EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 (4)	VOC	13.25	58.02
401	Cat Sup Dehydrator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC	0.40	0.03
402	Cat Blow Tank	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
403	Storage Vessel	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
413	Cat Fdr RX44	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
415	Cat Fdr RX45	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
423	Prod. Conveying Filter	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.03	0.11
		VOC	(15)	(15)
424	Prod. Conveying Filter	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.03	0.11
		VOC	(15)	(15)
429A	Analyzer	VOC	0.36	0.43

429B	Analyzer	VOC	0.36	0.43

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY **
429C	Analyzer	VOC	0.67	0.80
429D	Analyzer	VOC	0.67	0.80
429E	Analyzer	VOC	0.36	0.43
429F	Analyzer	VOC	0.36	0.43
612-F5959	TNPPTANK	VOC	0.02	0.01
612-F6640A	OMS/Peroxide Tank	VOC	0.04	0.01
612-F6640B	OMS/Peroxide Tank	VOC	0.04	0.01
612-F4706	Diesel Tank	VOC	0.02	0.01
641A	Analyzer	VOC	0.07	0.08
642A	Analyzer	VOC	1.84	2.21
642B	Analyzer	VOC	1.84	2.21
642C	Analyzer	VOC	0.01	0.01
642D	Analyzer	VOC	0.01	0.01
642E	Analyzer	VOC	0.01	0.01
642F	Analyzer	VOC	1.30	1.56
642G	Analyzer	VOC	0.01	0.01

642H	Analyzer	VOC	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
643	Analyzer	VOC	0.13	0.57
645	Surge Silo	PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.02
	TSP	0.50	2.07	
		TSP	0.37	1.51
		VOC (15)	111.38	162.00
646A	Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.28	0.28
647A	Storage Silo	PM_{10}	0.31	0.58
		$PM_{2.5}$	0.21	0.38
		TSP	0.52	0.96
648	Additive Vacuum	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		TSP	0.01	0.04
649	Additive Vacuum	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		TSP	0.01	0.04
650	Spin Drier 4A	TSP	1.33	5.81
		VOC	(15)	(15)
651	Spin Drier 4B	TSP	(18)	(18)
		VOC	(15)	(15)
652	Product Silo	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02

		TSP	0.28	1.12
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
653	Product Silo	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		TSP	0.28	1.12
		VOC	(15)	(15)
654AB	L4A Flo-Triator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.52	2.10
		VOC	(15)	(15)
655AB	L4B Flo-Triator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.52	2.10
		VOC	(15)	(15)
656	Line 4A Railcar Loadout Filter	PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.03
		TSP	0.48	1.95
		VOC	(15)	(15)
657	Line 4B Railcar Loadout Filter	PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.03
		TSP	0.51	2.10
		VOC	(15)	(15)
662	Surge Silo	PM_{10}	(16)	(16)
		$PM_{2.5}$	(16)	(16)
		TSP	(16)	(16)
		VOC	(15)	(15)
663	Surge Silo	PM_{10}	(16)	(16)

		$PM_{2.5}$	(16)	(16)
		TSP	(16)	(16)
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
664	Surge Silo	PM_{10}	(16)	(16)
		$PM_{2.5}$	(16)	(16)
		TSP	(16)	(16)
		VOC	(15)	(15)
665	Line 5 Loadout Surge Vessel	VOC	(15)	(15)
666	Line 5 Loadout Surge Vessel	VOC	(15)	(15)
667	Line 5 Prefill Bin	VOC	(15)	(15)
668	Line 5 Prefill Bin	VOC	(15)	(15)
669	Line 5 Prefill Bin	VOC	(15)	(15)
670	Line 5 Prefill Bin	VOC	(15)	(15)
671	Line 5 Prefill Bin	VOC	(15)	(15)
672	Line 5 Prefill Bin	VOC	(15)	(15)
673	Line 5 Prefill Bin	VOC	(15)	(15)
674	Line 5 Prefill Bin	VOC	(15)	(15)
675	Line 6 Loadout Surge Vessel	VOC	(15)	(15)
676	Line 6 Loadout Surge Vessel	VOC	(15)	(15)
677	Line 6 Prefill Bin	VOC	(15)	(15)

