

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES

2. STATE: OH

3. CITY: EAST LIVERPOOL

EPA OHD980613541

REGION: 5

4. EP ID: 222 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: WHB/SD/ESP/Q/PBS

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	222C1R1	6.47e-2 ng/dscm 7%O2	9.44e-9 lbs/hr	CE7%O2
4D 2378	222C1R2	4.23e-2 ng/dscm 7%O2	5.99e-9 lbs/hr	CE7%O2
4D 2378	222C1R3	6.26e-2 ng/dscm 7%O2	8.61e-9 lbs/hr	CE7%O2
4D 2378	222C2R1	4.72e-2 ng/dscm 7%O2	6.08e-9 lbs/hr	CE7%O2
4D 2378	222C2R2	2.98e-2 ng/dscm 7%O2	3.94e-9 lbs/hr	CE7%O2
4D 2378	222C2R3	2.40e-2 ng/dscm 7%O2	3.07e-9 lbs/hr	CE7%O2
4D 2378	222C3R1	4.02e-2 ng/dscm 7%O2	4.25e-9 lbs/hr	CE7%O2
4D 2378	222C3R2	4.86e-2 ng/dscm 7%O2	5.21e-9 lbs/hr	CE7%O2
4D 2378	222C3R3	4.96e-2 ng/dscm 7%O2	5.27e-9 lbs/hr	CE7%O2
4D 2378	222C4R1	6.72e-3 ng/dscm 7%O2	7.86e-10 lbs/hr	CE7%O2
4D 2378	222C4R2	ND 3.27e-3 ng/dscm 7%O2	3.62e-10 lbs/hr	CE7%O2
4D 2378	222C4R3	ND 2.54e-3 ng/dscm 7%O2	3.06e-10 lbs/hr	CE7%O2
4D 2378	222C4R4	ND 4.20e-3 ng/dscm 7%O2	4.92e-10 lbs/hr	CE7%O2
4D 2378	222C4R5	ND 2.93e-3 ng/dscm 7%O2	3.34e-10 lbs/hr	CE7%O2
4D 2378	222C5R1	ND 4.49e-3 ng/dscm 7%O2	4.54e-10 lbs/hr	CE
4D 2378	222C5R2	ND 1.57e-3 ng/dscm 7%O2	1.75e-10 lbs/hr	CE
4D 2378	222C5R3	ND 3.01e-3 ng/dscm 7%O2	3.23e-10 lbs/hr	CE
4D 2378	222C5R4	ND 3.36e-3 ng/dscm 7%O2	3.68e-10 lbs/hr	CE
4D 2378	222C5R5	ND 4.66e-3 ng/dscm 7%O2	5.37e-10 lbs/hr	CE
4D 2378	222C6R1	0.00e+0	0.00e+0	
4D 2378	222C6R2	0.00e+0	0.00e+0	
4D 2378	222C6R3	0.00e+0	0.00e+0	
4D 2378	222C6R4	0.00e+0	0.00e+0	
4D 2378	222C7R1	0.00e+0	0.00e+0	
4D 2378	222C7R2	0.00e+0	0.00e+0	
4D 2378	222C7R3	0.00e+0	0.00e+0	
4D 2378	222C7R4	0.00e+0	0.00e+0	
4D 2378	222C7R5	0.00e+0	0.00e+0	
4D Other	222C1R1	1.95e+0 ng/dscm 7%O2	2.84e-7 lbs/hr	OCE
4D Other	222C1R2	1.26e+0 ng/dscm 7%O2	1.79e-7 lbs/hr	OCE
4D Other	222C1R3	1.85e+0 ng/dscm 7%O2	2.54e-7 lbs/hr	OCE
4D Other	222C2R1	1.01e+0 ng/dscm 7%O2	1.30e-7 lbs/hr	OCE
4D Other	222C2R2	7.88e-1 ng/dscm 7%O2	1.04e-7 lbs/hr	OCE
4D Other	222C2R3	6.08e-1 ng/dscm 7%O2	7.78e-8 lbs/hr	OCE
4D Other	222C3R1	7.85e-1 ng/dscm 7%O2	8.30e-8 lbs/hr	OCE
4D Other	222C3R2	8.17e-1 ng/dscm 7%O2	8.75e-8 lbs/hr	OCE
4D Other	222C3R3	7.41e-1 ng/dscm 7%O2	7.87e-8 lbs/hr	OCE
4D Other	222C4R1	2.05e-1 ng/dscm 7%O2	2.40e-8 lbs/hr	OCE
4D Other	222C4R2	4.60e+0 ng/dscm 7%O2	5.10e-7 lbs/hr	OCE
4D Other	222C4R3	1.28e+0 ng/dscm 7%O2	1.55e-7 lbs/hr	OCE
4D Other	222C4R4	3.50e-1 ng/dscm 7%O2	4.10e-8 lbs/hr	OCE
4D Other	222C4R5	2.94e-1 ng/dscm 7%O2	3.35e-8 lbs/hr	OCE
4D Other	222C5R1	5.69e-2 ng/dscm 7%O2	5.76e-9 lbs/hr	CE
4D Other	222C5R2	1.52e-2 ng/dscm 7%O2	1.70e-9 lbs/hr	CE
4D Other	222C5R3	2.22e-2 ng/dscm 7%O2	2.38e-9 lbs/hr	CE
4D Other	222C5R4	2.04e-2 ng/dscm 7%O2	2.23e-9 lbs/hr	CE
4D Other	222C5R5	6.81e-2 ng/dscm 7%O2	7.85e-9 lbs/hr	CE
4D Other	222C6R1	3.86e-2 ng/dscm 7%O2	4.24e-9 lbs/hr	OCE
4D Other	222C6R2	2.49e-2 ng/dscm 7%O2	2.66e-9 lbs/hr	OCE
4D Other	222C6R3	2.28e-2 ng/dscm 7%O2	2.53e-9 lbs/hr	OCE
4D Other	222C6R4	3.32e-2 ng/dscm 7%O2	3.96e-9 lbs/hr	OCE
4D Other	222C7R1	6.10e-2 ng/dscm 7%O2	6.39e-9 lbs/hr	OCE
4D Other	222C7R2	1.56e-2 ng/dscm 7%O2	1.62e-9 lbs/hr	OCE
4D Other	222C7R3	1.13e-2 ng/dscm 7%O2	1.12e-9 lbs/hr	OCE
4D Other	222C7R4	1.08e-2 ng/dscm 7%O2	1.23e-9 lbs/hr	OCE
4D Other	222C7R5	1.27e-2 ng/dscm 7%O2	1.42e-9 lbs/hr	OCE
4D Total	222C1R1	2.01e+0 ng/dscm 7%O2	2.94e-7 lbs/hr	CE7%O2

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SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

