ATTACHMENT A
EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 5064 and N001

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
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-4 **	Incinerator Train I	NO_X	--	--
		CO 13.60	54.70	
		SO_2	6.40	25.80
		PM_{10}	23.94	96.50
		HCl 4.00	17.52	
		Cl_2 0.25	1.01	
		As 0.03	0.14	
		Ag 0.05	0.22	
		Ba 2.80	12.09	
		Be 0.005	0.02	
		Cd 0.05	0.22	
		Cr 0.05	0.22	
		Hg 0.28	1.21	
		Ni 0.03	0.12	
		Pb 1.50	6.04	
		Sb 2.80	12.09	
		Tl 0.50	2.02	
		Vinyl Chloride	0.45	1.81
		Total Organics	--	0.85
		Total Dioxin/Furans	2.88 E-5	1.26 E-4
		Total PCB	2.35 E-3	9.47 E-3

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E-4 **	Incinerator Train II	NO_X	--	--
		CO 20.40	82.10	
		SO_2	9.60	38.70
		PM_{10}	35.91	144.67
	PM_{10}***	71.82	144.78	
		HCl	4.00	17.52
		Cl_2 0.38	0.44	
		As 0.03	0.14	
		Ag 0.05	0.22	
		Ba 2.80	12.09	
		Be 0.005	0.02	
		Cd 0.05	0.22	
		Cr 0.05	0.22	
		Hg 0.28	1.21	
		Ni 0.05	0.20	
		Pb 1.42	5.72	
		Sb 2.80	12.09	
		Tl 0.50	2.02	
		Vinyl Chloride	0.67	2.70
		Total Organics	–	2.29
		Total Dioxin/Furans	2.46 E-5	1.08 E-4
		Total PCB	2.35 E-3	9.47 E-3
E-4 **	Incinerator Trains I and II	NO_X	134.00	261.80
		CO 34.00	136.80	
		SO_2	16.00	65.00
		PM_{10}	59.85	241.17
		PM_{10}***	95.76	241.28
		HCl	8.00	35.04
		Cl_2 0.63	1.45	
		As 0.06	0.24	
		Ag 0.09	0.41	
		Ba 4.50	19.71	
		Be 0.01	0.04	
		Cd 0.10	0.44	
		Cr 0.09	0.41	
		Hg 0.45	1.97	
E-4 ** (Cont'd)	Incinerator Trains I and II	Ni	0.08	0.32

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		Pb 2.50	10.07	
		Sb 4.50	19.71	
		Tl 0.93	4.04	
		Vinyl Chloride	1.12	4.51
		Total Organics	–	3.14
		Total Dioxins/Furans	5.34 E-5	2.34 E-4
		Total PCB	2.35 E-3	9.47 E-3
E-5	PCB Shredder	VOC	<0.01	<0.01
E-6	South Landfill Leachate Collection System	VOC	0.01	<0.01
F-2	North Landfill (Active Area)	PM_{30}	2.14	9.38
F-3	North Landfill (Exposed Area)	VOC	4.76	6.19
		PM_{30}	0.40	0.52
F-4	Paved Roads	PM_{30}	5.44	8.50
F-5	Unpaved Roads	PM_{30}	4.37	6.55
5	Lime Storage Silo	PM_{30}	0.24	0.06
D-1	1,215-HP Diesel Generator	VOC	3.00	0.20
		NO_X	37.67	2.54
		SO_2	2.49	0.17
		PM_{10}	2.67	0.18
		CO	8.12	0.55
D-2	1,215-HP Diesel Generator	VOC	3.00	0.20
		NO_X	37.67	2.54

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		SO_2	2.49	0.17
		PM_{10}	2.67	0.18
		CO	8.12	0.55
D-3	1,215-HP Diesel Generator	VOC	3.00	0.20
		NO_X	37.67	2.54
		SO_2	2.49	0.17
		PM_{10}	2.67	0.18
		CO	8.12	0.55
D-4	1,215-HP Diesel Generator	VOC	3.00	0.20
		NO_X	37.67	2.54
		SO_2	2.49	0.17
		PM_{10}	2.67	0.18
		CO	8.12	0.55
G-1	North Fire Water Pump	VOC	0.74	0.19
		NO_X	9.30	2.33
		SO_2	0.62	0.16
		PM_{10}	0.66	0.17
		CO	2.00	0.50
G-2	South Fire Water Pump	VOC	0.70	0.18
		NO_X	8.84	2.21
		SO_2	0.58	0.15
		PM_{10}	0.63	0.16
		CO	1.90	0.48
FU-1	Fugitive Equipment Leaks	VOC	0.44	1.92
FU-2	Carbon Adsorption Units for Groundwater Treatment	VOC	<0.01	<0.01
T-150	Wastewater Tank	VOC	2.76	3.72

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
SE-1	S and E Baghouse Vents	PM_{10}	7.20	4.32
SE-2	S and E Silo Vent V-1205	PM_{10}	0.05	0.01
SE-3	S and E Silo Vent V-1206	PM_{10}	0.05	0.01
SE-4	S and E Silo Vent V-1207	PM_{10}	0.05	0.01
SE-5	S and E Silo Vent V-1208	PM_{10}	0.05	0.01
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-5	Rotary Reagent BIN F-623	PM_{10}	0.51	0.03
RRR-6	Rotary Reagent BIN F-624	PM_{10}	0.51	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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

(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 30 Texas Administrative Code Section 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.
HCl - hydrogen chloride
Cl_2 - chlorine
As - arsenic
Ag - silver
Ba - barium
Be - beryllium
Cd - cadmium
Cr - chromium
Hg - mercury
Ni - nickel
Pb - lead
Sb - antimony
Tl - thallium
PCB - polychlorinated biphenyls

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PM_{30} - particulate matter equal to or less than 30 microns in diameter

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

- Engines at 540 hours per year total.
- Pumps at 500 hours per year each.
- Lime storage silo annual emission rate is based upon continuous operation.

** The annual emission limit for EPN E-4 is based on the calendar year. Emissions of air contaminants from EPN E-4 are permitted under NA and State.

*** Emission rate is limited to testing of particulate emissions while varying the pressure drop across the Calvert collision scrubbers as described in the Calvert Test Plan submitted August 14, 2000.

Dated _____