of air contaminants on the applicant's property covered by this permit. The emission caps and individual emission limitations shown are those derived from information submitted as part of the application for permit and allowed for these facilities. Any proposed change in emission caps or individual emission limitations will require an application for a modification of the facilities covered by this permit.

#### AIR CONTAMINANTS DATA

Can or			Emission
Cap or			
Individual			
Emission	Source	Air Contaminant	Emission
<u>Limit *</u>			
Point No. (1)	Name (2)	Name (3)	lb/hr
TPY			
		<u>CO SOURCES</u>	
12-36-1	12 Furnace 1	CO	
12-36-1a	12 Furnace 1a	CO	
12-36-1an	12 Furnace 1an	CO	
12-36-1b	12 Furnace 1b	CO	
12-36-1c	12 Furnace 1c	CO	
12-36-1d	12 Furnace 1d	CO	
12-36-1e	12 Furnace 1e	CO	
12-36-1f	12 Furnace 1f	CO	
12-36-1g	12 Furnace 1g	CO	
12-36-1h	12 Furnace 1h	CO	
12-36-2 12-36-2a	12 Furnace 2 12 Furnace 2a	C0 C0	
12-36-2a 12-36-3	12 Furnace 2a 12 Furnace 3	CO	
12-30-3	12 Fulliace 3	CO	
22-36-1	22 Furnace 1	CO	
22-36-2	22 Furnace 2	CO	
22-36-3	22 Furnace 3	CO	
22-36-4	22 Furnace 4	CO	
22-36-5	22 Furnace 5	CO	
22-36-6	22 Furnace 6	CO	
22-36-7	22 Furnace 7	CO	
22-36-8	22 Furnace 8	CO	

#### AIR CONTAMINANTS DATA

Cap (	or
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Cap or			
Individual Emission Limit *	Source	Air Contaminant	<u>Emission</u>
Point No. (1) TPY	Name (2)	Name (3)	lb/hr
24-36-1 24-36-2	24 Furnace 1 24 Furnace 2	CO CO	
24-36-3 24-36-4 24-36-5	24 Furnace 3 24 Furnace 4 24 Furnace 5	C0 C0 C0	
24-36-6 24-36-8	24 Furnace 6 24 Furnace 8	CO CO	
22-36-9	24 Furnace 9	CO	
33-36-1 33-36-2 33-36-3 33-36-4	33 Furnace 1 33 Furnace 2 33 Furnace 3 33 Furnace 4	C0 C0 C0	
33-36-5 33-36-6 33-36-7 33-36-8 33-36-9	33 Furnace 5 33 Furnace 6 33 Furnace 7 33 Furnace 8 33 Furnace 9	C0 C0 C0 C0 C0	
U12 Decoke U22 Decoke U24 Decoke U33 Decoke	U12 Decoke U22 Decoke U24 Decoke U33 Decoke	C0 C0 C0	
56-61-5 56-61-6 56-61-10 56-61-12	12 Flare 5 12 Flare 6 22 Flare 10 22 Flare 12	C0 C0 C0	

#### AIR CONTAMINANTS DATA

Emission

### Cap or

Individual Emission	Source		Air Contam	inant	Emis	sion_
<u>Limit *</u> Point No. (1) TPY	Name (2)		N	ame (3)	lb/hr	
56-61-14 56-61-20 56-61-22	24 Flare 24 Flare 33 Flare	20	C0 C0			
Ethylene Area CO	Emission	Cap			550.00	2050.60

#### AIR CONTAMINANTS DATA

Emission

Cap or			LIII 133 1011
Individual Emission Limit *	Source	Air Contaminant	<u>Emission</u>
Point No. (1) TPY	Name (2)	Name (3)	lb/hr
		NO <sub>x</sub> SOURCES	
12-36-1 12-36-1a 12-36-1an 12-36-1b 12-36-1c 12-36-1d 12-36-1e 12-36-1f 12-36-1g 12-36-1h 12-36-2 12-36-2a 12-36-3	12 Furnace 1 12 Furnace 1a 12 Furnace 1a 12 Furnace 1b 12 Furnace 1c 12 Furnace 1d 12 Furnace 1f 12 Furnace 1f 12 Furnace 1g 12 Furnace 2 12 Furnace 2 12 Furnace 3	NO <sub>x</sub>	
NO <sub>x</sub> Emission Cap	For Unit 12 Cracking 138.28	Furnaces	32.00
22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8	22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8	NO <sub>x</sub>	