678	Line 6 Prefill Bin	VOC	(15)	(15)
679	Line 6 Prefill Bin	VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
680	Line 6 Prefill Bin	VOC	(15)	(15)
681	Line 6 Prefill Bin	VOC	(15)	(15)
682	Line 6 Prefill Bin	VOC	(15)	(15)
683	Line 6 Prefill Bin	VOC	(15)	(15)
684	Line 6 Prefill Bin	VOC	(15)	(15)
685	Storage Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
686	Seed Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.37	0.37
		VOC	(15)	(15)
687	Feed Hopper	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		TSP	0.01	0.04
		VOC	(15)	(15)
688	Feed Hopper	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		TSP	0.01	0.04
		VOC	(15)	(15)
689	L5 Product Silo	PM_{10}	0.01	0.01

		$PM_{2.5}$	0.01	0.01
		TSP	0.33	1.34
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
690	L5 Product Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.33	1.34
		VOC	(15)	(15)
691	L5 Product Silo	PM_{10}	(7)	(7)
		$PM_{2.5}$	(7)	(7)
		TSP	(7)	(7)
		VOC	(15)	(15)
692	L5 Product Silo	PM_{10}	(8)	(8)
		$PM_{2.5}$	(8)	(8)
		TSP	(8)	(8)
		VOC	(15)	(15)
693	Lines 5 and 6 Vacuum System Filter	PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.07
		TSP	0.04	0.17
694	Line 4A/4B Vacuum System Filter	PM_{10}	0.03	0.13
		$PM_{2.5}$	0.02	0.09
		TSP	0.05	0.22
695	Sample Pot	TSP	4.01	0.55
		VOC	(15)	(15)
696	Sample Pot	TSP	4.01	0.55
		VOC	(15)	(15)
697	Sample Pot	TSP	1.99	0.55
		VOC	(15)	(15)

