EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8758

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.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
F-400	Fugitives	VOC (4)	17.52	76.72
401	Cat Supp Dehydrator	PM_{10}	0.02	0.06
401B	Scrubber	VOC	0.61	2.42
402	Cat Blow Tank	PM_{10}	<0.01	<0.01
403	Storage Vessel	PM_{10}	0.02	0.08
412	Cat Deactivator	VOC	0.64	0.05
413	Cat FDR RX44	PM_{10}	<0.01	0.04
415	Cat FDR RX45	PM_{10}	<0.01	0.04
423	Prod. Conveying	PM_{10}	<0.01	<0.01
424	Prod. Conveying	PM_{10}	<0.01	<0.01
429A	Analyzer	VOC	0.36	0.43
429B	Analyzer	VOC	0.36	0.43
429C	Analyzer	VOC	0.67	0.08
429D	Analyzer	VOC	0.67	0.08
429E	Analyzer	VOC	0.36	0.43
429F	Analyzer	VOC	0.36	0.43

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641A	Analyzer	VOC	0.07	0.08
642A	Analyzer	VOC	1.84	2.21
642B	Analyzer	VOC	1.84	2.21

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
642C	Analyzer	VOC	0.01	<0.01
642D	Analyzer	VOC	0.01	<0.01
642E	Analyzer	VOC	0.01	<0.01
642F	Analyzer	VOC	1.3	1.56
642G	Analyzer	VOC	0.01	<0.01
642H	Analyzer	VOC	0.01	<0.01
646A	Filter Receiver	PM_{10}	1.13	0.02
647A	Storage Silo	PM_{10}	1.13	0.02
648	Additive Vacuum	PM_{10}	<0.01	<0.01
649	Additive Vacuum	PM_{10}	<0.01	<0.01
650	Spin Drier 4A	PM_{10}	0.20	0.80
651	Spin Drier 4B	PM_{10}	0.20	0.80
652	Product Silo	PM_{10}	1.15	0.03
653	Product Silo	PM_{10}	1.15	0.03
654AB	Flo-Triator	PM_{10}	0.21	0.83
655AB	Flo-Triator	PM_{10}	0.21	0.83
685	Storage Silo	PM_{10}	0.01	0.01
686	Seed Silo	PM_{10}	0.01	<0.01
687	Feed Hopper	PM_{10}	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
688	Feed Hopper	PM_{10}	<0.01	0.01
689	Product Silo	PM_{10}	0.06	0.13
690	Product Silo	PM_{10}	0.06	0.12
691	Product Silo	PM_{10}	0.06	0.13
692	Product Silo	PM_{10}	0.06	0.12
695	Sample Pot	PM_{10}	0.03	0.03
696	Sample Pot	PM_{10}	0.03	0.03
697	Sample Pot	PM_{10}	2.80	0.05
698	Sample Pot	PM_{10}	1.07	0.04
699	Sample Pot	PM_{10}	0.90	0.05
721	Flare Air-Assist	VOC	64.94	259.77
		CO	39.12	156.46
		NO_x	4.56	18.25
860	Cooling Tower	PM_{10}	0.5	2.0
		VOC	<0.01	<0.01
723	Boiler	VOC	0.03	0.12
		CO	0.11	0.43
		NO_x	0.54	2.17
		PM_{10}	0.01	0.03
		SO_x	<0.01	0.01
723A	Boiler	VOC	0.03	0.12
		CO	0.11	0.43
		NO_x	0.54	2.17
		PM_{10}	0.01	0.03

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		SO_x	<0.01	0.01
800	Fugitives	VOC (4)	5.84	25.57
801	Cat Supp Dehydrator	PM_{10}	0.02	0.06
802	Cat Blow Tank	PM_{10}	<0.01	0.01
803	Storage	PM_{10}	0.01	0.04
811	Cat Blow Tank	PM_{10}	<0.01	<0.01
813	Cat Feeder	PM_{10}	0.01	0.04

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
819A	Analyzer	VOC	0.36	0.43
819B	Analyzer	VOC	0.36	0.43
819C	Analyzer	VOC	0.36	0.43
819D	Analyzer	VOC	0.36	0.43
819E	Analyzer	VOC	0.36	0.43
821	Product Convey	PM_{10}	<0.01	<0.01
848	Dust Collector	PM_{10}	<0.01	<0.01
849AB	Additive Vacuum	PM_{10}	<0.01	<0.01
850	Spin Drier	PM_{10}	0.25	1.01
851	Spin Drier	PM_{10}	0.25	1.00
854	Elutriator	PM_{10}	0.04	0.14
855	Elutriator	PM_{10}	0.03	0.14
858	Flare-Ground	VOC	7.22	28.86

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		CO	4.35	17.38
		NO_x	0.51	2.03
863	Hexene Storage	VOC	0.55	2.41
871	Filter Receiver	PM_{10}	0.04	0.16
872	Filter Receiver	PM_{10}	0.05	0.21
871	Filter Receiver	PM_{10}	0.05	0.20
877	Additive Vacuum	PM_{10}	<0.01	<0.01
878	Product Silo	PM_{10}	0.58	0.03
879	Product Silo	PM_{10}	0.57	0.03
884	Feed Silo	PM_{10}	0.02	0.02