#### AIR CONTAMINANTS DATA

Cai	n	o	r
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cap or			
Individual Emission Limit *	Source	Air Contaminant	Emission
Point No. (1) TPY	Name (2)	Name (3)	lb/hr
24-36-1	24 Furnace 1	$NO_x$	
24-36-2	24 Furnace 2	$NO_x$	
24-36-3	24 Furnace 3	$NO_{x}$	
24-36-4	24 Furnace 4	$NO_x$	
24-36-5	24 Furnace 5	$NO_x$	
24-36-6	24 Furnace 6	$NO_{x}$	
24-36-8	24 Furnace 8	$NO_{x}$	
22-36-9	24 Furnace 9	$NO_{\times}$	
33-36-1	33 Furnace 1	$NO_{x}$	
33-36-2	33 Furnace 2	NO <sub>x</sub>	
33-36-3	33 Furnace 3	NO <sub>x</sub>	
33-36-4	33 Furnace 4	$NO_{\times}$	
33-36-5	33 Furnace 5	$NO_{\times}$	
33-36-6	33 Furnace 6	$NO_x$	
33-36-7	33 Furnace 7	$NO_x$	
33-36-8	33 Furnace 8	No <sub>x</sub>	
33-36-9	33 Furance 9	Nox	
U12 Decoke	U12 Decoke	$NO_x$	
U22 Decoke	U22 Decoke	$NO_{x}$	
U24 Decoke	U24 Decoke	$NO_{x}$	
U33 Decoke	U33 Decoke	$NO_x$	

#### AIR CONTAMINANTS DATA

Emission

Ca	n	o	r
cα	ν	U	

Individual Emission <u>Limit *</u>	Source	Air Contaminant	<u>Emission</u>
Point No. (1) TPY	Name (2)	Name (3)	lb/hr
56-61-5 56-61-6 56-61-10 56-61-12 56-61-20 56-61-22	12 Flare 5 12 Flare 6 22 Flare 10 22 Flare 12 24 Flare 14 24 Flare 20 33 Flare 22	$NO_{\times}$ $NO_{\times}$ $NO_{\times}$ $NO_{\times}$ $NO_{\times}$ $NO_{\times}$ $NO_{\times}$ $NO_{\times}$	

NO<sub>x</sub> Emission Cap (Not Including Unit 12)

517.00 2211.26

#### AIR CONTAMINANTS DATA

Cai	p	o	r
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Cap or					LIII13310II
Individual Emission Limit *	Source	,	Air Contami	nant .	Emission
Point No. (1) TPY	Name (2)		Na	me (3)	lb/hr
			PM SOURCE	<u>S</u>	
12-36-1 12-36-1a 12-36-1an 12-36-1b 12-36-1c 12-36-1d 12-36-1e 12-36-1f 12-36-1g 12-36-1h 12-36-2 12-36-2a 12-36-3	12 Furnace	1a 1an 1b 1c 1d 1e 1f 1g 1h 2	PM P		
22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8	Furnace	2 3 4 5 6 7	PM PM PM PM PM PM PM PM		
24-36-1 24-36-2	24 Furnace 24 Furnace		PM PM		

#### AIR CONTAMINANTS DATA

Cai	D	O	r
	_	_	•

Cap or					
Individual Emission Limit * Point No. (1)	Source Name (2)	Air Cont	aminant Name (3)	<u>Emiss</u> lb/hr	ion_
TPY				•	
24-36-3 24-36-4 24-36-5 24-36-6	24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6	PM PM PM PM			
24-36-8	24 Furnace 8	PM			
22-36-9	24 Furnace 9	PM			
33-36-1 33-36-2 33-36-3 33-36-4 33-36-5 33-36-6 33-36-7 33-36-8	33 Furnace 1 33 Furnace 2 33 Furnace 3 33 Furnace 4 33 Furnace 5 33 Furnace 6 33 Furnace 7 33 Furnace 8	PM PM PM PM PM PM PM			
U12 Decoke	U12 Decoke	PM			
U22 Decoke	U22 Decoke	PM			
U24 Decoke	U24 Decoke	PM			
U33 Decoke	U33 Decoke	PM			
Ethylene Area PM	Emission Cap (Include 360.32	es PM <sub>10</sub> )			81.50
		VOC SOL	<u>JRCES</u>		
12-36-1	12 Furnace 1	VOC			