698	Sample Pot	TSP	1.99	0.55
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
699	Sample Pot	TSP	1.99	0.01
		VOC	(15)	(15)
721	Flare Air-Assist (10)	VOC	1384.02	259.64
		CO	971.12	139.62
		NO_x	252.08	43.92
723	Steam Generator	VOC	0.02	0.11
		NO_x	0.45	1.97
		CO	0.38	1.66
		SO_2	0.01	0.01
		PM_{10}	0.03	0.15
723A	Boiler	VOC	0.03	0.14
		CO	0.49	2.16
		NO_x	0.59	2.58
		PM_{10}	0.04	0.20
		SO_2	0.01	0.02
800	Fugitives (4)	VOC	4.29	18.79
801	Cat Supp Dehydrator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
802	Cat Blow Tank	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
803	Storage	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
813	Cat Feeder RX60	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
817	Reactor 60	VOC	19.90	0.20
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	Prod. Conveying	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.03	0.11
		VOC	(15)	(15)
845	Surge Silo	PM_{10}	(16)	(16)
		$PM_{2.5}$	(16)	(16)
		TSP	(16)	(16)
		VOC	(15)	(15)
848	Additive Vacuum	PM_{10}	0.36	1.46
		$PM_{2.5}$	0.24	0.97
		TSP	0.60	2.43
849AB	Additive Vacuum	PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.03
		TSP	0.02	0.08
850	Spin Drier	TSP	(18)	(18)
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
851	Spin Drier	TSP	(18)	(18)
		VOC	(15)	(15)
854	Elutriator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.88	3.62
		VOC	(15)	(15)
855	Elutriator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.88	3.62
		VOC	(15)	(15)
858	Flare-Ground	VOC	(10)	(10)
		CO	(10)	(10)
		NO_x	(10)	(10)
861	Reactor 44	VOC	20.0	0.20
862	Reactor 45	VOC	20.0	0.20
863	Hexene Storage	VOC	0.47	0.88
866	Surge Silo	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
		TSP	0.67	2.75
		VOC	(15)	(15)
867	Surge Silo	PM_{10}	(10)	(10)
		$PM_{2.5}$	(10)	(10)
		TSP	(10)	(10)
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
868	Surge Silo	PM_{10}	(10)	(10)
		$PM_{2.5}$	(10)	(10)
		TSP	(10)	(10)
		VOC	(15)	(15)
869	Surge Silo	PM_{10}	(10)	(10)
		$PM_{2.5}$	(10)	(10)
		TSP	(10)	(10)
		VOC	(15)	(15)
870	Surge Silo	PM_{10}	(10)	(10)
		$PM_{2.5}$	(10)	(10)
		TSP	(10)	(10)
		VOC	(15)	(15)
871	Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.60	2.43
		VOC	(15)	(15)
872	Filter Receiver	PM_{10}	0.02	0.06
		$PM_{2.5}$	0.01	0.04
		TSP	0.60	2.43
		VOC	(15)	(15)
873	Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.60	2.43
		VOC	(15)	(15)
877	Additive Vacuum	PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.03
		TSP	0.02	0.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
878	Product Silo	PM_{10}	(7)	(7)
		$PM_{2.5}$	(7)	(7)
		TSP	(7)	(7)
		VOC	(15)	(15)
879	Product Silo	PM_{10}	(8)	(8)
		$PM_{2.5}$	(8)	(8)
		TSP	(8)	(8)
		VOC	(15)	(15)
884	Feed Silo	PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
		TSP	0.63	2.55
		VOC	(15)	(15)
885	Feed Silo	PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.07
		TSP	0.04	0.17
886	Feed Silo	PM_{10}	(11)	(11)
		$PM_{2.5}$	(11)	(11)
		TSP	(11)	(11)
		VOC	(15)	(15)
887	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
888	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
889	Feed Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
		TSP	0.21	0.86
		VOC	(15)	(15)
890	Feed Silo	PM_{10}	(12)	(12)
		$PM_{2.5}$	(12)	(12)
		TSP	(12)	(12)
891	Feed Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.09	0.36
		VOC	(15)	(15)
892	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
893	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
900	Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.27	0.28
		VOC	(15)	(15)
902	Storage	PM_{10}	0.04	0.01
		$PM_{2.5}$	0.03	0.01
		TSP	0.07	0.02
910	Feed Silo	PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.02
		TSP	0.32	1.30
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
911	Feed Silo	PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.02
		TSP	0.32	1.30
		VOC	(15)	(15)
912	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
913	Feed Silo	PM_{10}	0.02	0.02
		$PM_{2.5}$	0.02	0.02
		TSP	0.04	0.04
922	Storage Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.01	0.01
923	Storage Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.01	0.04
924	Hold-Up Bin	VOC	(15)	(15)
925	Product Silo	PM_{10}	(6)	(6)
		$PM_{2.5}$	(6)	(6)
		TSP	(6)	(6)
		VOC	(15)	(15)
926	Product Silo	PM_{10}	(6)	(6)
		$PM_{2.5}$	(6)	(6)
		TSP	(6)	(6)
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
927	Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.37	0.75
		VOC	(15)	(15)
928	L4B Scalperator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.86	3.49
		VOC	(15)	(15)
929	Product Silo	PM_{10}	(6)	(6)
		$PM_{2.5}$	(6)	(6)
		TSP	(6)	(6)
		VOC	(15)	(15)
930	Feed Silo	PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.02
		TSP	0.32	1.30
		VOC	(15)	(15)
931	Feed Silo	PM_{10}	(14)	(14)
		$PM_{2.5}$	(14)	(14)
		TSP	(14)	(14)
		VOC	(15)	(15)
932	Feed Silo	PM_{10}	(13)	(13)
		$PM_{2.5}$	(13)	(13)
		TSP	(13)	(13)
933	Feed Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
942	Storage Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.01	0.04
943	Storage Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.01	0.04
944	Hold-Up Bin	VOC	(15)	(15)
945	Product Silo	PM_{10}	(5)	(5)
		$PM_{2.5}$	(5)	(5)
		TSP	(5)	(5)
		VOC	(15)	(15)
946	Product Silo	PM_{10}	(5)	(5)
		$PM_{2.5}$	(5)	(5)
		TSP	(5)	(5)
		VOC	(15)	(15)
947	Product Silo	PM_{10}	(5)	(5)
		$PM_{2.5}$	(5)	(5)
		TSP	(5)	(5)
		VOC	(15)	(15)
948	L4A Scalperator	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.86	3.38
		VOC	(15)	(15)
949	Filter Receiver	PM_{10}	(19)	(19)
		$PM_{2.5}$	(19)	(19)
		TSP	(19)	(19)
	VOC	(15)	(15)	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
950	Dust Collector	PM_{10}	0.41	1.67
		$PM_{2.5}$	0.28	1.12
		TSP	0.69	2.80
953	Sampler	TSP	0.05	0.01
		VOC	(15)	(15)
954	Sampler	TSP	0.05	0.01
		VOC	(15)	(15)
955	Hold-Up Bin	VOC	(15)	(15)
956	Hold-Up Bin	VOC	(15)	(15)
957	Hold-Up Bin	VOC	(15)	(15)
958	Hold-Up Bin	VOC	(15)	(15)
959	Sample Hopper	TSP	10.39	0.01
		VOC	(15)	(15)
960	Sample Hopper	TSP	10.39	0.01
		VOC	(15)	(15)
961	Sample Hopper	TSP	5.20	0.01
		VOC	(15)	(15)
962	Sample Hopper	TSP	5.20	0.01
		VOC	(15)	(15)
963	Reclaim System	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.01	0.02
		VOC	(15)	(15)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
970	Storage Silo	PM_{10}	(17)	(17)
		$PM_{2.5}$	(17)	(17)
		TSP	(17)	(17)
		VOC	(15)	(15)
973	Surge Silo	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.03	0.11
		VOC	(15)	(15)
974	Vacuum Filter Receiver	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		TSP	0.09	0.19
976	Boiler	VOC	0.03	0.14
		NO_x	0.59	2.58
		CO	0.49	2.16
		SO_x	0.01	0.02
		PM_{10}	0.04	0.20
980	Emergency Generator	VOC	1.09	0.05
		NO_x	13.45	0.67
		CO	2.90	0.14
		SO_2	0.89	0.04
		PM_{10}	0.95	0.05
988	Compounding Shop Safety Kleen Degreaser	VOC	0.21	0.20
989	LP Shop Safety Kleen Degreaser	VOC	0.21	0.20
991	Feed Purification	VOC	0.21	0.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name(2)	Air Contaminant Name	Emission Rates* lb/hr	TPY **
992	Feed Purification	VOC	0.21	0.20
993A	Silyl Chromate Pot	VOC	0.21	0.20
993B	Silyl Chromate Pot	PM_{10}	0.01	0.01
		TSP	0.01	0.01
995	M-1999 or M-19108 Line 4A Additive Transfer Blower Guard Filter	PM_{10}	0.02	0.10
996	M-2999 or M-29108 Line 4A Additive Transfer Blower Guard Filter	PM_{10}	0.02	0.10
997	M-46996 Line 4a Additive Transfer Filter Receiver	PM_{10}	0.10	0.45
CAT LOADOUT	Catalyst Loading Bay	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
SILICA BAY	Silica Loading Bay	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
TOTE BAY	Tote Service Bay	PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