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
885	Feed Silo	PM_{10}	<0.01	<0.01
886	Feed Silo	PM_{10}	0.10	0.19
887	Feed Silo	PM_{10}	<0.01	<0.01
888	Feed Silo	PM_{10}	<0.01	<0.01
889	Feed Silo	PM_{10}	0.02	0.02
890	Feed Silo	PM_{10}	<0.01	<0.01
891	Feed Silo	PM_{10}	0.05	0.19
892	Feed Silo	PM_{10}	<0.01	<0.01
893	Feed Silo	PM_{10}	<0.01	<0.01
894	Blender Vent	PM_{10}	<0.01	<0.01

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895	Nitrogen Vent	PM_{10}	<0.01	<0.01
896	Nitrogen Vent	PM_{10}	<0.01	<0.01
900	Filter Receiver	PM_{10}	0.01	<0.01
901	Blender Vent	PM_{10}	<0.01	<0.01
902	Storage	PM_{10}	0.02	<0.01
910	Feed Silo	PM_{10}	0.04	0.07
911	Feed Silo	PM_{10}	0.01	0.01
912	Feed Silo	PM_{10}	<0.01	<0.01
913	Feed Silo	PM_{10}	<0.01	<0.01
914	Refill Feeder	PM_{10}	0.01	0.01
915	Refill Feeder	PM_{10}	<0.01	<0.01
916	Refill Feeder	PM_{10}	<0.01	<0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
917	Refill Feeder	PM_{10}	<0.01	<0.01
918	Refill Feeder	PM_{10}	<0.01	<0.01
919	Hold-up Bin	PM_{10}	<0.01	<0.01
920	Cooler	PM_{10}	<0.01	<0.01
921	Mixer	PM_{10}	<0.01	0.01
922	Storage Silo	PM_{10}	<0.01	<0.01
923	Storage Silo	PM_{10}	<0.01	<0.01
925	Product Silo	PM_{10}	0.02	0.03

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926	Product Silo	PM_{10}	0.02	0.03
927	Filter Receiver	PM_{10}	<0.01	<0.01
928	Loading Filter	PM_{10}	0.21	0.83
929	Product Silo	PM_{10}	0.02	0.03
930	Feed Silo	PM_{10}	0.04	0.07
931	Feed Silo	PM_{10}	0.01	0.01
932	Feed Silo	PM_{10}	<0.01	<0.01
933	Feed Silo	PM_{10}	<0.01	<0.01
934	Refill Feeder	PM_{10}	0.01	0.01
935	Refill Feeder	PM_{10}	<0.01	<0.01
936	Refill Feeder	PM_{10}	<0.01	<0.01
937	Refill Feeder	PM_{10}	<0.01	<0.01
938	Refill Feeder	PM_{10}	<0.01	<0.01
939	Mixer	PM_{10}	<0.01	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
940	Cooler	PM_{10}	<0.01	<0.01
941	Hold-up Bin	PM_{10}	<0.01	<0.01
942	Storage Silo	PM_{10}	<0.01	<0.01
943	Storage Silo	PM_{10}	<0.01	<0.01
945	Product Silo	PM_{10}	0.02	0.03

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946	Product Silo	PM_{10}	0.02	0.03
947	Product Silo	PM_{10}	0.02	0.03
948	Loading Filter	PM_{10}	0.21	0.83
949	Filter Receiver	PM_{10}	<0.01	<0.01
950	Dust Collector	PM_{10}	<0.01	0.01
951	Sampler	PM_{10}	18.53	0.03
952	Sampler	PM_{10}	18.53	0.03
953	Sampler	PM_{10}	1.60	0.05
954	Sampler	PM_{10}	23.47	0.04
959	Sample Hopper	PM_{10}	0.06	0.03
960	Sample Hopper	PM_{10}	0.06	0.03
961	Sample Hopper	PM_{10}	0.09	0.05
962	Sample Hopper	PM_{10}	0.07	0.04
963	Reclaim System	PM_{10}	<0.01	<0.01
970	Storage	PM_{10}	0.04	0.01
644	Surge Silo	PM_{10}	0.10	0.40
		VOC (5)	20.25	81.00

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
645	Surge Silo	PM_{10} VOC (5)	0.09	0.34
659	Surge Silo	PM_{10} VOC (5)	0.10	0.40
660	Surge Silo	PM_{10} VOC (5)	0.10	0.40
661	Surge Silo	PM_{10} VOC (5)	0.10	0.40
662	Surge Silo	PM_{10} VOC (5)	0.09	0.34
663	Surge Silo	PM_{10} VOC (5)	0.09	0.34
664	Surge Silo	PM_{10} VOC (5)	0.09	0.34
844	Surge Silo	PM_{10} VOC (5)	0.10	0.40
845	Surge Silo	PM10 VOC (5)	0.09	0.34
866	Surge Silo	PM_{10} VOC (5)	0.10	0.40
867	Surge Silo	PM_{10} VOC (5)	0.10	0.40
868	Surge Silo	PM_{10} VOC (5)	0.10	0.40
869	Surge Silo	PM_{10} VOC (5)	0.10	0.40

870	Surge Silo	PM_{10} VOC (5)	0.10	0.40

(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_{10} - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_x - sulfur oxides
CO - carbon monoxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) The rate listed is a total cumulative emission rate from all surge silos.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year_8,760__

Dated_____