

Emission Sources - Maximum Allowable Emission Rates

Permit Number 162531

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 Name (3)	Emission Rates (7)	
			lbs/hour	TPY (4)
STM-01-01	Panel Stamping	VOC	<0.01	<0.01
CAS-01-01 through CAS-01-10	Casting Furnaces Cap	VOC	0.69	3.02
		PM ₁₀	1.22	5.34
		PM _{2.5}	1.22	5.34
		NO _x	8.24	36.09
		CO	4.73	20.72
		SO ₂	0.08	0.33
CAS-01-21 through CAS-01-30	Metal Trimming Machines Cap	PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
SND-01	Sanding	PM ₁₀	0.04	0.18
BIW-01-01 through BIW-01-15	Body in White Sealers and Adhesives	VOC	1.08	2.36
PPT-01a, PPT-02a, PPT-03a	Pretreat Line A	VOC	0.26	0.56
		Nitric Acid	0.13	0.28
		Hydrofluoric Acid	0.02	0.03
ECT-03a	E-coat Sanding Line A	PM ₁₀	0.21	0.55
		PM _{2.5}	0.21	0.55
ECT-05-PMa	E-Coat Line A (Heavy Sanding)	PM ₁₀	<0.01	0.04
		PM _{2.5}	<0.01	0.04
TO-01a	Body Paint Line A: E-coat Dip Tank, E-coat Oven, Heated Flash Basecoat 1 Booth, Basecoat 2, Booth, Clearcoat Booth, Clearcoat Oven and Purge Solvent, E-coat Oven Burners, E-coat Air Supply Air	VOC	31.44	66.46
		PM ₁₀	0.33	1.45
		PM _{2.5}	0.30	1.31
		NO _x	2.87	12.58
		CO	6.96	30.49

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	0.02	0.10
		Exempt Solvents	0.46	1.00
PRA-01a	Paint Repair Area Line a (Offline)	VOC	0.15	0.66
		PM ₁₀	0.00	0.01
		PM _{2.5}	0.00	0.00
		Exempt Solvents	0.04	0.15
PRA-02a	Paint Repair Area Line a (GA)	VOC	0.15	0.66
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.00
		Exempt Solvents	0.04	0.15
		PM _{2.5}	<0.01	0.04
BRN-01	Heated Flash Line A - Burner 1, 2 and 3 4.08 MMBtu/hr	VOC	0.02	0.10
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		NO _x	0.30	1.31
		CO	1.19	5.22
		SO ₂	<0.01	0.01
BRN-02	Dehumidifier Line A Air Supply Heater 1.02 MMBtu/hr	VOC	<0.01	0.02
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.03
		NO _x	0.07	0.33
		CO	0.30	1.30
		SO ₂	<0.01	0.01
PPT-01b, PPT-02b, PPT-03b	Pretreat Line B	VOC	0.26	0.56
		Nitric Acid	0.13	0.28
		Hydrofluoric Acid	0.02	0.03
ECT-03b	E-coat Sanding Line B	PM ₁₀	0.21	0.55
		PM _{2.5}	0.21	0.55
ECT-05-PMb	E-Coat Line B (Heavy Sanding)	PM ₁₀	<0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

TO-01b	Body Paint Line B: E-coat Dip Tank, E-coat Oven, Heated Flash Basecoat 1 Booth, Basecoat 2, Booth, Clearcoat Booth, Clearcoat Oven and Purge Solvent E-coat Oven Burners, E-coat Air Supply Air Heaters, Topcoat Oven Burners, Topcoat Air Supply Heaters, Concentrator Burners, and Redundant RTO Burners 78.82 MMBtu/hr	VOC	31.44	66.46
		PM ₁₀	0.33	1.45
		PM _{2.5}	0.30	1.31
		NO _x	2.87	12.58
		CO	6.96	30.49
		SO ₂	0.02	0.10
		Exempt Solvent	0.46	1.00
PRA-01b	Paint Repair Area Line B (Offline)	VOC	0.15	0.66
		PM ₁₀	0.00	0.01
		PM _{2.5}	0.00	0.00
		Exempt Solvents	0.04	0.15
PRA-02b	Paint Repair Area Line B (GA)	VOC	0.15	0.66
		PM ₁₀	0.00	0.01
		PM _{2.5}	0.00	0.00
		Exempt Solvents	0.04	0.15
BRN-03	Heated Flash Line B – Burner 1, 2 and 3 4.08 MMBtu/hr	VOC	0.02	0.10
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		NO _x	0.30	1.31
		CO	1.19	5.22
		SO ₂	<0.01	0.01
BRN-04	Dehumidifier Line B Air Supply Heater 1.02 MMBtu/hr	VOC	<0.01	0.02
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.03
		NO _x	0.07	0.33
		CO	0.30	1.30

