EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Permit Number 5064

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	
			lbs/hour	TPY (4)
B-1	Boiler	VOC	0.02	0.09
		NO_x	0.42	1.84
		SO_2	0.06	0.26
		PM_{10}	0.03	0.13
		CO	0.35	1.53
B-2	Boiler	VOC	0.02	0.09
		NO_x	0.42	1.84
		SO_2	0.06	0.26
		PM_{10}	0.03	0.13
		CO	0.35	1.53
D-1	1,215-HP Diesel Generator	VOC	0.86	0.03
		NO_x	29.16	0.73
		SO_2	0.49	0.02
		PM_{10}	0.20	0.01
		CO	6.69	0.17

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D-4	1,215-HP Diesel Generator	VOC	0.86	0.03
		NO_x	29.16	0.73
		SO_2	0.49	0.02
		PM_{10}	0.20	0.01
		CO	6.69	0.17
E-1	Carbon Adsorption Unit	VOC	67.11	23.50
E-2	Carbon Adsorption Unit	VOC	9.92	1.40
E-3	Carbon Adsorption Unit	VOC	26.92	3.80
E-5	PCB Shredder	VOC	0.01	0.01
E-6	South Landfill Leachate Collection System	VOC	0.01	0.01
E-7	Carbon Adsorption Unit	VOC	0.04	0.02
F-7	East Landfill	PM_{30}	1.24	1.46
		PM_{10}	0.61	0.72

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AIR CONTAMINANTS DATA

		$PM_{2.5}$	0.09	0.09
		VOC	0.01	0.01
E-4-I	Incinerator Train I	NO_x (5)	134.00	130.90
		CO	20.40	82.10
		SO_2	9.60	38.70
		$PM/PM_{10}/PM_{2.5}$	6.29	27.55
		HCl	4.00	17.52
		Cl_2	0.38	0.44
		As/Be/Cr	0.018	0.0788
		Ag	0.05	0.22
		Ba	2.80	12.09
		Cd/Pb	0.0444	0.19
		Hg	0.0241	0.11
		Ni	0.05	0.20
		Sb	2.80	12.09
		Tl	0.50	2.02
		Vinyl Chloride	0.67	2.70
		Total Organics	B	2.29
		Total Dioxin/Furans	7.41 E-8	3.25 E-7
		Total PCB	2.35 E-3	9.47 E-3
E-4-II	Incinerator Train II	NO_x (5)	134.00	130.90
		CO	20.40	82.10
		SO_2	9.60	38.70
		$PM/PM_{10}/PM_{2.5}$	6.29	27.55

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

		HCl	4.00	17.52
		Cl_2	0.38	0.44
		As/Be/Cr	0.018	0.0788
		Ag	0.05	0.22
		Ba	2.80	12.09
		Cd/Pb	0.0444	0.19
		Hg	0.0241	0.11
		Ni	0.05	0.20
		Sb	2.80	12.09
		Tl	0.50	2.02
		Vinyl Chloride	0.67	2.70
		Total Organics	B	2.29
		Total Dioxin/Furans	7.41 E-8	3.25 E-7
		Total PCB	2.35 E-3	9.47 E-3
		NH_3	1.38	6.04
FU-1	Fugitive Equipment Leaks (5)	VOC	0.54	2.38
		NH_3	0.01	0.06
FU-2	Carbon Adsorption Units for Groundwater Treatment	VOC	0.01	0.01
G-1	North Fire Water Pump	VOC	0.76	0.02
		NO_x	9.30	0.24
		SO_2	0.62	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

		PM_{10}	0.66	0.02
		CO	2.01	0.05
G-2	South Fire Water Pump	VOC	0.72	0.02
		NO_x	8.84	0.23
		SO_2	0.59	0.02
		PM_{10}	0.63	0.02
		CO	1.91	0.05
RRR-1	Rotary Reagent BIN F-611	PM_{10}	0.51	0.02
RRR-2	Rotary Reagent BIN F-612	PM_{10}	0.51	0.03
RRR-3	Rotary Reagent BIN F-613	PM_{10}	0.51	0.01
RRR-4	Rotary Reagent BIN F-622	PM_{10}	0.51	0.01
RRR-6	Rotary Reagent BIN F-624	PM_{10}	0.51	0.02
SE-1	S and E Baghouse Vents	PM_{10}	7.20	4.32
SE-2	S and E Silo Vent V-1208	PM_{10}	0.05	0.01
SE-3	S and E Silo Vent V-1208	PM_{10}	0.05	0.01

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AIR CONTAMINANTS DATA

SE-4	S and E Silo Vent V-1208	PM_{10}	0.05	0.01
SE-5	S and E Silo Vent V-1208	PM_{10}	0.05	0.01
T-150	Wastewater Tank	VOC	0.01	0.01
5	Lime Storage Silo	PM_{30}	0.24	0.06

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. 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_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
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.
PM_{30} - particulate matter, suspended in the atmosphere, including PM_{10}
HCl - hydrogen chloride
Cl_2 - chlorine
As - arsenic
Ag - silver
Ba - barium
Be - beryllium
Cd - cadmium
Cr - chromium
Hg - mercury
Ni - nickel
NH_3 - ammonia
Pb - lead
Sb - antimony
Tl - thallium
PCB - polychlorinated biphenyls
(4) Clean Harbors Deer Park, LLC., is also subject to the Mass Emissions Cap and Trade Program as outlined in Title 30 Texas Administrative Code § 101.351. The Mass Cap and Trade Program limits annual NO_x emissions to a prescribed schedule of allowances, which are lower than the existing permit allowables.
(5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- Engines at 50 hours per year total.
- Pumps at 50 hours per year each.
- All emission rates are based on continuous operation.

** Compliance with annual emission limits is based on a rolling 12-month period. The annual emission limits for Emission Point Nos. (EPNs) E-4-I and E-4-II are based on the calendar year. Emissions of air contaminants from EPNs E-4-I and E-4-II are permitted under NA and State.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Date: _____