4D Total	222C1R2	1.30e+0	ng/dscm 7%O2	1.85e-7	lbs/hr	CE7%O2
4D Total	222C1R3	1.91e+0	ng/dscm 7%O2	2.63e-7	lbs/hr	CE7%O2
4D Total	222C2R1	1.06e+0	ng/dscm 7%O2	1.36e-7	lbs/hr	CE7%O2
4D Total	222C2R2	8.17e-1	ng/dscm 7%O2	1.08e-7	lbs/hr	CE7%O2
4D Total	222C2R3	6.33e-1	ng/dscm 7%O2	8.09e-8	lbs/hr	CE7%O2
4D Total	222C3R1	8.25e-1	ng/dscm 7%O2	8.73e-8	lbs/hr	CE7%O2
4D Total	222C3R2	8.66e-1	ng/dscm 7%O2	9.27e-8	lbs/hr	CE7%O2
4D Total	222C3R3	7.90e-1	ng/dscm 7%O2	8.40e-8	lbs/hr	CE7%O2
4D Total	222C4R1	2.12e-1	ng/dscm 7%O2	2.48e-8	lbs/hr	CE7%O2
4D Total	222C4R2	4.61e+0	ng/dscm 7%O2	5.10e-7	lbs/hr	CE7%O2
4D Total	222C4R3	1.29e+0	ng/dscm 7%O2	1.55e-7	lbs/hr	CE7%O2
4D Total	222C4R4	3.54e-1	ng/dscm 7%O2	4.15e-8	lbs/hr	CE7%O2
4D Total	222C4R5	2.96e-1	ng/dscm 7%O2	3.38e-8	lbs/hr	CE7%O2
4D Total	222C5R1	6.14e-2	ng/dscm 7%O2	6.21e-9	lbs/hr	OCE
4D Total	222C5R2	1.68e-2	ng/dscm 7%O2	1.87e-9	lbs/hr	OCE
4D Total	222C5R3	2.52e-2	ng/dscm 7%O2	2.71e-9	lbs/hr	OCE
4D Total	222C5R4	2.38e-2	ng/dscm 7%O2	2.60e-9	lbs/hr	OCE
4D Total	222C5R5	7.28e-2	ng/dscm 7%O2	8.38e-9	lbs/hr	OCE
4D Total	222C6R1	3.86e-2	ng/dscm 7%O2	4.24e-9	lbs/hr	CE7%O2
4D Total	222C6R2	2.49e-2	ng/dscm 7%O2	2.66e-9	lbs/hr	CE7%O2
4D Total	222C6R3	2.28e-2	ng/dscm 7%O2	2.53e-9	lbs/hr	CE7%O2
4D Total	222C6R4	3.32e-2	ng/dscm 7%O2	3.96e-9	lbs/hr	CE7%O2
4D Total	222C7R1	6.10e-2	ng/dscm 7%O2	6.39e-9	lbs/hr	CE7%O2
4D Total	222C7R2	1.56e-2	ng/dscm 7%O2	1.62e-9	lbs/hr	CE7%O2
4D Total	222C7R3	1.13e-2	ng/dscm 7%O2	1.12e-9	lbs/hr	CE7%O2
4D Total	222C7R4	1.08e-2	ng/dscm 7%O2	1.23e-9	lbs/hr	CE7%O2
4D Total	222C7R5	1.27e-2	ng/dscm 7%O2	1.42e-9	lbs/hr	CE7%O2
4F 2378	222C1R1	5.80e-1	ng/dscm 7%O2	8.46e-8	lbs/hr	CE7%O2
4F 2378	222C1R2	4.22e-1	ng/dscm 7%O2	5.97e-8	lbs/hr	CE7%O2
4F 2378	222C1R3	6.63e-1	ng/dscm 7%O2	9.12e-8	lbs/hr	CE7%O2
4F 2378	222C2R1	3.37e-1	ng/dscm 7%O2	4.34e-8	lbs/hr	CE7%O2
4F 2378	222C2R2	2.64e-1	ng/dscm 7%O2	3.50e-8	lbs/hr	CE7%O2
4F 2378	222C2R3	1.90e-1	ng/dscm 7%O2	2.43e-8	lbs/hr	CE7%O2
4F 2378	222C3R1	3.36e-1	ng/dscm 7%O2	3.55e-8	lbs/hr	CE7%O2
4F 2378	222C3R2	3.82e-1	ng/dscm 7%O2	4.09e-8	lbs/hr	CE7%O2
4F 2378	222C3R3	3.86e-1	ng/dscm 7%O2	4.10e-8	lbs/hr	CE7%O2
4F 2378	222C4R1	4.86e-2	ng/dscm 7%O2	5.68e-9	lbs/hr	CE7%O2
4F 2378	222C4R2	2.34e-2	ng/dscm 7%O2	2.59e-9	lbs/hr	CE7%O2
4F 2378	222C4R3	2.72e-2	ng/dscm 7%O2	3.29e-9	lbs/hr	CE7%O2
4F 2378	222C4R4	2.02e-2	ng/dscm 7%O2	2.37e-9	lbs/hr	CE7%O2
4F 2378	222C4R5	1.95e-2	ng/dscm 7%O2	2.23e-9	lbs/hr	CE7%O2
4F 2378	222C5R1	1.76e-2	ng/dscm 7%O2	1.78e-9	lbs/hr	CE
4F 2378	222C5R2	5.21e-3	ng/dscm 7%O2	5.82e-10	lbs/hr	CE
4F 2378	222C5R3	9.10e-3	ng/dscm 7%O2	9.77e-10	lbs/hr	CE
4F 2378	222C5R4	4.95e-3	ng/dscm 7%O2	5.42e-10	lbs/hr	CE
4F 2378	222C5R5	1.57e-2	ng/dscm 7%O2	1.81e-9	lbs/hr	CE
4F 2378	222C6R1	8.01e-3	ng/dscm 7%O2	8.81e-10	lbs/hr	CE7%O2
4F 2378	222C6R2	8.30e-3	ng/dscm 7%O2	8.85e-10	lbs/hr	CE7%O2
4F 2378	222C6R3	5.59e-3	ng/dscm 7%O2	6.19e-10	lbs/hr	CE7%O2
4F 2378	222C6R4	9.92e-3	ng/dscm 7%O2	1.18e-9	lbs/hr	CE7%O2
4F 2378	222C7R1	6.10e-3	ng/dscm 7%O2	6.39e-10	lbs/hr	CE7%O2
4F 2378	222C7R2	4.15e-3	ng/dscm 7%O2	4.31e-10	lbs/hr	CE7%O2
4F 2378	222C7R3	2.48e-3	ng/dscm 7%O2	2.47e-10	lbs/hr	CE7%O2
4F 2378	222C7R4	2.93e-3	ng/dscm 7%O2	3.34e-10	lbs/hr	CE7%O2
4F 2378	222C7R5	2.46e-3	ng/dscm 7%O2	2.74e-10	lbs/hr	CE7%O2
4F Other	222C1R1	3.69e+1	ng/dscm 7%O2	5.39e-6	lbs/hr	OCE
4F Other	222C1R2	2.22e+1	ng/dscm 7%O2	3.14e-6	lbs/hr	OCE
4F Other	222C1R3	4.61e+1	ng/dscm 7%O2	6.34e-6	lbs/hr	OCE
4F Other	222C2R1	1.61e+1	ng/dscm 7%O2	2.07e-6	lbs/hr	OCE
4F Other	222C2R2	1.22e+1	ng/dscm 7%O2	1.61e-6	lbs/hr	OCE
4F Other	222C2R3	9.93e+0	ng/dscm 7%O2	1.27e-6	lbs/hr	OCE
4F Other	222C3R1	1.12e+1	ng/dscm 7%O2	1.19e-6	lbs/hr	OCE
4F Other	222C3R2	1.74e+1	ng/dscm 7%O2	1.87e-6	lbs/hr	OCE

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 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

4F Other	222C3R3	1.64e+1	ng/dscm 7%O2	1.74e-6	lbs/hr	OCE	
4F Other	222C4R1	2.23e+0	ng/dscm 7%O2	2.61e-7	lbs/hr	OCE	
4F Other	222C4R2	1.13e+0	ng/dscm 7%O2	1.25e-7	lbs/hr	OCE	
4F Other	222C4R3	8.19e-1	ng/dscm 7%O2	9.88e-8	lbs/hr	OCE	
4F Other	222C4R4	7.89e-1	ng/dscm 7%O2	9.25e-8	lbs/hr	OCE	
4F Other	222C4R5	8.04e-1	ng/dscm 7%O2	9.17e-8	lbs/hr	OCE	
4F Other	222C5R1	4.27e-1	ng/dscm 7%O2	4.32e-8	lbs/hr	CE	
4F Other	222C5R2	1.63e-1	ng/dscm 7%O2	1.82e-8	lbs/hr	CE	
4F Other	222C5R3	2.84e-1	ng/dscm 7%O2	3.05e-8	lbs/hr	CE	
4F Other	222C5R4	2.09e-1	ng/dscm 7%O2	2.29e-8	lbs/hr	CE	
4F Other	222C5R5	4.61e-1	ng/dscm 7%O2	5.31e-8	lbs/hr	CE	
4F Other	222C6R1	3.18e-1	ng/dscm 7%O2	3.49e-8	lbs/hr	OCE	
4F Other	222C6R2	3.29e-1	ng/dscm 7%O2	3.51e-8	lbs/hr	OCE	
4F Other	222C6R3	2.18e-1	ng/dscm 7%O2	2.42e-8	lbs/hr	OCE	
4F Other	222C6R4	3.01e-1	ng/dscm 7%O2	3.59e-8	lbs/hr	OCE	
4F Other	222C7R1	3.54e-1	ng/dscm 7%O2	3.71e-8	lbs/hr	OCE	
4F Other	222C7R2	1.47e-1	ng/dscm 7%O2	1.53e-8	lbs/hr	OCE	
4F Other	222C7R3	1.19e-1	ng/dscm 7%O2	1.19e-8	lbs/hr	OCE	
4F Other	222C7R4	1.05e-1	ng/dscm 7%O2	1.20e-8	lbs/hr	OCE	
4F Other	222C7R5	1.62e-1	ng/dscm 7%O2	1.80e-8	lbs/hr	OCE	
4F Total	222C1R1	3.75e+1	ng/dscm 7%O2	5.48e-6	lbs/hr	CE7%O2	
4F Total	222C1R2	2.26e+1	ng/dscm 7%O2	3.20e-6	lbs/hr	CE7%O2	
4F Total	222C1R3	4.68e+1	ng/dscm 7%O2	6.43e-6	lbs/hr	CE7%O2	
4F Total	222C2R1	1.64e+1	ng/dscm 7%O2	2.12e-6	lbs/hr	CE7%O2	
4F Total	222C2R2	1.25e+1	ng/dscm 7%O2	1.65e-6	lbs/hr	CE7%O2	
4F Total	222C2R3	1.01e+1	ng/dscm 7%O2	1.29e-6	lbs/hr	CE7%O2	
4F Total	222C3R1	1.15e+1	ng/dscm 7%O2	1.22e-6	lbs/hr	CE7%O2	
4F Total	222C3R2	1.78e+1	ng/dscm 7%O2	1.91e-6	lbs/hr	CE7%O2	
4F Total	222C3R3	1.68e+1	ng/dscm 7%O2	1.78e-6	lbs/hr	CE7%O2	
4F Total	222C4R1	2.28e+0	ng/dscm 7%O2	2.67e-7	lbs/hr	CE7%O2	
4F Total	222C4R2	1.15e+0	ng/dscm 7%O2	1.28e-7	lbs/hr	CE7%O2	
4F Total	222C4R3	8.47e-1	ng/dscm 7%O2	1.02e-7	lbs/hr	CE7%O2	
4F Total	222C4R4	8.10e-1	ng/dscm 7%O2	9.49e-8	lbs/hr	CE7%O2	
4F Total	222C4R5	8.24e-1	ng/dscm 7%O2	9.39e-8	lbs/hr	CE7%O2	
4F Total	222C5R1	4.45e-1	ng/dscm 7%O2	4.50e-8	lbs/hr	OCE	
4F Total	222C5R2	1.68e-1	ng/dscm 7%O2	1.88e-8	lbs/hr	OCE	
4F Total	222C5R3	2.93e-1	ng/dscm 7%O2	3.15e-8	lbs/hr	OCE	
4F Total	222C5R4	2.14e-1	ng/dscm 7%O2	2.34e-8	lbs/hr	OCE	
4F Total	222C5R5	4.77e-1	ng/dscm 7%O2	5.49e-8	lbs/hr	OCE	
4F Total	222C6R1	3.26e-1	ng/dscm 7%O2	3.58e-8	lbs/hr	CE7%O2	
4F Total	222C6R2	3.37e-1	ng/dscm 7%O2	3.59e-8	lbs/hr	CE7%O2	
4F Total	222C6R3	2.24e-1	ng/dscm 7%O2	2.48e-8	lbs/hr	CE7%O2	
4F Total	222C6R4	3.11e-1	ng/dscm 7%O2	3.71e-8	lbs/hr	CE7%O2	
4F Total	222C7R1	3.60e-1	ng/dscm 7%O2	3.78e-8	lbs/hr	CE7%O2	
4F Total	222C7R2	1.51e-1	ng/dscm 7%O2	1.57e-8	lbs/hr	CE7%O2	
4F Total	222C7R3	1.22e-1	ng/dscm 7%O2	1.21e-8	lbs/hr	CE7%O2	
4F Total	222C7R4	1.08e-1	ng/dscm 7%O2	1.23e-8	lbs/hr	CE7%O2	
4F Total	222C7R5	1.64e-1	ng/dscm 7%O2	1.83e-8	lbs/hr	CE7%O2	
5D 12378	222C1R1	2.97e-1	ng/dscm 7%O2	4.33e-8	lbs/hr	CE7%O2	
5D 12378	222C1R2	1.73e-1	ng/dscm 7%O2	2.45e-8	lbs/hr	CE7%O2	
5D 12378	222C1R3	3.35e-1	ng/dscm 7%O2	4.61e-8	lbs/hr	CE7%O2	
5D 12378	222C2R1	1.57e-1	ng/dscm 7%O2	2.02e-8	lbs/hr	CE7%O2	
5D 12378	222C2R2	1.05e-1	ng/dscm 7%O2	1.39e-8	lbs/hr	CE7%O2	
5D 12378	222C2R3	8.41e-2	ng/dscm 7%O2	1.08e-8	lbs/hr	CE7%O2	
5D 12378	222C3R1	1.82e-1	ng/dscm 7%O2	1.92e-8	lbs/hr	CE7%O2	
5D 12378	222C3R2	2.19e-1	ng/dscm 7%O2	2.35e-8	lbs/hr	CE7%O2	
5D 12378	222C3R3	2.92e-1	ng/dscm 7%O2	3.10e-8	lbs/hr	CE7%O2	
5D 12378	222C4R1	3.03e-2	ng/dscm 7%O2	3.54e-9	lbs/hr	CE7%O2	
5D 12378	222C4R2	1.32e-2	ng/dscm 7%O2	1.46e-9	lbs/hr	CE7%O2	
5D 12378	222C4R3	1.33e-2	ng/dscm 7%O2	1.60e-9	lbs/hr	CE7%O2	
5D 12378	222C4R4	ND	9.93e-3	ng/dscm 7%O2	1.16e-9	lbs/hr	CE7%O2
5D 12378	222C4R5	ND	1.09e-2	ng/dscm 7%O2	1.25e-9	lbs/hr	CE7%O2
5D 12378	222C5R1		9.67e-3	ng/dscm 7%O2	9.79e-10	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES