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	<0.01	0.01
BRN-06	Air Supply Houses- ASH-01 through ASH-07, ASH Paint Mix Room, ASH Paint Hospital, ASH Clean Room 52.92 MMBtu/hr	VOC	0.29	1.25
		PM ₁₀	0.39	1.73
		PM _{2.5}	0.39	1.73
		NO _x	3.86	16.89
		CO	9.63	42.19
		SO ₂	0.03	0.14
TO-03	ASU Booth 6.14 MMBtu/hr (includes PL-BRN-01 and TO-03)	VOC	0.03	0.15
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20
		NO _x	0.36	1.57
		CO	0.61	2.68
		SO ₂	<0.01	0.02
PL-BRN-02	ARU Heated Flash 1	VOC	<0.01	0.01
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
		NO _x	0.03	0.15
		CO	0.16	0.72
		SO ₂	<0.01	<0.01
PL-BRN-03	ARU Heated Flash 2	VOC	<0.01	<0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
		NO _x	0.02	0.10
		CO	0.11	0.48
		SO ₂	<0.01	<0.01
PL-BRN-04	Oven Zone 1/2	VOC	<0.01	0.01
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
		NO _x	0.02	0.10

Emission Sources - Maximum Allowable Emission Rates

		CO	0.09	0.39
		SO ₂	<0.01	<0.01
PL-BRN-05	Oven Zone 3/Hold up 1	VOC	<0.01	0.0202
		PM ₁₀	<0.01	0.0279
		PM _{2.5}	<0.01	0.0279
		NO _x	0.03	0.13
		CO	0.12	0.55
		SO ₂	<0.01	<0.01
PL-BRN-06	Oven Hold up 2	VOC	<0.01	0.02
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.03
		NO _x	0.0357	0.16
		CO	0.14	0.63
		SO ₂	<0.01	<0.01
PL-BRN-07	ASU Clean Room	VOC	<0.01	0.016
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
		NO _x	0.04	0.19
		CO	0.12	0.53
		SO ₂	<0.01	<0.01
PL-BRN-08	ASU Shop / Work Deck	VOC	0.03	0.13
		PM ₁₀	0.043	0.19
		PM _{2.5}	0.043	0.19
		NO _x	0.37	1.62
		CO	1.04	4.55
		SO ₂	<0.01	<0.01
TO-03	Regenerative Thermal Oxidizer Burner (Redundant)	VOC	0.02	0.09
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12

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		NO _x	0.20	0.89
		CO	0.18	0.77
		SO ₂	<0.01	<0.01
TO-03	Plastic Paint-Purge Solvent - Controlled	VOC	1.35	2.95
TO-03	Plastic Paint-Basecoat #1 - Controlled	VOC	1.40	3.06
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	<0.01
TO-03	Plastic Paint-Basecoat #2 - Controlled Line 1	VOC	0.76	1.70
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	<0.01
TO-03	Plastic Paint-Clearcoat Controlled Line 1	VOC	2.34	5.12
		PM ₁₀	<0.01	0.025
		PM _{2.5}	<0.01	<0.01
PPL-CAP3	Plastics Paint Line Cap	VOC	5.85	12.82
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.02
PCFILTER-01	Powder Coat Booth-01 FILTER-01	PM ₁₀	0.11	0.46
		PM _{2.5}	0.04	0.15
PCOven-01	Powder Coat Booth-01 PCOVEN-01 5.12 MMBtu/hr	VOC	0.03	0.15
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
		NO _x	0.17	0.74
		CO	0.38	1.66
		SO ₂	<0.01	0.01
PCFILTER-02	Powder Coat Booth-02 FILTER-02	PM ₁₀	0.11	0.46
		PM _{2.5}	0.04	0.15
PCOven-02	Powder Coat Booth-02 PCOVEN-02 5.12 MMBtu/hr	VOC	0.03	0.15
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17

