

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 56483

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 (5)	
			lbs/hour	TPY (4)
P1	Green Bean and Tea Handling Baghouse Stack	PM	0.98	2.10
		PM <sub>10</sub>	0.98	2.10
		PM <sub>2.5</sub>	0.98	2.10
P2	Continuous Coffee Roaster No. 1 Afterburner Stack	PM	1.24	3.66
		PM <sub>10</sub>	1.24	3.66
		PM <sub>2.5</sub>	1.24	3.66
		NO <sub>x</sub>	1.11	4.84
		CO	0.93	4.07
		VOC	0.06	0.27
		Acrolein	0.08	0.22
		Acetaldehyde	0.04	0.11
		Acetic Acid	0.11	0.31
		SO <sub>2</sub>	0.01	0.03
P3	Continuous Coffee Roaster No. 2 Afterburner Stack	PM	1.24	3.66
		PM <sub>10</sub>	1.24	3.66
		PM <sub>2.5</sub>	1.24	3.66
		NO <sub>x</sub>	1.11	4.84
		CO	0.93	4.07
		VOC	0.06	0.27
		Acrolein	0.08	0.22

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P3	Continuous Coffee Roaster No. 2 Afterburner Stack	Acetaldehyde	0.04	0.11
		Acetic Acid	0.11	0.31
		SO <sub>2</sub>	0.01	0.03
P2BP	Continuous Roaster No. 1 Bypass Stack	PM	0.05	0.01
		PM <sub>10</sub>	0.05	0.01
		PM <sub>2.5</sub>	0.05	0.01
		NO <sub>x</sub>	0.66	0.09
		CO	0.56	0.07
		VOC	0.04	0.01
		SO <sub>2</sub>	<0.01	<0.01
P3BP	Continuous Roaster No. 2 Bypass Stack	PM	0.05	0.01
		PM <sub>10</sub>	0.05	0.01
		PM <sub>2.5</sub>	0.05	0.01
		NO <sub>x</sub>	0.66	0.09
		CO	0.56	0.07
		VOC	0.04	0.01
		SO <sub>2</sub>	<0.01	<0.01
P4	Continuous Cooler No. 1 Cyclones Stack	PM	0.17	0.48
		PM <sub>10</sub>	0.17	0.48
		PM <sub>2.5</sub>	0.17	0.48
P5	Continuous Cooler No. 2 Cyclones Stack	PM	0.17	0.48
		PM <sub>10</sub>	0.17	0.48
		PM <sub>2.5</sub>	0.17	0.48
P6	Continuous Destoner No. 1 Cyclones Stack	PM	0.17	0.48
		PM <sub>10</sub>	0.17	0.48

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		PM <sub>2.5</sub>	0.17	0.48
P7	Continuous Destoner No. 2 Cyclones Stack	PM	0.17	0.48
		PM <sub>10</sub>	0.17	0.48
		PM <sub>2.5</sub>	0.17	0.48
P8	Batch Coffee Roaster No. 1 Afterburner Stack	PM	0.24	0.21
		PM <sub>10</sub>	0.24	0.21
		PM <sub>2.5</sub>	0.24	0.21
		NO <sub>x</sub>	0.74	2.44
		CO	0.62	2.05
		VOC	0.04	0.13
		Acrolein	0.02	<0.01
		Acetaldehyde	0.01	<0.01
		Acetic Acid	0.03	<0.01
		SO <sub>2</sub>	<0.01	0.01
P9	Batch Coffee Roaster No. 2 Afterburner Stack	PM	0.24	0.21
		PM <sub>10</sub>	0.24	0.21
		PM <sub>2.5</sub>	0.24	0.21
		NO <sub>x</sub>	0.74	2.44
		CO	0.62	2.05
		VOC	0.04	0.13
		Acrolein	0.02	<0.01
P9	Batch Coffee Roaster No. 2 Afterburner Stack	Acetaldehyde	0.01	<0.01
		Acetic Acid	0.03	<0.01
		SO <sub>2</sub>	<0.01	0.01
P10	Batch Cooler Nos. 1 and 2 Cyclone Stack	PM	0.08	0.01

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		PM <sub>10</sub>	0.08	0.01
		PM <sub>2.5</sub>	0.08	0.01
P11	Batch Destoner Nos. 1 and 2 Cyclone Stack	PM	0.08	0.01
		PM <sub>10</sub>	0.08	0.01
		PM <sub>2.5</sub>	0.08	0.01
P12	Chaff Collector Cyclones Stack	PM	0.94	2.30
		PM <sub>10</sub>	0.94	2.30
		PM <sub>2.5</sub>	0.94	2.30
P18	Batch Coffee Roaster No. 3 Afterburner Stack	PM	0.18	0.14
		PM <sub>10</sub>	0.18	0.14
		PM <sub>2.5</sub>	0.18	0.14
		NO <sub>x</sub>	0.46	1.52
		CO	0.38	1.27
		VOC	0.03	0.08
		Acrolein	0.02	<0.01
		Acetaldehyde	0.01	<0.01
		Acetic Acid	0.02	<0.01
		SO <sub>2</sub>	<0.01	0.01
P19	Batch Cooler No. 3 Cyclone Stack	PM	0.04	0.01
		PM <sub>10</sub>	0.04	0.01
		PM <sub>2.5</sub>	0.04	0.01
P20	Batch Destoner No. 3 Cyclone Stack	PM	0.04	0.01
		PM <sub>10</sub>	0.04	0.01
		PM <sub>2.5</sub>	0.04	0.01

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P13	Receiver No. 1 Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
P14	Receiver No. 2 Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
P15	Receiver No. 3 Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
P16	Receiver No. 4 Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
P17	Receiver No. 5 Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
P21	Batch Roaster for R&D Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.01	<0.01
		CO	0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01

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- (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) 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>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: August 14, 2014