2. STATE: OH

3. CITY: EAST LIVERPOOL

EPA OHD980613541

REGION: 5

4. EP ID: 222 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: WHB/SD/ESP/Q/PBS

5D 12378	222C5R2	2.44e-3	ng/dscm 7%O2	2.73e-10	lbs/hr	CE
5D 12378	222C5R3	6.82e-3	ng/dscm 7%O2	7.32e-10	lbs/hr	CE
5D 12378	222C5R4	5.12e-3	ng/dscm 7%O2	5.60e-10	lbs/hr	CE
5D 12378	222C5R5	9.43e-3	ng/dscm 7%O2	1.09e-9	lbs/hr	CE
5D 12378	222C6R1	4.91e-3	ng/dscm 7%O2	5.39e-10	lbs/hr	CE7%O2
5D 12378	222C6R2	4.69e-3	ng/dscm 7%O2	5.00e-10	lbs/hr	CE7%O2
5D 12378	222C6R3	3.82e-3	ng/dscm 7%O2	4.23e-10	lbs/hr	CE7%O2
5D 12378	222C6R4	3.88e-3	ng/dscm 7%O2	4.63e-10	lbs/hr	CE7%O2
5D 12378	222C7R1	0.00e+0		0.00e+0		
5D 12378	222C7R2	0.00e+0		0.00e+0		
5D 12378	222C7R3	0.00e+0		0.00e+0		
5D 12378	222C7R4	0.00e+0		0.00e+0		
5D 12378	222C7R5	0.00e+0		0.00e+0		
5D Other	222C1R1	3.11e+0	ng/dscm 7%O2	4.55e-7	lbs/hr	OCE
5D Other	222C1R2	1.94e+0	ng/dscm 7%O2	2.74e-7	lbs/hr	OCE
5D Other	222C1R3	3.95e+0	ng/dscm 7%O2	5.44e-7	lbs/hr	OCE
5D Other	222C2R1	1.80e+0	ng/dscm 7%O2	2.32e-7	lbs/hr	OCE
5D Other	222C2R2	1.26e+0	ng/dscm 7%O2	1.66e-7	lbs/hr	OCE
5D Other	222C2R3	1.01e+0	ng/dscm 7%O2	1.29e-7	lbs/hr	OCE
5D Other	222C3R1	1.58e+0	ng/dscm 7%O2	1.67e-7	lbs/hr	OCE
5D Other	222C3R2	1.87e+0	ng/dscm 7%O2	2.00e-7	lbs/hr	OCE
5D Other	222C3R3	1.78e+0	ng/dscm 7%O2	1.89e-7	lbs/hr	OCE
5D Other	222C4R1	4.26e-1	ng/dscm 7%O2	4.98e-8	lbs/hr	OCE
5D Other	222C4R2	2.53e-1	ng/dscm 7%O2	2.80e-8	lbs/hr	OCE
5D Other	222C4R3	1.82e-1	ng/dscm 7%O2	2.20e-8	lbs/hr	OCE
5D Other	222C4R4	7.78e-2	ng/dscm 7%O2	9.12e-9	lbs/hr	OCE
5D Other	222C4R5	1.14e-1	ng/dscm 7%O2	1.30e-8	lbs/hr	OCE
5D Other	222C5R1	1.02e-1	ng/dscm 7%O2	1.03e-8	lbs/hr	CE
5D Other	222C5R2	3.42e-2	ng/dscm 7%O2	3.82e-9	lbs/hr	CE
5D Other	222C5R3	6.25e-2	ng/dscm 7%O2	6.71e-9	lbs/hr	CE
5D Other	222C5R4	6.05e-2	ng/dscm 7%O2	6.62e-9	lbs/hr	CE
5D Other	222C5R5	8.90e-2	ng/dscm 7%O2	1.03e-8	lbs/hr	CE
5D Other	222C6R1	6.52e-2	ng/dscm 7%O2	7.17e-9	lbs/hr	OCE
5D Other	222C6R2	5.88e-2	ng/dscm 7%O2	6.27e-9	lbs/hr	OCE
5D Other	222C6R3	4.74e-2	ng/dscm 7%O2	5.25e-9	lbs/hr	OCE
5D Other	222C6R4	6.08e-2	ng/dscm 7%O2	7.26e-9	lbs/hr	OCE
5D Other	222C7R1	4.33e-2	ng/dscm 7%O2	4.53e-9	lbs/hr	OCE
5D Other	222C7R2	1.38e-2	ng/dscm 7%O2	1.44e-9	lbs/hr	OCE
5D Other	222C7R3	1.67e-2	ng/dscm 7%O2	1.66e-9	lbs/hr	OCE
5D Other	222C7R4	1.23e-2	ng/dscm 7%O2	1.41e-9	lbs/hr	OCE
5D Other	222C7R5	1.81e-2	ng/dscm 7%O2	2.01e-9	lbs/hr	OCE
5D Total	222C1R1	3.41e+0	ng/dscm 7%O2	4.98e-7	lbs/hr	CE7%O2
5D Total	222C1R2	2.11e+0	ng/dscm 7%O2	2.99e-7	lbs/hr	CE7%O2
5D Total	222C1R3	4.29e+0	ng/dscm 7%O2	5.90e-7	lbs/hr	CE7%O2
5D Total	222C2R1	1.96e+0	ng/dscm 7%O2	2.52e-7	lbs/hr	CE7%O2
5D Total	222C2R2	1.36e+0	ng/dscm 7%O2	1.80e-7	lbs/hr	CE7%O2
5D Total	222C2R3	1.10e+0	ng/dscm 7%O2	1.40e-7	lbs/hr	CE7%O2
5D Total	222C3R1	1.76e+0	ng/dscm 7%O2	1.86e-7	lbs/hr	CE7%O2
5D Total	222C3R2	2.09e+0	ng/dscm 7%O2	2.24e-7	lbs/hr	CE7%O2
5D Total	222C3R3	2.08e+0	ng/dscm 7%O2	2.20e-7	lbs/hr	CE7%O2
5D Total	222C4R1	4.56e-1	ng/dscm 7%O2	5.33e-8	lbs/hr	CE7%O2
5D Total	222C4R2	2.66e-1	ng/dscm 7%O2	2.94e-8	lbs/hr	CE7%O2
5D Total	222C4R3	1.95e-1	ng/dscm 7%O2	2.36e-8	lbs/hr	CE7%O2
5D Total	222C4R4	8.77e-2	ng/dscm 7%O2	1.03e-8	lbs/hr	CE7%O2
5D Total	222C4R5	1.25e-1	ng/dscm 7%O2	1.43e-8	lbs/hr	CE7%O2
5D Total	222C5R1	1.12e-1	ng/dscm 7%O2	1.13e-8	lbs/hr	OCE
5D Total	222C5R2	3.66e-2	ng/dscm 7%O2	4.09e-9	lbs/hr	OCE
5D Total	222C5R3	6.93e-2	ng/dscm 7%O2	7.44e-9	lbs/hr	OCE
5D Total	222C5R4	6.56e-2	ng/dscm 7%O2	7.18e-9	lbs/hr	OCE
5D Total	222C5R5	9.84e-2	ng/dscm 7%O2	1.13e-8	lbs/hr	OCE
5D Total	222C6R1	7.01e-2	ng/dscm 7%O2	7.70e-9	lbs/hr	CE7%O2
5D Total	222C6R2	6.35e-2	ng/dscm 7%O2	6.77e-9	lbs/hr	CE7%O2
5D Total	222C6R3	5.13e-2	ng/dscm 7%O2	5.68e-9	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