(1) Emission point identification - either specific equipment designated 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
PM_{10} - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

SO_x - sulfur oxides
TSP - total suspended particulate

CO - carbon monoxide
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Total particulate emissions from Emission Point Nos. (EPNs) 652, 945, 946, and 947 are listed under EPN 652.
(6) Total particulate emissions from EPNs 653, 925, 926, and 929 are listed under EPN 653.
(7) Total particulate emissions from EPNs 689, 691, and 878 are listed under EPN 689.
(8) Total particulate emissions from EPNs 690, 692, and 879 are listed under EPN 690.
(9) Total VOC, NO_x, and CO emissions for the two Flares (EPNs 721 and 858) are listed under EPN 721.
(10) Total particulate emissions from EPNs 866, 867, 868, 869, and 870 are listed under EPN 866.
(11) Total particulate emissions from EPNs 884 and 886 are listed under EPN 884.
(12) Total particulate emissions from EPNs 885 and 890 are listed under EPN 885.
(13) Total particulate emissions from EPNs 913 and 932 are listed under EPN 913.
(14) Total particulate emissions from EPNs 930 and 931 are listed under EPN 930.
(15) Total residual VOC emissions from all EPNs downstream of the product purge vessels are listed under EPN 645.
(16) Total particulate emissions from EPNs 645, 662, 663, 664, and 845 are listed under EPN 645.
(17) Total particulate emissions from EPNs 647A, 685, 887, 888, 892, 893, 912, 933, and 970 are listed under EPN 647A.
(18) Total particulate emissions from EPNs 650, 651, 850, and 851 are listed under EPN 650.
(19) Total particulate emissions from EPNs 927 and 949 are listed under EPN 927

* Emission rates are based on and the facilities are limited by the following maximum operating schedule: 8,760 hrs/year.

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: July 21, 2011