Emission Sources - Maximum Allowable Emission Rates

		NO _x	0.17	0.74
		CO	0.38	1.66
		SO ₂	<0.01	0.01
PCFILTER-03	Powder Coat Booth-03 FILTER-03	PM ₁₀	0.11	0.46
		PM _{2.5}	0.04	0.15
PCOven-03	Powder Coat Booth-03 PCOVEN-03 10.24 MMBtu/hr	VOC	0.06	0.27
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.08	0.343
		NO _x	0.34	1.48
		CO	0.76	3.31
		SO ₂	<0.01	0.03
PDO-01	Parts Dryoff Oven 10.24 MMBTU/hr	VOC	0.0553	0.2422
		PM ₁₀	0.0768	0.3363
		PM _{2.5}	0.0768	0.3363
		NO _x	0.3378	1.4796
		CO	0.7568	3.3147
		SO ₂	0.0062	0.027
WSCO-01	Wade Seal Cure Oven 3.5 MMBtu/hr	VOC	0.02	0.08
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
		NO _x	0.12	0.51
		CO	0.26	1.13
		SO ₂	<0.01	0.01
FCD-1	Foil Coat Dryer 1 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82
		SO ₂	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

FCD-2	Foil Coat Dyer 2 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82
		SO ₂	<0.01	<0.01
FCD-3	Foil Coat Dryer 3 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82
		SO ₂	<0.01	<0.01
FCD-4	Foil Coat Dryer 4 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82
		SO ₂	<0.01	<0.01
FCD-5	Foil Coat Dryer 5 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82
		SO ₂	<0.01	<0.01
FCD-6	Foil Coat Dryer 6 1.64 MMBtu/hr	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.08	0.33
		CO	0.19	0.82

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	<0.01	<0.01
FCD Cap	Foil Coat Dryers Cap 9.84 MMBTU/hr	VOC	0.05	0.23
		PM ₁₀	0.07	0.32
		PM _{2.5}	0.07	0.32
		NO _x	0.45	1.97
		CO	1.12	4.91
		SO ₂	<0.01	0.03
CLL-01	Cell Dust Collection System 1	PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
CLL-02	Cell Dust Collection System 2	PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
CLL-03	Cell Dust Collection System 3	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
CLL-04	Cell Dust Collection System 4	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
CLL-05	Cell Assembly	VOC	0.24	1.03
		Exempt Solvent	0.39	1.73
CTU-01	Cooling Tubes	VOC	<0.01	<0.01
BTM-01	Battery Module Assembly	VOC	3.03	5.26
INV-01	Inverter lines	VOC	0.27	1.18
STR-01-01	Stator Lines	VOC	1.67	7.33
BRO-01	Brazing Oven	VOC	0.02	0.07
GAA-07	General Assembly Area Adhesives	VOC	0.84	1.84
GAA-01	Windshield Washer Fluid Tank No. 1	VOC	2.41	0.02
GAA-02	Windshield Washer Fluid Tank No. 2	VOC	2.41	0.02
GAA-03	Windshield Washer Fluid Tank No. 3	VOC	0.36	<0.01
GAA-04	Coolant Tank No. 1	VOC	1.43	0.01
GAA-05	Brake Fluid Tank No.	VOC	0.06	<0.01