5D Total	222C6R4	6.47e-2	ng/dscm 7%O2	7.72e-9	lbs/hr	CE7%O2
5D Total	222C7R1	4.33e-2	ng/dscm 7%O2	4.53e-9	lbs/hr	CE7%O2
5D Total	222C7R2	1.38e-2	ng/dscm 7%O2	1.44e-9	lbs/hr	CE7%O2
5D Total	222C7R3	1.67e-2	ng/dscm 7%O2	1.66e-9	lbs/hr	CE7%O2
5D Total	222C7R4	1.23e-2	ng/dscm 7%O2	1.41e-9	lbs/hr	CE7%O2
5D Total	222C7R5	1.81e-2	ng/dscm 7%O2	2.01e-9	lbs/hr	CE7%O2
5F 12378	222C1R1	2.39e+0	ng/dscm 7%O2	3.49e-7	lbs/hr	CE7%O2
5F 12378	222C1R2	1.34e+0	ng/dscm 7%O2	1.90e-7	lbs/hr	CE7%O2
5F 12378	222C1R3	3.20e+0	ng/dscm 7%O2	4.40e-7	lbs/hr	CE7%O2
5F 12378	222C2R1	1.06e+0	ng/dscm 7%O2	1.36e-7	lbs/hr	CE7%O2
5F 12378	222C2R2	5.84e-1	ng/dscm 7%O2	7.72e-8	lbs/hr	CE7%O2
5F 12378	222C2R3	4.64e-1	ng/dscm 7%O2	5.93e-8	lbs/hr	CE7%O2
5F 12378	222C3R1	9.35e-1	ng/dscm 7%O2	9.89e-8	lbs/hr	CE7%O2
5F 12378	222C3R2	1.43e+0	ng/dscm 7%O2	1.53e-7	lbs/hr	CE7%O2
5F 12378	222C3R3	1.53e+0	ng/dscm 7%O2	1.63e-7	lbs/hr	CE7%O2
5F 12378	222C4R1	2.05e-1	ng/dscm 7%O2	2.40e-8	lbs/hr	CE7%O2
5F 12378	222C4R2	6.80e-2	ng/dscm 7%O2	7.53e-9	lbs/hr	CE7%O2
5F 12378	222C4R3	8.10e-2	ng/dscm 7%O2	9.77e-9	lbs/hr	CE7%O2
5F 12378	222C4R4	5.35e-2	ng/dscm 7%O2	6.27e-9	lbs/hr	CE7%O2
5F 12378	222C4R5	6.65e-2	ng/dscm 7%O2	7.58e-9	lbs/hr	CE7%O2
5F 12378	222C5R1	4.72e-2	ng/dscm 7%O2	4.78e-9	lbs/hr	CE
5F 12378	222C5R2	1.74e-2	ng/dscm 7%O2	1.94e-9	lbs/hr	CE
5F 12378	222C5R3	3.01e-2	ng/dscm 7%O2	3.23e-9	lbs/hr	CE
5F 12378	222C5R4	2.48e-2	ng/dscm 7%O2	2.71e-9	lbs/hr	CE
5F 12378	222C5R5	4.09e-2	ng/dscm 7%O2	4.71e-9	lbs/hr	CE
5F 12378	222C6R1	3.36e-2	ng/dscm 7%O2	3.69e-9	lbs/hr	CE7%O2
5F 12378	222C6R2	2.88e-2	ng/dscm 7%O2	3.07e-9	lbs/hr	CE7%O2
5F 12378	222C6R3	2.00e-2	ng/dscm 7%O2	2.22e-9	lbs/hr	CE7%O2
5F 12378	222C6R4	2.11e-2	ng/dscm 7%O2	2.52e-9	lbs/hr	CE7%O2
5F 12378	222C7R1	1.22e-2	ng/dscm 7%O2	1.28e-9	lbs/hr	CE7%O2
5F 12378	222C7R2	9.95e-3	ng/dscm 7%O2	1.03e-9	lbs/hr	CE7%O2
5F 12378	222C7R3	9.03e-3	ng/dscm 7%O2	8.98e-10	lbs/hr	CE7%O2
5F 12378	222C7R4	9.63e-3	ng/dscm 7%O2	1.10e-9	lbs/hr	CE7%O2
5F 12378	222C7R5	9.44e-3	ng/dscm 7%O2	1.05e-9	lbs/hr	CE7%O2
5F 23478	222C1R1	2.63e+0	ng/dscm 7%O2	3.83e-7	lbs/hr	CE7%O2
5F 23478	222C1R2	1.34e+0	ng/dscm 7%O2	1.90e-7	lbs/hr	CE7%O2
5F 23478	222C1R3	3.04e+0	ng/dscm 7%O2	4.18e-7	lbs/hr	CE7%O2
5F 23478	222C2R1	1.17e+0	ng/dscm 7%O2	1.51e-7	lbs/hr	CE7%O2
5F 23478	222C2R2	8.95e-1	ng/dscm 7%O2	1.18e-7	lbs/hr	CE7%O2
5F 23478	222C2R3	6.33e-1	ng/dscm 7%O2	8.09e-8	lbs/hr	CE7%O2
5F 23478	222C3R1	9.90e-1	ng/dscm 7%O2	1.05e-7	lbs/hr	CE7%O2
5F 23478	222C3R2	1.63e+0	ng/dscm 7%O2	1.74e-7	lbs/hr	CE7%O2
5F 23478	222C3R3	1.58e+0	ng/dscm 7%O2	1.68e-7	lbs/hr	CE7%O2
5F 23478	222C4R1	3.29e-1	ng/dscm 7%O2	3.84e-8	lbs/hr	CE7%O2
5F 23478	222C4R2	1.27e-1	ng/dscm 7%O2	1.41e-8	lbs/hr	CE7%O2
5F 23478	222C4R3	1.33e-1	ng/dscm 7%O2	1.60e-8	lbs/hr	CE7%O2
5F 23478	222C4R4	1.26e-1	ng/dscm 7%O2	1.48e-8	lbs/hr	CE7%O2
5F 23478	222C4R5	1.56e-1	ng/dscm 7%O2	1.78e-8	lbs/hr	CE7%O2
5F 23478	222C5R1	5.18e-2	ng/dscm 7%O2	5.24e-9	lbs/hr	CE
5F 23478	222C5R2	1.90e-2	ng/dscm 7%O2	2.12e-9	lbs/hr	CE
5F 23478	222C5R3	2.90e-2	ng/dscm 7%O2	3.11e-9	lbs/hr	CE
5F 23478	222C5R4	2.86e-2	ng/dscm 7%O2	3.13e-9	lbs/hr	CE
5F 23478	222C5R5	3.82e-2	ng/dscm 7%O2	4.40e-9	lbs/hr	CE
5F 23478	222C6R1	3.81e-2	ng/dscm 7%O2	4.18e-9	lbs/hr	CE7%O2
5F 23478	222C6R2	3.52e-2	ng/dscm 7%O2	3.75e-9	lbs/hr	CE7%O2
5F 23478	222C6R3	2.75e-2	ng/dscm 7%O2	3.05e-9	lbs/hr	CE7%O2
5F 23478	222C6R4	2.93e-2	ng/dscm 7%O2	3.50e-9	lbs/hr	CE7%O2
5F 23478	222C7R1	2.00e-2	ng/dscm 7%O2	2.09e-9	lbs/hr	CE7%O2
5F 23478	222C7R2	1.34e-2	ng/dscm 7%O2	1.39e-9	lbs/hr	CE7%O2
5F 23478	222C7R3	1.49e-2	ng/dscm 7%O2	1.48e-9	lbs/hr	CE7%O2
5F 23478	222C7R4	1.54e-2	ng/dscm 7%O2	1.76e-9	lbs/hr	CE7%O2
5F 23478	222C7R5	9.85e-3	ng/dscm 7%O2	1.10e-9	lbs/hr	CE7%O2
5F Other	222C1R1	5.98e+1	ng/dscm 7%O2	8.73e-6	lbs/hr	COE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

