EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 35215

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
EP11	Thermal Oxidizer No. 1A Oxidation Ovens	NO_x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO_2	0.001	0.004
		PM_{10}	0.02	0.09
EP21	Thermal Oxidizer No. 1B Oxidation Ovens	NO_x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO_2	0.001	0.004
		PM_{10}	0.02	0.09
EP31	Thermal Oxidizer No. 1C Oxidation Ovens	NO_x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO_2	0.001	0.004
		PM_{10}	0.02	0.09
EP41	Thermal Oxidizer No. 1D Oxidation Ovens	NO_x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO_2	0.001	0.004
		PM_{10}	0.02	0.09
EP51	Thermal Oxidizer No. 1E Oxidation Ovens	NO_x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO_2	0.001	0.004
		PM_{10}	0.02	0.09

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
EP61	Thermal Oxidizer No. 1F Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP71	Thermal Oxidizer No. 1G Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP81	Thermal Oxidizer No. 1H Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP91	Thermal Oxidizer No. 1I Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP101	Thermal Oxidizer No. 1J Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP111	Thermal Oxidizer No. 1K Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011

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
		PM_{10}	0.06	0.22
EP121	Thermal Oxidizer No. 1L Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP131	Thermal Oxidizer No. 1M Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP141	Thermal Oxidizer No. 1N Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP151	Thermal Oxidizer No. 1O Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP161	Thermal Oxidizer No. 1P Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP171	Thermal Oxidizer No. 1Q Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011

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
		PM_{10}	0.06	0.22
EP181	Thermal Oxidizer No. 1R Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP191	Thermal Oxidizer No. 1S Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP201	Thermal Oxidizer No. 1T Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP211	Thermal Oxidizer No. 1U Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP221	Thermal Oxidizer No. 1V Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP231	Thermal Oxidizer No. 1W Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011

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
		PM_{10}	0.06	0.22
EP241	Thermal Oxidizer No. 1X Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP251	Thermal Oxidizer No. 1Y Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP261	Thermal Oxidizer No. 1Z Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP271	Thermal Oxidizer No. 1AA Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP281	Thermal Oxidizer No. 1BB Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011
		PM_{10}	0.06	0.22
EP291	Thermal Oxidizer No. 1CC Oxidation Ovens	NO_x	0.54	1.94
		CO	0.11	0.4
		VOC	0.03	0.11
		SO_2	0.003	0.011

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
		PM_{10}	0.06	0.22
EP12	Thermal Oxidizer No. 2A Low and High Temperature Furnaces	NO_x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM_{10}	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP22	Thermal Oxidizer No. 2B Low and High Temperature Furnaces	NO_x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM_{10}	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP32	Thermal Oxidizer No. 2C Low and High Temperature Furnaces	NO_x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM_{10}	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP42	Thermal Oxidizer No. 2D Low and High Temperature Furnaces	NO_x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM_{10}	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP52	Thermal Oxidizer No. 2E Low and High Temperature Furnaces	NO_x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM_{10}	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP62	Thermal Oxidizer No. 2F Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002

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
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP72	Thermal Oxidizer No. 2G Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP82	Thermal Oxidizer No. 2H Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP92	Thermal Oxidizer No. 2I Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP102	Thermal Oxidizer No. 2J Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP112	Thermal Oxidizer No. 2K Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP122	Thermal Oxidizer No. 2L Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002

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
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP132	Thermal Oxidizer No. 2M Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP142	Thermal Oxidizer No. 2N Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP152	Thermal Oxidizer No. 2O Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP162	Thermal Oxidizer No. 2P Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP172	Thermal Oxidizer No. 2Q Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP182	Thermal Oxidizer No. 2R Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002

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
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP192	Thermal Oxidizer No. 2S Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP202	Thermal Oxidizer No. 2T Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP212	Thermal Oxidizer No. 2U Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP222	Thermal Oxidizer No. 2V Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP232	Thermal Oxidizer No. 2W Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP242	Thermal Oxidizer No. 2X Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002

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
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP252	Thermal Oxidizer No. 2Y Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP262	Thermal Oxidizer No. 2Z Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP272	Thermal Oxidizer No. 2AA Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP282	Thermal Oxidizer No. 2BB Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05
EP292	Thermal Oxidizer No. 2CC Low and High Temperature Furnaces	NO_x	2.31	8.3
		CO	0.49	1.8
		VOC	0.0005	0.002
		PM_{10}	0.06	0.22
		HCN	9.96E-06	3.6E-05

(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

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

or fugitive source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(3) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
HCN - hydrogen cyanide

(4) The emission rates for EP11, EP21, EP31, EP41, and EP51 are based on a maximum natural gas firing rate of 2.0 MMBtu/hr.

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

24 Hrs/day 300 Days/year or 7,200 Hrs/year

Dated _____