Emission Sources - Maximum Allowable Emission Rates

	1			
GAA-06	General Assembly Tote Filling	VOC	2.89	1.47
WIP-01	Plantwide Wipe Cleaning	VOC	9.45	41.40
BLR-01 through BLR-13	Boilers 1 thru 13 (at 6 MMBtu/hr each boiler)	VOC	0.42	1.84
		PM ₁₀	0.58	2.55
		PM _{2.5}	0.58	2.55
		NO _x	0.86	3.76
		CO	6.42	28.14
		SO ₂	0.05	0.20
FP-01	Cells Fire Pump 1	VOC	0.03	<0.01
		PM ₁₀	0.03	<0.01
		PM _{2.5}	0.03	<0.01
		NO _x	0.62	0.10
		CO	0.18	0.03
		SO ₂	<0.01	<0.01
FP-02	Cells Fire Pump 2	VOC	0.03	<0.01
		PM ₁₀	0.03	<0.01
		PM _{2.5}	0.03	<0.01
		NO _x	0.62	0.10
		CO	0.18	0.03
		SO ₂	<0.01	<0.01
CT-1	Cooling Tower	PM	0.20	0.87
		PM ₁₀	0.20	0.87
		PM _{2.5}	0.10	0.43
CTW-02	Cooling Tower-02	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-03	Cooling Tower-03	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-04	Cooling Tower-04	PM ₁₀	0.05	0.22

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.02	0.11
CTW-05	Cooling Tower-05	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-06	Cooling Tower-06	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-07	Cooling Tower-07	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-08	Cooling Tower-08	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-09	Cooling Tower-09	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-10	Cooling Tower-10	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-11	Cooling Tower-11	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-12	Cooling Tower-12	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-13	Cooling Tower-13	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-14	Cooling Tower-14	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-15	Cooling Tower-15	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-16	Cooling Tower-16	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-17	Cooling Tower-17	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-18	Cooling Tower-18	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11

Emission Sources - Maximum Allowable Emission Rates

CTW-19	Cooling Tower-19	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-20	Cooling Tower-20	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-21	Cooling Tower-21	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-22	Cooling Tower-22	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-23	Cooling Tower-23	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-24	Cooling Tower-24	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-25	Cooling Tower-25	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-26	Cooling Tower-26	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-27	Cooling Tower-27	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-28	Cooling Tower-28	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-29	Cooling Tower-29	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-30	Cooling Tower-30	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-31	Cooling Tower-31	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-32	Cooling Tower-32	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-33	Cooling Tower-33	PM ₁₀	0.05	0.22

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.02	0.11
CTW-34	Cooling Tower-34	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-35	Cooling Tower-35	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-36	Cooling Tower-36	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
CTW-37	Cooling Tower-37	PM ₁₀	0.05	0.22
		PM _{2.5}	0.02	0.11
WWTP-1	Wastewater Treatment Plant	VOC	0.15	0.67
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		Exempt Solvent	0.04	0.17
MSS-01-01	MSS for Basecoat/Topcoat Filter Changeout	VOC	0.07	0.30
		Exempt Solvent	0.03	0.12
TO-01a	Line A MSS for Booth Cleaning	VOC	0.71	3.12
		Exempt Solvent	0.29	1.27
TO-01b	Line B MSS for Booth Cleaning	VOC	0.71	3.12
		Exempt Solvent	0.29	1.27
MSS-PL-01	Plastic Parts MSS for Filter Changeout	VOC	0.07	0.30
		Exempt Solvents	0.03	0.12
MSS-PL-02	Plastic Parts MSS for Booth Cleaning	VOC	0.05	0.21
		Exempt Solvents	0.02	0.09
PILOT BLD FUG	Startup and Pilot Build Coating Lines Without Abatement	VOC	55.24	0.93
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
CAS-01-01 and CAS-01-02	Casting Furnaces – 2 Total During Startup/Shakedown for no more than 120 Days	VOC	0.14	0.20
		PM ₁₀	0.20	0.29
		PM _{2.5}	0.20	0.29

Emission Sources - Maximum Allowable Emission Rates

CAS-01-01 through CAS-01-10	Casting Furnace During Filtration System Bypass for Filtration System Maintenance	NO _x	1.64	2.36
		CO	0.94	1.35
		SO ₂	0.02	0.03
		VOC	0.26	0.02
		PM ₁₀	0.36	0.03
		PM _{2.5}	0.36	0.03
		NO _x	3.09	0.23
All EPNs	All Sources at the Site	CO	1.77	0.13
		SO ₂	0.03	<0.01
		Individual HAP	---	<10
		Total HAP	---	<25

- (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) 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_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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.
- (6) Products of combustion.
- (7) Includes planned maintenance, startup and shutdown activities.

Date: _____