

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 70661 and PSDTX1036M1

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

### Plant 1

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
Category No. 1 NGCOMB	Plant-wide Natural Gas Combustion			
PLTWDNGCMB RTOSTK PS-T-6 PS-T-7 PS-T-8 PS-T-10 PS-T-11 PS-T-12 PS-T-14 PS-T-16 PS-R-01	NG Combustion – HVACs and Process Equipment 176.44 MMBtu/hr	VOC	0.95	2.77
		NO <sub>x</sub>	14.21	37.36
		CO	14.53	42.32
		PM	1.31	3.83
		PM <sub>10</sub>	1.31	3.83
		PM <sub>2.5</sub>	1.31	3.83
		SO <sub>2</sub>	0.10	0.30
Category No. 3 BMST	Bulk Material Storage Tanks			
BMST-T2	Gear Oil Tank	VOC	0.61	<0.01
BMST-T3	Long Life Coolant (Antifreeze) Tank	VOC	0.14	<0.01
BMST-T4	Windshield Washer Fluid Tank	VOC	31.29	0.25
BMST-T5	Gasoline Tank	VOC	16.62	1.50
BMSTFUG	Fugitive Equipment Leaks	VOC	0.41	1.81
Category No. 4 SS/BS	Stamping Shop/Body Shop			
WELDFUG	Body Shop Welding	PM	0.09	0.20
		PM <sub>10</sub>	0.09	0.20
		PM <sub>2.5</sub>	0.09	0.20
PRESSFUG	Stamping/Drawing Oil	VOC	5.41	17.03

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Category No. 5 SCS	Surface Coating System (E-Coat, Primer Surfacer, Topcoat and Blackout Booth)			
SUPERSTK, PS-T-10, PS-T-11, PS-T-12, PS-T-22, PS-T-31 and RTOSTK	E-Coat System Dip Tanks and Oven	VOC	240.14	514.58
	Primer Surfacer Booth – Soft Chip, Manual Zone, Automatic Zone and Oven	Exempt Solvent	0.40	0.87
		PM	1.76	3.77
		PM <sub>10</sub>	1.76	3.77
	Basecoat Automatic and Manual Zones, Basecoat Heated Flash, Clearcoat Automatic and Manual Zones and Topcoat Oven	PM <sub>2.5</sub>	1.76	3.77
	Blackout Booth			
Category No. 6) PLASPNT	Plastic Painting			
PS-R-01, PS-R-02, PS-R-03, PS-R-04, and PS-R-08	Bumper Primer Booth, Bumper Basecoat Booth, Bumper Clearcoat Booth, Heated Flash Zones and Oven,	VOC	56.02	120.04
		Exempt Solvent	0.06	0.13
		PM	0.20	0.43
		PM <sub>10</sub>	0.20	0.43
		PM <sub>2.5</sub>	0.20	0.43
Category No. 8 MS&A	Miscellaneous Body Coatings			
SUPERSTK, RTOSTK, PS-T-28 and PS-T-31, WELDFUG, PNTFUG, PRECURE, and ASSY FUG	Cavity Wax Application – Hinge and Cavity	VOC	72.02	146.39
	Underbody PVC Booth	PM	1.38	2.96
	Anti-Chip Booth	PM <sub>10</sub>	1.38	2.96
	Liquid Sound Deadner Booth			
	Sealer Application Booth			
	Weld Shop-wide sealers/adhesives	PM <sub>2.5</sub>	1.38	2.96
	Weldshop Precure (Weld)			
	Assembly Shop-wide Sealers/Adhesives			
Category No. 9 PROCCLEAN	Miscellaneous Process Cleaning			
SUPERTSTK, RTOSTK, and PROCLNFUG  Project Number: 306808	Wiping Solvents	VOC	115.97	248.51
	Purging Cleaners			
	Miscellaneous Plantwide Cleanup	Exempt Solvent	58.72	125.84
Category No. 10				