5F Other	222C1R2	3.07e+1	ng/dscm 7%O2	4.34e-6	lbs/hr	OCE
5F Other	222C1R3	7.56e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	OCE
5F Other	222C2R1	2.20e+1	ng/dscm 7%O2	2.84e-6	lbs/hr	OCE
5F Other	222C2R2	1.45e+1	ng/dscm 7%O2	1.91e-6	lbs/hr	OCE
5F Other	222C2R3	1.32e+1	ng/dscm 7%O2	1.69e-6	lbs/hr	OCE
5F Other	222C3R1	1.73e+1	ng/dscm 7%O2	1.83e-6	lbs/hr	OCE
5F Other	222C3R2	2.70e+1	ng/dscm 7%O2	2.89e-6	lbs/hr	OCE
5F Other	222C3R3	3.15e+1	ng/dscm 7%O2	3.34e-6	lbs/hr	OCE
5F Other	222C4R1	4.02e+0	ng/dscm 7%O2	4.71e-7	lbs/hr	OCE
5F Other	222C4R2	1.58e+0	ng/dscm 7%O2	1.75e-7	lbs/hr	OCE
5F Other	222C4R3	1.74e+0	ng/dscm 7%O2	2.10e-7	lbs/hr	OCE
5F Other	222C4R4	1.42e+0	ng/dscm 7%O2	1.67e-7	lbs/hr	OCE
5F Other	222C4R5	1.59e+0	ng/dscm 7%O2	1.81e-7	lbs/hr	OCE
5F Other	222C5R1	6.82e-1	ng/dscm 7%O2	6.90e-8	lbs/hr	CE
5F Other	222C5R2	3.47e-1	ng/dscm 7%O2	3.88e-8	lbs/hr	CE
5F Other	222C5R3	4.09e-1	ng/dscm 7%O2	4.39e-8	lbs/hr	CE
5F Other	222C5R4	5.45e-1	ng/dscm 7%O2	5.96e-8	lbs/hr	CE
5F Other	222C5R5	6.81e-1	ng/dscm 7%O2	7.85e-8	lbs/hr	CE
5F Other	222C6R1	6.80e-1	ng/dscm 7%O2	7.47e-8	lbs/hr	OCE
5F Other	222C6R2	5.71e-1	ng/dscm 7%O2	6.09e-8	lbs/hr	OCE
5F Other	222C6R3	4.00e-1	ng/dscm 7%O2	4.43e-8	lbs/hr	OCE
5F Other	222C6R4	4.67e-1	ng/dscm 7%O2	5.57e-8	lbs/hr	OCE
5F Other	222C7R1	2.67e-1	ng/dscm 7%O2	2.80e-8	lbs/hr	OCE
5F Other	222C7R2	2.41e-1	ng/dscm 7%O2	2.50e-8	lbs/hr	OCE
5F Other	222C7R3	2.24e-1	ng/dscm 7%O2	2.23e-8	lbs/hr	OCE
5F Other	222C7R4	2.14e-1	ng/dscm 7%O2	2.44e-8	lbs/hr	OCE
5F Other	222C7R5	2.23e-1	ng/dscm 7%O2	2.48e-8	lbs/hr	OCE
5F Total	222C1R1	6.48e+1	ng/dscm 7%O2	9.46e-6	lbs/hr	CE7%O2
5F Total	222C1R2	3.34e+1	ng/dscm 7%O2	4.72e-6	lbs/hr	CE7%O2
5F Total	222C1R3	8.19e+1	ng/dscm 7%O2	1.13e-5	lbs/hr	CE7%O2
5F Total	222C2R1	2.43e+1	ng/dscm 7%O2	3.13e-6	lbs/hr	CE7%O2
5F Total	222C2R2	1.60e+1	ng/dscm 7%O2	2.11e-6	lbs/hr	CE7%O2
5F Total	222C2R3	1.43e+1	ng/dscm 7%O2	1.83e-6	lbs/hr	CE7%O2
5F Total	222C3R1	1.92e+1	ng/dscm 7%O2	2.04e-6	lbs/hr	CE7%O2
5F Total	222C3R2	3.00e+1	ng/dscm 7%O2	3.22e-6	lbs/hr	CE7%O2
5F Total	222C3R3	3.46e+1	ng/dscm 7%O2	3.67e-6	lbs/hr	CE7%O2
5F Total	222C4R1	4.56e+0	ng/dscm 7%O2	5.33e-7	lbs/hr	CE7%O2
5F Total	222C4R2	1.77e+0	ng/dscm 7%O2	1.96e-7	lbs/hr	CE7%O2
5F Total	222C4R3	1.95e+0	ng/dscm 7%O2	2.36e-7	lbs/hr	CE7%O2
5F Total	222C4R4	1.60e+0	ng/dscm 7%O2	1.88e-7	lbs/hr	CE7%O2
5F Total	222C4R5	1.81e+0	ng/dscm 7%O2	2.07e-7	lbs/hr	CE7%O2
5F Total	222C5R1	7.81e-1	ng/dscm 7%O2	7.90e-8	lbs/hr	OCE
5F Total	222C5R2	3.83e-1	ng/dscm 7%O2	4.28e-8	lbs/hr	OCE
5F Total	222C5R3	4.68e-1	ng/dscm 7%O2	5.03e-8	lbs/hr	OCE
5F Total	222C5R4	5.98e-1	ng/dscm 7%O2	6.55e-8	lbs/hr	OCE
5F Total	222C5R5	7.60e-1	ng/dscm 7%O2	8.76e-8	lbs/hr	OCE
5F Total	222C6R1	7.51e-1	ng/dscm 7%O2	8.26e-8	lbs/hr	CE7%O2
5F Total	222C6R2	6.35e-1	ng/dscm 7%O2	6.77e-8	lbs/hr	CE7%O2
5F Total	222C6R3	4.47e-1	ng/dscm 7%O2	4.95e-8	lbs/hr	CE7%O2
5F Total	222C6R4	5.18e-1	ng/dscm 7%O2	6.18e-8	lbs/hr	CE7%O2
5F Total	222C7R1	2.99e-1	ng/dscm 7%O2	3.14e-8	lbs/hr	CE7%O2
5F Total	222C7R2	2.64e-1	ng/dscm 7%O2	2.74e-8	lbs/hr	CE7%O2
5F Total	222C7R3	2.48e-1	ng/dscm 7%O2	2.47e-8	lbs/hr	CE7%O2
5F Total	222C7R4	2.39e-1	ng/dscm 7%O2	2.72e-8	lbs/hr	CE7%O2
5F Total	222C7R5	2.42e-1	ng/dscm 7%O2	2.69e-8	lbs/hr	CE7%O2
6D 123478	222C1R1	2.73e-1	ng/dscm 7%O2	3.98e-8	lbs/hr	CE7%O2
6D 123478	222C1R2	1.30e-1	ng/dscm 7%O2	1.85e-8	lbs/hr	CE7%O2
6D 123478	222C1R3	3.58e-1	ng/dscm 7%O2	4.93e-8	lbs/hr	CE7%O2
6D 123478	222C2R1	1.26e-1	ng/dscm 7%O2	1.62e-8	lbs/hr	CE7%O2
6D 123478	222C2R2	7.41e-2	ng/dscm 7%O2	9.79e-9	lbs/hr	CE7%O2
6D 123478	222C2R3	5.89e-2	ng/dscm 7%O2	7.53e-9	lbs/hr	CE7%O2
6D 123478	222C3R1	1.65e-1	ng/dscm 7%O2	1.75e-8	lbs/hr	CE7%O2
6D 123478	222C3R2	3.36e-1	ng/dscm 7%O2	3.60e-8	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

6D 123478	222C3R3	3.66e-1	ng/dscm 7%O2	3.88e-8	lbs/hr	CE7%O2
6D 123478	222C4R1	3.03e-2	ng/dscm 7%O2	3.54e-9	lbs/hr	CE7%O2
6D 123478	222C4R2	1.19e-2	ng/dscm 7%O2	1.32e-9	lbs/hr	CE7%O2
6D 123478	222C4R3	1.18e-2	ng/dscm 7%O2	1.42e-9	lbs/hr	CE7%O2
6D 123478	222C4R4	8.78e-3	ng/dscm 7%O2	1.03e-9	lbs/hr	CE7%O2
6D 123478	222C4R5	1.29e-2	ng/dscm 7%O2	1.47e-9	lbs/hr	CE7%O2
6D 123478	222C5R1	1.59e-2	ng/dscm 7%O2	1.61e-9	lbs/hr	CE
6D 123478	222C5R2	5.26e-3	ng/dscm 7%O2	5.88e-10	lbs/hr	CE
6D 123478	222C5R3	1.02e-2	ng/dscm 7%O2	1.10e-9	lbs/hr	CE
6D 123478	222C5R4	6.60e-3	ng/dscm 7%O2	7.22e-10	lbs/hr	CE
6D 123478	222C5R5	9.95e-3	ng/dscm 7%O2	1.15e-9	lbs/hr	CE
6D 123478	222C6R1	8.51e-3	ng/dscm 7%O2	9.36e-10	lbs/hr	CE7%O2
6D 123478	222C6R2	6.84e-3	ng/dscm 7%O2	7.29e-10	lbs/hr	CE7%O2
6D 123478	222C6R3	5.59e-3	ng/dscm 7%O2	6.19e-10	lbs/hr	CE7%O2
6D 123478	222C6R4	4.75e-3	ng/dscm 7%O2	5.66e-10	lbs/hr	CE7%O2
6D 123478	222C7R1	0.00e+0		0.00e+0		
6D 123478	222C7R2	0.00e+0		0.00e+0		
6D 123478	222C7R3	0.00e+0		0.00e+0		
6D 123478	222C7R4	0.00e+0		0.00e+0		
6D 123478	222C7R5	0.00e+0		0.00e+0		
6D 123678	222C1R1	3.41e-1	ng/dscm 7%O2	4.98e-8	lbs/hr	CE7%O2
6D 123678	222C1R2	1.73e-1	ng/dscm 7%O2	2.45e-8	lbs/hr	CE7%O2
6D 123678	222C1R3	3.90e-1	ng/dscm 7%O2	5.36e-8	lbs/hr	CE7%O2
6D 123678	222C2R1	1.76e-1	ng/dscm 7%O2	2.27e-8	lbs/hr	CE7%O2
6D 123678	222C2R2	1.13e-1	ng/dscm 7%O2	1.49e-8	lbs/hr	CE7%O2
6D 123678	222C2R3	8.83e-2	ng/dscm 7%O2	1.13e-8	lbs/hr	CE7%O2
6D 123678	222C3R1	2.48e-1	ng/dscm 7%O2	2.62e-8	lbs/hr	CE7%O2
6D 123678	222C3R2	4.18e-1	ng/dscm 7%O2	4.47e-8	lbs/hr	CE7%O2
6D 123678	222C3R3	4.05e-1	ng/dscm 7%O2	4.30e-8	lbs/hr	CE7%O2
6D 123678	222C4R1	4.86e-2	ng/dscm 7%O2	5.68e-9	lbs/hr	CE7%O2
6D 123678	222C4R2	2.08e-2	ng/dscm 7%O2	2.31e-9	lbs/hr	CE7%O2
6D 123678	222C4R3	1.99e-2	ng/dscm 7%O2	2.40e-9	lbs/hr	CE7%O2
6D 123678	222C4R4	1.87e-2	ng/dscm 7%O2	2.19e-9	lbs/hr	CE7%O2
6D 123678	222C4R5	1.92e-2	ng/dscm 7%O2	2.19e-9	lbs/hr	CE7%O2
6D 123678	222C5R1	3.24e-2	ng/dscm 7%O2	3.28e-9	lbs/hr	CE
6D 123678	222C5R2	8.68e-3	ng/dscm 7%O2	9.70e-10	lbs/hr	CE
6D 123678	222C5R3	1.53e-2	ng/dscm 7%O2	1.64e-9	lbs/hr	CE
6D 123678	222C5R4	1.21e-2	ng/dscm 7%O2	1.32e-9	lbs/hr	CE
6D 123678	222C5R5	1.57e-2	ng/dscm 7%O2	1.81e-9	lbs/hr	CE
6D 123678	222C6R1	1.60e-2	ng/dscm 7%O2	1.76e-9	lbs/hr	CE7%O2
6D 123678	222C6R2	1.27e-2	ng/dscm 7%O2	1.35e-9	lbs/hr	CE7%O2
6D 123678	222C6R3	1.16e-2	ng/dscm 7%O2	1.29e-9	lbs/hr	CE7%O2
6D 123678	222C6R4	1.16e-2	ng/dscm 7%O2	1.39e-9	lbs/hr	CE7%O2
6D 123678	222C7R1	0.00e+0		0.00e+0		
6D 123678	222C7R2	6.49e-3	ng/dscm 7%O2	6.73e-10	lbs/hr	CE7%O2
6D 123678	222C7R3	8.58e-3	ng/dscm 7%O2	8.53e-10	lbs/hr	CE7%O2
6D 123678	222C7R4	7.32e-3	ng/dscm 7%O2	8.35e-10	lbs/hr	CE7%O2
6D 123678	222C7R5	6.98e-3	ng/dscm 7%O2	7.76e-10	lbs/hr	CE7%O2
6D 123789	222C1R1	2.01e-1	ng/dscm 7%O2	2.94e-8	lbs/hr	CE7%O2
6D 123789	222C1R2	1.15e-1	ng/dscm 7%O2	1.63e-8	lbs/hr	CE7%O2
6D 123789	222C1R3	2.34e-1	ng/dscm 7%O2	3.22e-8	lbs/hr	CE7%O2
6D 123789	222C2R1	1.09e-1	ng/dscm 7%O2	1.41e-8	lbs/hr	CE7%O2
6D 123789	222C2R2	7.00e-2	ng/dscm 7%O2	9.25e-9	lbs/hr	CE7%O2
6D 123789	222C2R3	4.63e-2	ng/dscm 7%O2	5.92e-9	lbs/hr	CE7%O2
6D 123789	222C3R1	1.54e-1	ng/dscm 7%O2	1.63e-8	lbs/hr	CE7%O2
6D 123789	222C3R2	2.80e-1	ng/dscm 7%O2	3.00e-8	lbs/hr	CE7%O2
6D 123789	222C3R3	3.12e-1	ng/dscm 7%O2	3.31e-8	lbs/hr	CE7%O2
6D 123789	222C4R1	3.55e-2	ng/dscm 7%O2	4.15e-9	lbs/hr	CE7%O2
6D 123789	222C4R2	1.49e-2	ng/dscm 7%O2	1.65e-9	lbs/hr	CE7%O2
6D 123789	222C4R3	1.33e-2	ng/dscm 7%O2	1.60e-9	lbs/hr	CE7%O2
6D 123789	222C4R4	1.95e-2	ng/dscm 7%O2	2.28e-9	lbs/hr	CE7%O2
6D 123789	222C4R5	1.41e-2	ng/dscm 7%O2	1.61e-9	lbs/hr	CE7%O2
6D 123789	222C5R1	2.67e-2	ng/dscm 7%O2	2.70e-9	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES

