

Emission Sources - Maximum Allowable Emission Rates

Permit Number 167860

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 (6)	
			lbs/hour	TPY (4)
BLR-1	Boiler 1 Stack	VOC	0.26	1.16
		NO <sub>x</sub>	0.47	2.05
		CO	0.79	3.47
		PM	0.37	1.60
		PM <sub>10</sub>	0.37	1.60
		PM <sub>2.5</sub>	0.37	1.60
		SO <sub>2</sub>	0.03	0.13
BLR-2	Boiler 2 Stack	VOC	0.26	1.16
		NO <sub>x</sub>	0.47	2.05
		CO	0.79	3.47
		PM	0.37	1.60
		PM <sub>10</sub>	0.37	1.60
		PM <sub>2.5</sub>	0.37	1.60
		SO <sub>2</sub>	0.03	0.13
BLR-3	Boiler 3 Stack	VOC	0.26	1.16
		NO <sub>x</sub>	0.47	2.05
		CO	0.79	3.47
		PM	0.37	1.60
		PM <sub>10</sub>	0.37	1.60
		PM <sub>2.5</sub>	0.37	1.60
		SO <sub>2</sub>	0.03	0.13
BLR-4	Boiler 4 Stack	VOC	0.26	1.16
		NO <sub>x</sub>	0.47	2.05
		CO	0.79	3.47
		PM	0.37	1.60
		PM <sub>10</sub>	0.37	1.60
		PM <sub>2.5</sub>	0.37	1.60
		SO <sub>2</sub>	0.03	0.13

WPC-1-COMB	Whey Protein Concentrate Dryer	VOC	0.09	0.38
------------	--------------------------------	-----	------	------

Emission Sources - Maximum Allowable Emission Rates

	Baghouse Stack	NO <sub>x</sub>	1.01	4.43
		CO	8.20	35.94
		PM	0.12	0.52
		PM <sub>10</sub>	0.12	0.52
		PM <sub>2.5</sub>	0.12	0.52
		SO <sub>2</sub>	0.01	0.04
SWD-1-COMB	Sweet Whey Dryer 1 Baghouse Stack	VOC	0.11	0.47
		NO <sub>x</sub>	0.72	3.14
		CO	4.42	19.35
		PM	0.15	0.65
		PM <sub>10</sub>	0.15	0.65
		PM <sub>2.5</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.05
SWD-2-COMB	Sweet Whey Dryer 2 Baghouse Stack	VOC	0.11	0.47
		NO <sub>x</sub>	0.72	3.14
		CO	4.42	19.35
		PM	0.15	0.65
		PM <sub>10</sub>	0.15	0.65
		PM <sub>2.5</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.05
WPCBH	WPC Dryer Baghouse Stack	PM	4.28	18.75
		PM <sub>10</sub>	4.28	18.75
		PM <sub>2.5</sub>	4.28	18.75
DRYERBH_1	Dryer Main Baghouse 1 & 2 Stack	PM	0.69	3.03
		PM <sub>10</sub>	0.69	3.03
		PM <sub>2.5</sub>	0.69	3.03
DRYERBH_2	Dryer Main Baghouse 3 & 4 Stack	PM	0.69	3.03
		PM <sub>10</sub>	0.69	3.03
		PM <sub>2.5</sub>	0.69	3.03
FLUIDBH	Fluid Bed Baghouse Stack	PM	0.60	2.62
		PM <sub>10</sub>	0.60	2.62
		PM <sub>2.5</sub>	0.60	2.62
POWDERBH	Powder Receiver Baghouse Stack	PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08
ALL_PACK	SW/Permeate/Whey Protein Powder	PM	0.35	1.53

Emission Sources - Maximum Allowable Emission Rates

	Packaging Baghouse Stack	PM <sub>10</sub>	0.35	1.53
		PM <sub>2.5</sub>	0.35	1.53
BULK_LOAD	Bulk Powder Loadout Baghouse Stack	PM	0.74	3.23
		PM <sub>10</sub>	0.74	3.23
		PM <sub>2.5</sub>	0.74	3.23
SALT_LOAD	Salt Transport and Loadout Baghouse Stack	PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08

- (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
- CO - carbon monoxide
- 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
- SO<sub>2</sub> - sulfur dioxide
- (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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: January 31, 2025