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PNTREP	Paint Repair			
PS-T-32 and PS-A-13	Offline Repair Booth	VOC	0.28	0.61
	Paint Hospital Booth	PM	0.03	0.01
		PM <sub>10</sub>	0.03	0.01
		PM <sub>2.5</sub>	0.03	0.01
Category No. 11 AFL	Assembly Final Line			
PS-A-3, PS-A-4, ASSYFUG	Roll Test	VOC	0.76	1.62
	Gasoline Dispense	NO <sub>x</sub>	0.82	1.75
	Fluid Fill	CO	3.78	8.09
		PM	0.05	0.10
		PM <sub>10</sub>	0.05	0.10
		PM <sub>2.5</sub>	0.05	0.10
TLS OPERATIONS (Category No. 13)	TLS Operations (Spray in Bed Liner)			
Booth1, Burner 1 and FUG1	Three Spray Booths, Three 1.99 MMBtu/hr Air Makeup Units and Touchup Operations	VOC	14.70	26.00
		PM	0.11	0.19
		PM <sub>10</sub>	0.03	0.06
		PM <sub>2.5</sub>	0.01	0.01
		NO <sub>x</sub> (6)	0.59	2.56
		CO (6)	0.49	2.15
		VOC (6)	0.03	0.14
		SO <sub>2</sub> (6)	0.02	0.02
		PM (6)	0.04	0.19
		PM <sub>10</sub> (6)	0.04	0.19
		PM <sub>2.5</sub> (6)	0.04	0.19
Plant 1 Operations Authorized in the 2018 Permit Amendment				
TPP (Category No. 14) Project Number: 306808	Panel Coating Line	VOC	93.10	166.20
		PM	0.08	0.15
		PM <sub>10</sub>	0.08	0.15

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		Exempt Solvent	6.60	11.90
		NO <sub>x</sub> (6)	5.88	25.77
		CO (6)	9.28	41.16
		VOC (6)	0.61	2.67
		SO <sub>2</sub> (6)	0.07	0.34
		PM (6)	0.88	3.99
		PM <sub>10</sub> (6)	0.88	3.99
		PM <sub>2.5</sub> (6)	0.88	3.99
BODYWELD (Category No. 15)	Stamping Shop and Bodyweld Shop	VOC	31.50	56.30
		PM	0.90	1.60
		PM <sub>10</sub>	0.90	1.60
		PM <sub>2.5</sub>	0.90	1.60
BMST2 (Category No. 16)	Bulk Material Storage Tanks	VOC	0.50	0.90
HVAC (Category No. 20-42)	Shop Expansion HVAC 15 Units – 2.0 MMBtu/hr each	NO <sub>x</sub>	1.86	8.15
		CO	2.47	10.82
		VOC	0.16	0.71
		SO <sub>2</sub>	0.02	0.08
		PM	0.22	0.98
		PM <sub>10</sub>	0.22	0.98
		PM <sub>2.5</sub>	0.22	0.98

Plant 2

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
P2NGCOMB (Category No. 20)	Plant-wide Natural Gas Combustion	VOC	1.98	8.72
		NO <sub>x</sub>	19.50	87.81

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		CO	30.24	133.05
		SO <sub>2</sub>	0.21	0.94
		PM	2.93	13.22
		PM <sub>10</sub>	2.93	13.22
		PM <sub>2.5</sub>	2.93	13.22
P2EMERG (Category No. 21)	Emergency Generators and Fire Pump Engines	VOC	8.90	0.40
		NO <sub>x</sub>	34.80	1.70
		CO	20.40	1.00
		SO <sub>2</sub>	7.20	0.40
		PM	1.70	0.10
		PM <sub>10</sub>	1.70	0.10
		PM <sub>2.5</sub>	1.70	0.10
P2BMST (Category No. 22)	Bulk Material Storage Tanks	VOC	126.60	3.10
P2EQUIPFUG (Category No. 22A)	Tank Farm Equipment Leak Fugitives	VOC	0.05	0.21
P2SSBW (Category No. 23)	Stamping Shop and Bodyweld Shop	VOC	31.50	56.30
		PM	0.02	0.04
		PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	0.02	0.04
P2PPS (Category No. 24)	Primary Paint Shop (E-Coat, Dry Sand, Primer Surfacers, Anti-chip, Basecoat, Clearcoat)	VOC	180.40	322.10
		Exempt Solvent	0.01	0.02
		PM	0.40	0.60
		PM <sub>10</sub>	0.40	0.60
		PM <sub>2.5</sub>	0.40	0.60
P2PELLETS (Category No. 25A)	Plastic Pellet Storage and Conveyance	PM	0.07	0.32
		PM <sub>10</sub>	0.07	0.32