2. STATE: OH

3. CITY: EAST LIVERPOOL

EPA OHD980613541

REGION: 5

4. EP ID: 222 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: WHB/SD/ESP/Q/PBS

6D 123789	222C5R2	4.34e-3	ng/dscm 7%O2	4.85e-10	lbs/hr	CE
6D 123789	222C5R3	1.36e-2	ng/dscm 7%O2	1.46e-9	lbs/hr	CE
6D 123789	222C5R4	6.05e-3	ng/dscm 7%O2	6.62e-10	lbs/hr	CE
6D 123789	222C5R5	1.26e-2	ng/dscm 7%O2	1.45e-9	lbs/hr	CE
6D 123789	222C6R1	8.51e-3	ng/dscm 7%O2	9.36e-10	lbs/hr	CE7%O2
6D 123789	222C6R2	7.33e-3	ng/dscm 7%O2	7.81e-10	lbs/hr	CE7%O2
6D 123789	222C6R3	5.59e-3	ng/dscm 7%O2	6.19e-10	lbs/hr	CE7%O2
6D 123789	222C6R4	5.61e-3	ng/dscm 7%O2	6.69e-10	lbs/hr	CE7%O2
6D 123789	222C7R1	0.00e+0		0.00e+0		
6D 123789	222C7R2	0.00e+0		0.00e+0		
6D 123789	222C7R3	0.00e+0		0.00e+0		
6D 123789	222C7R4	0.00e+0		0.00e+0		
6D 123789	222C7R5	0.00e+0		0.00e+0		
6D Other	222C1R1	3.28e+0	ng/dscm 7%O2	4.79e-7	lbs/hr	OCE
6D Other	222C1R2	1.84e+0	ng/dscm 7%O2	2.61e-7	lbs/hr	OCE
6D Other	222C1R3	4.08e+0	ng/dscm 7%O2	5.62e-7	lbs/hr	OCE
6D Other	222C2R1	1.82e+0	ng/dscm 7%O2	2.34e-7	lbs/hr	OCE
6D Other	222C2R2	1.07e+0	ng/dscm 7%O2	1.41e-7	lbs/hr	OCE
6D Other	222C2R3	8.61e-1	ng/dscm 7%O2	1.10e-7	lbs/hr	OCE
6D Other	222C3R1	1.96e+0	ng/dscm 7%O2	2.08e-7	lbs/hr	OCE
6D Other	222C3R2	3.19e+0	ng/dscm 7%O2	3.42e-7	lbs/hr	OCE
6D Other	222C3R3	3.51e+0	ng/dscm 7%O2	3.73e-7	lbs/hr	OCE
6D Other	222C4R1	5.21e-1	ng/dscm 7%O2	6.09e-8	lbs/hr	OCE
6D Other	222C4R2	2.18e-1	ng/dscm 7%O2	2.42e-8	lbs/hr	OCE
6D Other	222C4R3	1.99e-1	ng/dscm 7%O2	2.40e-8	lbs/hr	OCE
6D Other	222C4R4	1.39e-1	ng/dscm 7%O2	1.62e-8	lbs/hr	OCE
6D Other	222C4R5	1.52e-1	ng/dscm 7%O2	1.73e-8	lbs/hr	OCE
6D Other	222C5R1	2.79e-1	ng/dscm 7%O2	2.82e-8	lbs/hr	CE
6D Other	222C5R2	8.13e-2	ng/dscm 7%O2	9.09e-9	lbs/hr	CE
6D Other	222C5R3	1.59e-1	ng/dscm 7%O2	1.71e-8	lbs/hr	CE
6D Other	222C5R4	1.21e-1	ng/dscm 7%O2	1.32e-8	lbs/hr	CE
6D Other	222C5R5	1.62e-1	ng/dscm 7%O2	1.87e-8	lbs/hr	CE
6D Other	222C6R1	1.37e-1	ng/dscm 7%O2	1.51e-8	lbs/hr	OCE
6D Other	222C6R2	1.20e-1	ng/dscm 7%O2	1.28e-8	lbs/hr	OCE
6D Other	222C6R3	8.90e-2	ng/dscm 7%O2	9.86e-9	lbs/hr	OCE
6D Other	222C6R4	9.88e-2	ng/dscm 7%O2	1.18e-8	lbs/hr	OCE
6D Other	222C7R1	7.76e-2	ng/dscm 7%O2	8.13e-9	lbs/hr	OCE
6D Other	222C7R2	5.84e-2	ng/dscm 7%O2	6.06e-9	lbs/hr	OCE
6D Other	222C7R3	7.27e-2	ng/dscm 7%O2	7.23e-9	lbs/hr	OCE
6D Other	222C7R4	5.43e-2	ng/dscm 7%O2	6.19e-9	lbs/hr	OCE
6D Other	222C7R5	5.87e-2	ng/dscm 7%O2	6.53e-9	lbs/hr	OCE
6D Total	222C1R1	4.09e+0	ng/dscm 7%O2	5.98e-7	lbs/hr	CE7%O2
6D Total	222C1R2	2.26e+0	ng/dscm 7%O2	3.20e-7	lbs/hr	CE7%O2
6D Total	222C1R3	5.07e+0	ng/dscm 7%O2	6.97e-7	lbs/hr	CE7%O2
6D Total	222C2R1	2.23e+0	ng/dscm 7%O2	2.87e-7	lbs/hr	CE7%O2
6D Total	222C2R2	1.32e+0	ng/dscm 7%O2	1.75e-7	lbs/hr	CE7%O2
6D Total	222C2R3	1.05e+0	ng/dscm 7%O2	1.35e-7	lbs/hr	CE7%O2
6D Total	222C3R1	2.53e+0	ng/dscm 7%O2	2.68e-7	lbs/hr	CE7%O2
6D Total	222C3R2	4.23e+0	ng/dscm 7%O2	4.53e-7	lbs/hr	CE7%O2
6D Total	222C3R3	4.59e+0	ng/dscm 7%O2	4.88e-7	lbs/hr	CE7%O2
6D Total	222C4R1	6.35e-1	ng/dscm 7%O2	7.43e-8	lbs/hr	CE7%O2
6D Total	222C4R2	2.66e-1	ng/dscm 7%O2	2.94e-8	lbs/hr	CE7%O2
6D Total	222C4R3	2.44e-1	ng/dscm 7%O2	2.95e-8	lbs/hr	CE7%O2
6D Total	222C4R4	1.86e-1	ng/dscm 7%O2	2.17e-8	lbs/hr	CE7%O2
6D Total	222C4R5	1.98e-1	ng/dscm 7%O2	2.25e-8	lbs/hr	CE7%O2
6D Total	222C5R1	3.54e-1	ng/dscm 7%O2	3.58e-8	lbs/hr	OCE
6D Total	222C5R2	9.96e-2	ng/dscm 7%O2	1.11e-8	lbs/hr	OCE
6D Total	222C5R3	1.98e-1	ng/dscm 7%O2	2.13e-8	lbs/hr	OCE
6D Total	222C5R4	1.46e-1	ng/dscm 7%O2	1.59e-8	lbs/hr	OCE
6D Total	222C5R5	2.00e-1	ng/dscm 7%O2	2.31e-8	lbs/hr	OCE
6D Total	222C6R1	1.70e-1	ng/dscm 7%O2	1.87e-8	lbs/hr	CE7%O2
6D Total	222C6R2	1.47e-1	ng/dscm 7%O2	1.56e-8	lbs/hr	CE7%O2
6D Total	222C6R3	1.12e-1	ng/dscm 7%O2	1.24e-8	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