#### AIR CONTAMINANTS DATA

Cap	0	r
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Individual Emission	Source	Air Contaminant	<u>Emission</u>
<u>Limit *</u> Point No. (1) TPY	Name (2)	Name (3)	lb/hr
12-36-1a	12 Furnace 1a	VOC	
12-36-1an	12 Furnace 1an	VOC	
12-36-1b	12 Furnace 1b	VOC	
12-36-1c	12 Furnace 1c	VOC	
12-36-1d	12 Furnace 1d	VOC	
12-36-1e	12 Furnace 1e	VOC	
12-36-1f	12 Furnace 1f	VOC	
12-36-1g	12 Furnace 1g	VOC	
12-36-1h	12 Furnace 1h	VOC	
12-36-2	12 Furnace 2	VOC	
12-36-2a	12 Furnace 2a	VOC	
12-36-3	12 Furnace 3	VOC	
22-36-1	22 Furnace 1	VOC	
22-36-2	22 Furnace 2	VOC	
22-36-3	22 Furnace 3	VOC	
22-36-4	22 Furnace 4	VOC	
22-36-5	22 Furnace 5	VOC	
22-36-6	22 Furnace 6	VOC	
22-36-7	22 Furnace 7	VOC	
22-36-8	22 Furnace 8	VOC	
24-36-1	24 Furnace 1	VOC	
24-36-2	24 Furnace 2	VOC	
24-36-3	24 Furnace 3	VOC	
24-36-4	24 Furnace 4	VOC	

#### AIR CONTAMINANTS DATA

Ca	p	0	r
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Individual Emission	Source	Air Contaminant	Emission
Limit * Point No. (1) TPY	Name (2)	Name (3)	lb/hr
24-36-5 24-36-6 24-36-8 22-36-9	24 Furnace 5 24 Furnace 6 24 Furnace 8 24 Furnace 9	VOC VOC VOC	
33-36-1 33-36-2 33-36-3 33-36-4 33-36-5 33-36-6 33-36-7 33-36-8 33-36-9	33 Furnace 1 33 Furnace 2 33 Furnace 3 33 Furnace 4 33 Furnace 5 33 Furnace 6 33 Furnace 7 33 Furnace 8 33 Furnace 9	VOC VOC VOC VOC VOC VOC VOC VOC	
56-61-5 56-61-6 56-61-10 56-61-12 56-61-14	12 Flare 5 12 Flare 6 22 Flare 10 22 Flare 12 24 Flare 14	VOC VOC VOC VOC	
56-61-20 56-61-22	24 Flare 20 33 Flare 22	VOC VOC	
12-0-0 22-0-0	12 Fugitives (4) 22 Fugitives (4)	VOC VOC	

#### AIR CONTAMINANTS DATA

Emission

Cai	D	o	r
	_	_	-

Cap or			
Individual Emission Limit * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission  1b/hr
TPY	Name (2)	Name (3)	10/111
24-0-0 33-0-0	24 Fugitives (4) 33 Fugitives (4)	VOC VOC	
VOC Cap recalcul	ated for all Fugitive 86.00	Areas	21.60
33-95-310	33 O/W Separator	VOC	
54-12-5 54-22-12 54-24-13 54-33-17	12 Cooling Tower 22 Cooling Tower 24 Cooling Tower 33 Cooling Tower	VOC VOC VOC VOC	
TK-84 TK-401 TK-245 TK-246	Tank 84 DAC Tank 401 DAC Tank 245 DAC Tank 246 DAC	VOC VOC VOC VOC	

Ethylene Area VOC Emission Cap (Including Benzene and Fugitives) 58.00 248.85

		Benzene Sources (5)
12-0-0	12 Fugitives (4	) Benzene
22-0-0	22 Fugitives (4	) Benzene
24-0-0	24 Fugitives (4	Benzene

#### AIR CONTAMINANTS DATA

**Emission** 

#### Cap or

Individual Emission Limit *	Source	Air Contaminant	Emis	sion_
Point No. (1) TPY	Name (2)	Name (3)	lb/hr	
33-0-0	33 Fugitives (4)	Benzene		
33-95-310	33 O/W Separator	Benzene		
54-12-5	12 Cooling Tower	Benzene		
54-22-12	22 Cooling Tower	Benzene		
54-24-13	24 Cooling Tower	Benzene		
54-33-17	33 Cooling Tower	Benzene	0.04	0.17
TK-84	Tank 84 DAC	Benzene		
TK-401	Tank 401 DAC	Benzene		
TK-245	Tank 245 DAC	Benzene	0.32	0.70
TK-246	Tank 246 DAC	Benzene	0.32	0.70
<del>-</del>	nzene Emission Cap ividual limits)		1.04	4.55

- (1) Emission point identification either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM particulate matter
  - VOC volatile organic compounds as defined in General Rule 101.1
  - NO<sub>x</sub> total oxides of nitrogen
  - CO carbon monoxide
  - $PM_{10}$  particulate matter of 10 microns or less
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

#### AIR CONTAMINANTS DATA

Dated\_\_\_\_

		Emission	า
Cap or			
Individual Emission Limit *	Source	Air Contaminant <u>Emissior</u>	<u>1</u>
Point No. (1) TPY	Name (2)	Name (3) lb/hr	
(5) Included	in VOC Cap.		
	rates are based maximum operating	on and the facilities are limited by schedule:	the
Hrs/day_	Days/week	Weeks/yearor Hrs/year8,760	-