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		PM <sub>2.5</sub>	0.07	0.32
P2PLASPNT (Category No. 25)	Plastics Molding and Painting	VOC	119.90	214.10
		Exempt Solvent	6.48	11.56
		PM	0.20	0.33
		PM <sub>10</sub>	0.20	0.33
		PM <sub>2.5</sub>	0.20	0.33
P2MS&A (Category No. 26)	Miscellaneous Metal Coating and Adhesives	VOC	3.40	6.00
		PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
P2SBODYCOAT (Category No. 27)	Miscellaneous Body Coatings	VOC	62.60	111.70
		PM	0.20	0.40
		PM <sub>10</sub>	0.20	0.40
		PM <sub>2.5</sub>	0.20	0.40
P2PROCLEAN (Category No. 28)	Process Equipment Cleaning	VOC	210.80	400.20
		Exempt Solvent	19.80	35.39
P2PNTREP (Category No. 29)	Paint Final Repair	VOC	1.80	3.30
		PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01
P2AFL (Category No. 30)	Assembly Final Line	VOC	3.20	5.80
		Exempt Solvent	<0.01	0.67
		NO <sub>x</sub>	0.80	1.50
		CO	3.80	6.70
		PM	0.05	0.10
		PM <sub>10</sub>	0.05	0.10

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		PM <sub>2.5</sub>	0.05	0.10
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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Allowable emission rates include planned maintenance, startup and shutdown activities.
- (6) Products of combustion only.

Date: \_\_\_\_\_ DRAFT

## Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX180

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

### Air Contaminants Data

#### Plant 1

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TPP (Category No. 14)	Panel Coating Line	N <sub>2</sub> O (5)	-	0.09
		CH <sub>4</sub> (5)	-	0.93
		CO <sub>2</sub> (5)	-	49,376
		CO <sub>2</sub> e	-	49,427
HVAC (Category 20-42)	Shop Expansion HVAC 15 Units	N <sub>2</sub> O (5)	-	0.03
		CH <sub>4</sub> (5)	-	0.29
		CO <sub>2</sub> (5)	-	15371
		CO <sub>2</sub> e	-	15387
BODYWELD (Category 15)	Stamping Shop/Body Shop - Welding Cover Gas	CO <sub>2</sub> (5)	-	13.10
		CO <sub>2</sub> e	-	13.10

#### Plant 2

P2NGCOMB (Category No. 20)	Plant-wide Natural Gas Combustion	N <sub>2</sub> O (5)	-	0.36
		CH <sub>4</sub> (5)	-	3.65
		CO <sub>2</sub> (5)	-	193,950
		CO <sub>2</sub> e	-	194,150
P2EMERG (Category No. 21)	Emergency Generators and Fire Pump Engines	N <sub>2</sub> O (5)	-	<0.01
		CH <sub>4</sub> (5)	-	<0.01
		CO <sub>2</sub> (5)	-	197.30
		CO <sub>2</sub> e	-	198.00
P2SSBW (Category 23)	Stamping Shop and Bodyweld Shop – Welding Cover Gas	CO <sub>2</sub> (5)	-	13.10
		CO <sub>2</sub> e	-	13.10

(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.



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- (3) N<sub>2</sub>O - nitrous oxide  
CH<sub>4</sub> - methane  
SF<sub>6</sub> -sulfur hexafluoride  
CO<sub>2</sub> - carbon dioxide  
CO<sub>2</sub>e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):  
CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub> (25), SF<sub>6</sub> (22,800).
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: \_\_\_\_\_ DRAFT