Permit Numbers 9476 and PSD-TX-886

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Emission Point No. (1)	Source Name (2)	Aiı	r Contaminant Name (3)	Emission F	Rates TPY
1 OHIL 140. (1)	ιναιτιο (Ζ)		Name (5)	10/111	11 1
001	RODECS Baghouse Stack		$\begin{array}{c} PM/PM_{10} \\ VOC \\ NO_x \\ SO_2 \\ CO \\ HCI \\ D/F \end{array}$	0.46 0.31 0.45 0.01 1.65 1.54 1.54E-08	1.48 0.99 1.43 0.05 7.21 4.94 4.94E-08
011	Well Furnace Hood Baghouse No. 1 Stack	Pb Cr D/F	PM/PM ₁₀ HCI HF 0.04 <0.01 2.28E-07	4.29 0.25 0.01 0.14 0.01 9.99E-07	18.77 1.10 0.04
011A	Well Furnace Hood Baghouse No. 2 Stack	Pb Cr D/F	PM/PM ₁₀ HCI HF 0.04 <0.01 2.28E-07	2.60 0.25 0.01 0.14 0.01 9.99E-07	11.39 1.10 0.04
026	Sow Dryer		NOx CO PM/PM ₁₀ VOC SO ₂	0.95 0.79 0.07 0.05 <0.01	4.14 3.47 0.31 0.23 <0.03

Emission	Source Air Contaminant		Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
031	Well Furnace No. 1	PM/PM ₁₀	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.09	4.77
		SO_2	0.20	0.88
		CO	2.88	12.61
		HCI	0.05	0.22
		HF	<0.01	0.02
031A	Well Furnace No. 3	PM/PM ₁₀	1.31	5.74
		VOC	0.50	2.19
		NO _x	1.09	4.77
		SO ₂	0.20	0.88
		CO	2.88	12.61
		HCI	0.05	0.22
		HF	<0.01	0.02
041	Well Furnace No. 2	PM/PM ₁₀	1.31	5.74
		VOC	0.50	2.19
		NO _x	1.09	4.77
		SO ₂	0.20	0.88
		CO	2.88	12.61
		HCI	0.05	0.22
		HF	<0.01	0.02
041A	Well Furnace No. 4	PM/PM ₁₀	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.09	4.77
		SO ₂	0.20	0.88
		CO	2.88	12.61
		HCI	0.05	0.21
		HF	<0.01	0.02
051	Dome Furnace	PM/PM ₁₀	9.11	39.90