6D Total	222C6R4	1.21e-1	ng/dscm 7%O2	1.44e-8	lbs/hr	CE7%O2
6D Total	222C7R1	7.76e-2	ng/dscm 7%O2	8.13e-9	lbs/hr	CE7%O2
6D Total	222C7R2	6.49e-2	ng/dscm 7%O2	6.73e-9	lbs/hr	CE7%O2
6D Total	222C7R3	8.13e-2	ng/dscm 7%O2	8.08e-9	lbs/hr	CE7%O2
6D Total	222C7R4	6.16e-2	ng/dscm 7%O2	7.03e-9	lbs/hr	CE7%O2
6D Total	222C7R5	6.57e-2	ng/dscm 7%O2	7.31e-9	lbs/hr	CE7%O2
6F 123478	222C1R1	8.53e+0	ng/dscm 7%O2	1.24e-6	lbs/hr	CE7%O2
6F 123478	222C1R2	3.45e+0	ng/dscm 7%O2	4.89e-7	lbs/hr	CE7%O2
6F 123478	222C1R3	1.09e+1	ng/dscm 7%O2	1.50e-6	lbs/hr	CE7%O2
6F 123478	222C2R1	2.94e+0	ng/dscm 7%O2	3.78e-7	lbs/hr	CE7%O2
6F 123478	222C2R2	1.63e+0	ng/dscm 7%O2	2.16e-7	lbs/hr	CE7%O2
6F 123478	222C2R3	1.26e+0	ng/dscm 7%O2	1.62e-7	lbs/hr	CE7%O2
6F 123478	222C3R1	2.36e+0	ng/dscm 7%O2	2.50e-7	lbs/hr	CE7%O2
6F 123478	222C3R2	4.48e+0	ng/dscm 7%O2	4.80e-7	lbs/hr	CE7%O2
6F 123478	222C3R3	4.10e+0	ng/dscm 7%O2	4.36e-7	lbs/hr	CE7%O2
6F 123478	222C4R1	6.35e-1	ng/dscm 7%O2	7.43e-8	lbs/hr	CE7%O2
6F 123478	222C4R2	2.34e-1	ng/dscm 7%O2	2.59e-8	lbs/hr	CE7%O2
6F 123478	222C4R3	2.28e-1	ng/dscm 7%O2	2.75e-8	lbs/hr	CE7%O2
6F 123478	222C4R4	1.64e-1	ng/dscm 7%O2	1.92e-8	lbs/hr	CE7%O2
6F 123478	222C4R5	2.19e-1	ng/dscm 7%O2	2.50e-8	lbs/hr	CE7%O2
6F 123478	222C5R1	1.08e-1	ng/dscm 7%O2	1.09e-8	lbs/hr	CE
6F 123478	222C5R2	6.51e-2	ng/dscm 7%O2	7.28e-9	lbs/hr	CE
6F 123478	222C5R3	7.96e-2	ng/dscm 7%O2	8.55e-9	lbs/hr	CE
6F 123478	222C5R4	9.35e-2	ng/dscm 7%O2	1.02e-8	lbs/hr	CE
6F 123478	222C5R5	9.43e-2	ng/dscm 7%O2	1.09e-8	lbs/hr	CE
6F 123478	222C6R1	1.45e-1	ng/dscm 7%O2	1.60e-8	lbs/hr	CE7%O2
6F 123478	222C6R2	1.17e-1	ng/dscm 7%O2	1.25e-8	lbs/hr	CE7%O2
6F 123478	222C6R3	9.32e-2	ng/dscm 7%O2	1.03e-8	lbs/hr	CE7%O2
6F 123478	222C6R4	9.06e-2	ng/dscm 7%O2	1.08e-8	lbs/hr	CE7%O2
6F 123478	222C7R1	4.82e-2	ng/dscm 7%O2	5.05e-9	lbs/hr	CE7%O2
6F 123478	222C7R2	5.19e-2	ng/dscm 7%O2	5.39e-9	lbs/hr	CE7%O2
6F 123478	222C7R3	5.42e-2	ng/dscm 7%O2	5.39e-9	lbs/hr	CE7%O2
6F 123478	222C7R4	5.01e-2	ng/dscm 7%O2	5.71e-9	lbs/hr	CE7%O2
6F 123478	222C7R5	4.92e-2	ng/dscm 7%O2	5.48e-9	lbs/hr	CE7%O2
6F 123678	222C1R1	7.50e+0	ng/dscm 7%O2	1.10e-6	lbs/hr	CE7%O2
6F 123678	222C1R2	3.18e+0	ng/dscm 7%O2	4.51e-7	lbs/hr	CE7%O2
6F 123678	222C1R3	8.97e+0	ng/dscm 7%O2	1.23e-6	lbs/hr	CE7%O2
6F 123678	222C2R1	2.58e+0	ng/dscm 7%O2	3.33e-7	lbs/hr	CE7%O2
6F 123678	222C2R2	1.44e+0	ng/dscm 7%O2	1.90e-7	lbs/hr	CE7%O2
6F 123678	222C2R3	1.18e+0	ng/dscm 7%O2	1.51e-7	lbs/hr	CE7%O2
6F 123678	222C3R1	2.26e+0	ng/dscm 7%O2	2.39e-7	lbs/hr	CE7%O2
6F 123678	222C3R2	3.97e+0	ng/dscm 7%O2	4.25e-7	lbs/hr	CE7%O2
6F 123678	222C3R3	4.40e+0	ng/dscm 7%O2	4.67e-7	lbs/hr	CE7%O2
6F 123678	222C4R1	5.60e-1	ng/dscm 7%O2	6.55e-8	lbs/hr	CE7%O2
6F 123678	222C4R2	2.04e-1	ng/dscm 7%O2	2.26e-8	lbs/hr	CE7%O2
6F 123678	222C4R3	2.02e-1	ng/dscm 7%O2	2.44e-8	lbs/hr	CE7%O2
6F 123678	222C4R4	1.72e-1	ng/dscm 7%O2	2.01e-8	lbs/hr	CE7%O2
6F 123678	222C4R5	2.23e-1	ng/dscm 7%O2	2.54e-8	lbs/hr	CE7%O2
6F 123678	222C5R1	1.08e-1	ng/dscm 7%O2	1.09e-8	lbs/hr	CE
6F 123678	222C5R2	5.96e-2	ng/dscm 7%O2	6.66e-9	lbs/hr	CE
6F 123678	222C5R3	7.96e-2	ng/dscm 7%O2	8.55e-9	lbs/hr	CE
6F 123678	222C5R4	9.35e-2	ng/dscm 7%O2	1.02e-8	lbs/hr	CE
6F 123678	222C5R5	8.90e-2	ng/dscm 7%O2	1.03e-8	lbs/hr	CE
6F 123678	222C6R1	1.35e-1	ng/dscm 7%O2	1.49e-8	lbs/hr	CE7%O2
6F 123678	222C6R2	1.12e-1	ng/dscm 7%O2	1.20e-8	lbs/hr	CE7%O2
6F 123678	222C6R3	8.85e-2	ng/dscm 7%O2	9.81e-9	lbs/hr	CE7%O2
6F 123678	222C6R4	8.20e-2	ng/dscm 7%O2	9.78e-9	lbs/hr	CE7%O2
6F 123678	222C7R1	5.55e-2	ng/dscm 7%O2	5.81e-9	lbs/hr	CE7%O2
6F 123678	222C7R2	5.19e-2	ng/dscm 7%O2	5.39e-9	lbs/hr	CE7%O2
6F 123678	222C7R3	5.42e-2	ng/dscm 7%O2	5.39e-9	lbs/hr	CE7%O2
6F 123678	222C7R4	5.01e-2	ng/dscm 7%O2	5.71e-9	lbs/hr	CE7%O2
6F 123678	222C7R5	4.92e-2	ng/dscm 7%O2	5.48e-9	lbs/hr	CE7%O2
6F 123789	222C1R1	6.14e-1	ng/dscm 7%O2	8.96e-8	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