Point No. (1) Name (2) Name (3) Ib/hr TPY VOC NO _x SO ₂ CO 0.19 0.09 0.09 0.00 0.00 0.00 0.00 0.00	Emission	Source Ai	r Contar	ninant	Emission	n Rates
VOC NO ₂ 2.44 10.69 SO ₂ 0.02 0.09 CO 2.49 10.91 061 Holding Furnace No. 1 PM/PM₁0 VOC 0.04 0.17 NO ₃ 0.98 4.29 SO ₂ CO 0.058 2.52 HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁0 VOC 0.58 2.52 HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁0 VOC 0.04 0.17 NO ₃ 0.98 4.29 SO ₂ <0.01 0.02 CO 0.58 2.52 HCI 1.00 4.38	Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
NO _x 2.44 10.69 SO ₂ 0.02 0.09 CO 2.49 10.91 O61						
NO _x 2.44 10.69 SO ₂ 0.02 0.09 CO 2.49 10.91 O61				VOC	0.19	0.83
SO ₂						10.69
061 Holding Furnace No. 1 PM/PM₁0 VOC 0.04 0.17 0.02 0.04 0.17 0.00 0.00 0.04 0.17 0.00 0.00 0.00 0.00 0.00 0.00 0.00						
061 Holding Furnace No. 1 PM/PM₁0						
VOC NO _x 0.04 0.98 4.29 4.29 SO2 CO 0.58 2.52 HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁0 VOC NO _x 0.44 1.93 0.04 VOC NO _x 0.98 4.29 0.01 SO2 CO 0.58 2.52 0.01 HCI 1.00 4.38 071 Holding Furnace No. 2 PM/PM₁0 VOC NO _x 0.44 0.17 NO _x 1.93 0.98 VOC NO _x 0.98 0.98 4.29 0.01 SO2 CO 0.58 0.52 2.52 0.01 HCI 1.00 4.38						
VOC NO _x 0.04 0.98 4.29 4.29 SO2 CO 0.58 2.52 HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁0 VOC NO _x 0.44 1.93 0.04 VOC NO _x 0.98 4.29 0.01 SO2 CO 0.58 2.52 0.01 HCI 1.00 4.38 071 Holding Furnace No. 2 PM/PM₁0 VOC NO _x 0.44 0.17 NO _x 1.93 0.98 VOC NO _x 0.98 0.98 4.29 0.01 SO2 CO 0.58 0.52 2.52 0.01 HCI 1.00 4.38	061	Holding Furnace N	lo. 1	PM/PM ₁₀	0.44	1.93
NO _x SO ₂ <0.01 0.02 CO 0.58 2.52 CO 0.58 CO CO CO CO CO CO CO C		· ·			0.04	0.17
SO ₂						
CO 0.58 4.38 HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁0 VOC 0.04 0.17 NO√x 0.98 4.29 SO₂ <0.01 0.02 CO 0.58 2.52 HCI 1.00 4.38						
HCI 1.00 4.38 061A Holding Furnace No. 3 PM/PM₁₀ VOC 0.04 0.17 NO₂ 0.98 4.29 SO₂ <0.01 0.02 CO 0.58 2.52 HCI 1.00 4.38						
061A			HCI			
VOC						
VOC	061A	Holding Furnace No. 3		PM/PM ₁₀	0.44	1.93
NOx SO2 SO2 CO.01 0.98 4.29 CO 0.58 2.52 HCI 1.00 2.52 HCI 1.00 Holding Furnace No. 2 VOC 0.04 0.17 NOx 0.98 4.29 SO2 CO 0.58 2.52 HCI 1.00 0.98 4.29 SO2 CO.01 0.02 CO 0.58 2.52 HCI 1.00 1.68 7.37 Tower VOC CO.01 <0.01						
SO ₂ <0.01 0.02						
CO 0.58 2.52 HCI 1.00 4.38 071 Holding Furnace No. 2 PM/PM₁0 VOC PO.04 PM/PM₁0 PM/PM/PM/PM/PM/PM/PM/PM/PM/PM/PM/PM/PM/P						
HCI 1.00 4.38 071		CO			0.02	
071 Holding Furnace No. 2 PM/PM₁0						
VOC 0.04 0.17 NO _x 0.98 4.29 SO ₂ <0.01 0.02 CO 0.58 2.52 HCl 1.00 4.38 076 Casting Area Cooling PM/PM ₁₀ 1.68 7.37 Tower VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68			1101	1.00	4.00	
VOC 0.04 0.17 NO _x 0.98 4.29 SO ₂ <0.01 0.02 CO 0.58 2.52 HCl 1.00 4.38 076 Casting Area Cooling PM/PM ₁₀ 1.68 7.37 Tower VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68	071	Holding Furnace N	lo. 2	PM/PM ₁₀	0.44	1.93
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	• -					
CO 0.58 2.52 4.001 0.02 CO 0.58 2.52 HCl 1.00 4.38 076 Casting Area Cooling PM/PM ₁₀ 1.68 7.37 Tower VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68						
CO 0.58 2.52 HCl 1.00 4.38 076 Casting Area Cooling PM/PM ₁₀ 1.68 7.37 VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68						
076 Casting Area Cooling Tower PM/PM ₁₀ VOC 1.68 7.37 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68			CO			0.02
076 Casting Area Cooling Tower PM/PM ₁₀ VOC 1.68 <0.01 7.37 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68						
Tower VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68			1101	1.00	4.00	
Tower VOC <0.01 <0.01 081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68	076	Casting Area Cooling		PM/PM ₁₀	1.68	7.37
081 Scalper Baghouse - Stack PM/PM ₁₀ 1.11 4.86 091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68		_	3			
091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68						
091 Preheat Furnace No. 1 PM/PM ₁₀ 0.84 3.68	081	Scalper Baghouse	- Stack	PM/PM ₁₀	1.11	4.86
		, 5		-		
VOC. 0.18 0.79	091	Preheat Furnace No. 1		PM/PM ₁₀	0.84	3.68
100				VOC	0.18	0.79

Emission	Source Air Contai	minant	Emission Rates		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
		NO_x	9.10	39.86	
		SO_2	0.04	0.18	
		CO	2.28	9.99	
091A	Preheat Furnace No. 3	PM/PM ₁₀	0.88	3.85	
		VOC	0.35	1.51	
		NO _x	4.22	18.50	
		SO ₂	0.04	0.17	
		CO	4.70	20.59	
			0	20.00	
101	Preheat Furnace No. 2	PM/PM ₁₀	0.84	3.68	
		VOC	0.13	0.57	
		NO_x	1.60	7.01	
		SO ₂	0.04	0.17	
		CO	1.14	4.99	
111	Hot Rolling Mill	PM	3.00	13.14	
	3	VOC	8.00	35.04	
116	Hot Mill Cooling	PM/PM ₁₀	1.68	7.37	
	Tower	VOC	< 0.01	<0.01	
121	Cold Rolling Mill	PM	3.00	13.14	
121	Cold (Colling Willi	VOC	8.00	35.04	
		VOO	0.00	00.04	
131	Annealing Furnace No. 1	PM/PM ₁₀	0.22	0.96	
	C	VOC	1.53	2.63	
		NO_x	0.50	2.19	
		SO_2	0.01	0.04	
		CO	1.32	5.77	
141	Annealing Furnace No. 2	PM/PM ₁₀	0.22	0.96	
		VOC	1.53	2.63	
		NO_x	0.50	2.19	

		SO₂ CO	0.01 1.32	0.04 5.77
151	Annealing Furnace No. 3	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77
161	Annealing Furnace No. 4	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77
161A	Annealing Furnace No. 5	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77
161B	Annealing Furnace No. 6	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77
161C	Annealing Furnace No. 7	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77

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Source

Name (2)

Emission

Point No. (1)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Air Contaminant

Name (3)

AIR CONTAMINANTS DATA

Emission Rates

lb/hr TPY

CONTAMINANTS DATA				AIR	
Emission Point No. (1)	Source A Name (2)	Air Contan	ninant Name (3)	<u>Emission</u> lb/hr	Rates TPY
161D	Annealing Furnac	ce No. 8	PM/PM_{10} VOC NO_x SO_2 CO	0.22 1.53 0.50 0.01 1.32	0.96 2.63 2.19 0.04 5.77
181	Top (Finish) Coat Thermal Oxidizer - Stack		PM/PM_{10} VOC NO_x SO_2 CO	0.48 11.90 4.90 0.02 2.88	2.10 52.12 21.46 0.09 12.62
181A	Primer Coat Thermal Oxidizer - Stack		PM/PM_{10} VOC NO_x SO_2 CO	0.48 8.60 4.90 0.02 2.88	2.10 24.53 21.46 0.09 12.62
181B	Heater Vent	VOC	$\begin{array}{c} PM/PM_{10} \\ 0.06 \\ NO_x \\ SO_2 \\ CO \end{array}$	0.14 0.25 1.47 0.01 0.86	0.34 6.44 0.03 3.79
181C	Hot Mill Sentry		NOx CO PM/PM ₁₀ VOC	0.14 0.12 0.01 <0.01	0.60 0.51 0.05 <0.04

SO₂ <0.001 <0.01

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Source Air Cont	e Air Contaminant		Emission Rates	
Name (2)	Name (3)	lb/hr	TPY	
Strip Dryer Heater Vent			0.09	
			0.18	
	NO _x	0.21	0.92	
	SO ₂	<0.01	<0.01	
	CO	0.12	0.54	
Rubber Roll Shop	PM/PM ₁₀	0.01	0.05	
Baghouse Stack	Cr	<0.01	<0.01	
Dross Loading (4)	PM/PM ₁₀	0.02	0.09	
	VOC	0.25	0.005	
Tank No. 1				
	VOC	0.25	0.005	
rank No. 2				
	1/00	0.05	0.005	
Cold Mill Coolant	VOC	0.25	0.005	
	Name (2) Strip Dryer Heater Vent Rubber Roll Shop Baghouse Stack	Name (2) Strip Dryer Heater Vent PM/PM ₁₀ VOC NO _x SO ₂ CO Rubber Roll Shop Baghouse Stack Dross Loading (4) Cold Mill Coolant Tank No. 1 Cold Mill Coolant Tank No. 2	Name (2) Name (3) Ib/hr Strip Dryer Heater Vent VOC NOx VOC NOx SO₂ CO 0.04 NOx 0.21 SO₂ CO 0.01 CO Rubber Roll Shop Baghouse Stack Cr PM/PM₁0 PM₁0 CY 0.01 CO Dross Loading (4) PM/PM₁0 PM₁0 PM/PM₁0 CY 0.02 CO Cold Mill Coolant Tank No. 1 VOC CY 0.25 CO Cold Mill Coolant Tank No. 2 VOC CY 0.25 CO	

	Tank No. 3			
TNK191D	Cold Mill Coolant Tank No. 4	VOC	0.12	0.02
TNK191E	Cold Mill Coolant Tank No. 5	VOC	0.12	0.02
TNK191F	Cold Mill Coolant Tank No. 6	VOC	0.12	<0.005
TNK192A	Hot Mill Coolant Tank No. 1	VOC	<0.06	<0.01
TNK192B	Hot Mill Coolant	VOC	< 0.06	<0.01

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Tank No. 2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
TNK192C	Hot Mill Coolan Tank No. 3	t VOC	<0.06	<0.01
TNK191-LL	Truck Loading (4) VOC	0.43	<0.002

- (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, suspended in the atmosphere, including PM_{10} .
 - PM₁₀ particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - HCl hydrogen chloride HF - hydrogen fluoride
 - NO_x total oxides of nitrogen
 - SO₂ sulfur dioxide

CO - carbon monoxide Pb - lead

Cr - chromium
D/F - dioxins/furans

(4) Fugitive emissions are an estimate only.

Dated October 11, 2007