6F 123789	222C1R2	1.46e-1	ng/dscm 7%O2	2.07e-8	lbs/hr	CE7%O2
6F 123789	222C1R3	8.19e-1	ng/dscm 7%O2	1.13e-7	lbs/hr	CE7%O2
6F 123789	222C2R1	2.74e-1	ng/dscm 7%O2	3.53e-8	lbs/hr	CE7%O2
6F 123789	222C2R2	1.87e-1	ng/dscm 7%O2	2.47e-8	lbs/hr	CE7%O2
6F 123789	222C2R3	1.09e-1	ng/dscm 7%O2	1.40e-8	lbs/hr	CE7%O2
6F 123789	222C3R1	1.82e-1	ng/dscm 7%O2	1.92e-8	lbs/hr	CE7%O2
6F 123789	222C3R2	6.62e-1	ng/dscm 7%O2	7.09e-8	lbs/hr	CE7%O2
6F 123789	222C3R3	2.77e-1	ng/dscm 7%O2	2.94e-8	lbs/hr	CE7%O2
6F 123789	222C4R1	1.20e-1	ng/dscm 7%O2	1.40e-8	lbs/hr	CE7%O2
6F 123789	222C4R2	3.10e-2	ng/dscm 7%O2	3.44e-9	lbs/hr	CE7%O2
6F 123789	222C4R3	3.02e-2	ng/dscm 7%O2	3.64e-9	lbs/hr	CE7%O2
6F 123789	222C4R4	2.83e-2	ng/dscm 7%O2	3.31e-9	lbs/hr	CE7%O2
6F 123789	222C4R5	5.08e-2	ng/dscm 7%O2	5.80e-9	lbs/hr	CE7%O2
6F 123789	222C5R1	3.53e-2	ng/dscm 7%O2	3.57e-9	lbs/hr	CE
6F 123789	222C5R2	1.19e-2	ng/dscm 7%O2	1.33e-9	lbs/hr	CE
6F 123789	222C5R3	1.93e-2	ng/dscm 7%O2	2.07e-9	lbs/hr	CE
6F 123789	222C5R4	2.31e-2	ng/dscm 7%O2	2.53e-9	lbs/hr	CE
6F 123789	222C5R5	1.94e-2	ng/dscm 7%O2	2.23e-9	lbs/hr	CE
6F 123789	222C6R1	2.70e-2	ng/dscm 7%O2	2.97e-9	lbs/hr	CE7%O2
6F 123789	222C6R2	2.49e-2	ng/dscm 7%O2	2.66e-9	lbs/hr	CE7%O2
6F 123789	222C6R3	1.86e-2	ng/dscm 7%O2	2.06e-9	lbs/hr	CE7%O2
6F 123789	222C6R4	1.86e-2	ng/dscm 7%O2	2.21e-9	lbs/hr	CE7%O2
6F 123789	222C7R1	9.43e-3	ng/dscm 7%O2	9.88e-10	lbs/hr	CE7%O2
6F 123789	222C7R2	1.08e-2	ng/dscm 7%O2	1.12e-9	lbs/hr	CE7%O2
6F 123789	222C7R3	1.04e-2	ng/dscm 7%O2	1.03e-9	lbs/hr	CE7%O2
6F 123789	222C7R4	1.08e-2	ng/dscm 7%O2	1.23e-9	lbs/hr	CE7%O2
6F 123789	222C7R5	7.39e-3	ng/dscm 7%O2	8.22e-10	lbs/hr	CE7%O2
6F 234678	222C1R1	3.41e+0	ng/dscm 7%O2	4.98e-7	lbs/hr	CE7%O2
6F 234678	222C1R2	1.38e+0	ng/dscm 7%O2	1.95e-7	lbs/hr	CE7%O2
6F 234678	222C1R3	3.90e+0	ng/dscm 7%O2	5.36e-7	lbs/hr	CE7%O2
6F 234678	222C2R1	1.64e+0	ng/dscm 7%O2	2.12e-7	lbs/hr	CE7%O2
6F 234678	222C2R2	1.17e+0	ng/dscm 7%O2	1.54e-7	lbs/hr	CE7%O2
6F 234678	222C2R3	8.01e-1	ng/dscm 7%O2	1.02e-7	lbs/hr	CE7%O2
6F 234678	222C3R1	1.43e+0	ng/dscm 7%O2	1.51e-7	lbs/hr	CE7%O2
6F 234678	222C3R2	3.00e+0	ng/dscm 7%O2	3.22e-7	lbs/hr	CE7%O2
6F 234678	222C3R3	2.57e+0	ng/dscm 7%O2	2.73e-7	lbs/hr	CE7%O2
6F 234678	222C4R1	6.72e-1	ng/dscm 7%O2	7.86e-8	lbs/hr	CE7%O2
6F 234678	222C4R2	2.04e-1	ng/dscm 7%O2	2.26e-8	lbs/hr	CE7%O2
6F 234678	222C4R3	2.54e-1	ng/dscm 7%O2	3.06e-8	lbs/hr	CE7%O2
6F 234678	222C4R4	1.79e-1	ng/dscm 7%O2	2.10e-8	lbs/hr	CE7%O2
6F 234678	222C4R5	2.46e-1	ng/dscm 7%O2	2.81e-8	lbs/hr	CE7%O2
6F 234678	222C5R1	1.19e-1	ng/dscm 7%O2	1.20e-8	lbs/hr	CE
6F 234678	222C5R2	6.51e-2	ng/dscm 7%O2	7.28e-9	lbs/hr	CE
6F 234678	222C5R3	8.53e-2	ng/dscm 7%O2	9.16e-9	lbs/hr	CE
6F 234678	222C5R4	1.10e-1	ng/dscm 7%O2	1.20e-8	lbs/hr	CE
6F 234678	222C5R5	8.90e-2	ng/dscm 7%O2	1.03e-8	lbs/hr	CE
6F 234678	222C6R1	1.35e-1	ng/dscm 7%O2	1.49e-8	lbs/hr	CE7%O2
6F 234678	222C6R2	1.22e-1	ng/dscm 7%O2	1.30e-8	lbs/hr	CE7%O2
6F 234678	222C6R3	1.03e-1	ng/dscm 7%O2	1.14e-8	lbs/hr	CE7%O2
6F 234678	222C6R4	9.06e-2	ng/dscm 7%O2	1.08e-8	lbs/hr	CE7%O2
6F 234678	222C7R1	5.55e-2	ng/dscm 7%O2	5.81e-9	lbs/hr	CE7%O2
6F 234678	222C7R2	5.19e-2	ng/dscm 7%O2	5.39e-9	lbs/hr	CE7%O2
6F 234678	222C7R3	5.87e-2	ng/dscm 7%O2	5.84e-9	lbs/hr	CE7%O2
6F 234678	222C7R4	5.78e-2	ng/dscm 7%O2	6.59e-9	lbs/hr	CE7%O2
6F 234678	222C7R5	3.45e-2	ng/dscm 7%O2	3.84e-9	lbs/hr	CE7%O2
6F Other	222C1R1	5.84e+1	ng/dscm 7%O2	8.52e-6	lbs/hr	OCE
6F Other	222C1R2	2.25e+1	ng/dscm 7%O2	3.19e-6	lbs/hr	OCE
6F Other	222C1R3	6.90e+1	ng/dscm 7%O2	9.48e-6	lbs/hr	OCE
6F Other	222C2R1	2.08e+1	ng/dscm 7%O2	2.67e-6	lbs/hr	OCE
6F Other	222C2R2	1.15e+1	ng/dscm 7%O2	1.52e-6	lbs/hr	OCE
6F Other	222C2R3	9.71e+0	ng/dscm 7%O2	1.24e-6	lbs/hr	OCE
6F Other	222C3R1	1.63e+1	ng/dscm 7%O2	1.73e-6	lbs/hr	OCE
6F Other	222C3R2	2.86e+1	ng/dscm 7%O2	3.06e-6	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

6F Other	222C3R3	2.82e+1	ng/dscm 7%O2	2.99e-6	lbs/hr	OCE
6F Other	222C4R1	4.36e+0	ng/dscm 7%O2	5.10e-7	lbs/hr	OCE
6F Other	222C4R2	1.63e+0	ng/dscm 7%O2	1.81e-7	lbs/hr	OCE
6F Other	222C4R3	1.89e+0	ng/dscm 7%O2	2.28e-7	lbs/hr	OCE
6F Other	222C4R4	1.48e+0	ng/dscm 7%O2	1.73e-7	lbs/hr	OCE
6F Other	222C4R5	1.90e+0	ng/dscm 7%O2	2.16e-7	lbs/hr	OCE
6F Other	222C5R1	1.02e+0	ng/dscm 7%O2	1.03e-7	lbs/hr	CE
6F Other	222C5R2	6.51e-1	ng/dscm 7%O2	7.28e-8	lbs/hr	CE
6F Other	222C5R3	7.96e-1	ng/dscm 7%O2	8.55e-8	lbs/hr	CE
6F Other	222C5R4	1.05e+0	ng/dscm 7%O2	1.15e-7	lbs/hr	CE
6F Other	222C5R5	9.43e-1	ng/dscm 7%O2	1.09e-7	lbs/hr	CE
6F Other	222C6R1	1.11e+0	ng/dscm 7%O2	1.22e-7	lbs/hr	OCE
6F Other	222C6R2	8.93e-1	ng/dscm 7%O2	9.53e-8	lbs/hr	OCE
6F Other	222C6R3	6.76e-1	ng/dscm 7%O2	7.48e-8	lbs/hr	OCE
6F Other	222C6R4	6.67e-1	ng/dscm 7%O2	7.96e-8	lbs/hr	OCE
6F Other	222C7R1	3.08e-1	ng/dscm 7%O2	3.23e-8	lbs/hr	OCE
6F Other	222C7R2	3.96e-1	ng/dscm 7%O2	4.11e-8	lbs/hr	OCE
6F Other	222C7R3	4.09e-1	ng/dscm 7%O2	4.07e-8	lbs/hr	OCE
6F Other	222C7R4	3.71e-1	ng/dscm 7%O2	4.23e-8	lbs/hr	OCE
6F Other	222C7R5	4.34e-1	ng/dscm 7%O2	4.83e-8	lbs/hr	OCE
6F Total	222C1R1	7.85e+1	ng/dscm 7%O2	1.15e-5	lbs/hr	CE7%O2
6F Total	222C1R2	3.07e+1	ng/dscm 7%O2	4.34e-6	lbs/hr	CE7%O2
6F Total	222C1R3	9.36e+1	ng/dscm 7%O2	1.29e-5	lbs/hr	CE7%O2
6F Total	222C2R1	2.82e+1	ng/dscm 7%O2	3.63e-6	lbs/hr	CE7%O2
6F Total	222C2R2	1.60e+1	ng/dscm 7%O2	2.11e-6	lbs/hr	CE7%O2
6F Total	222C2R3	1.31e+1	ng/dscm 7%O2	1.67e-6	lbs/hr	CE7%O2
6F Total	222C3R1	2.25e+1	ng/dscm 7%O2	2.39e-6	lbs/hr	CE7%O2
6F Total	222C3R2	4.07e+1	ng/dscm 7%O2	4.36e-6	lbs/hr	CE7%O2
6F Total	222C3R3	3.95e+1	ng/dscm 7%O2	4.20e-6	lbs/hr	CE7%O2
6F Total	222C4R1	6.35e+0	ng/dscm 7%O2	7.43e-7	lbs/hr	CE7%O2
6F Total	222C4R2	2.30e+0	ng/dscm 7%O2	2.55e-7	lbs/hr	CE7%O2
6F Total	222C4R3	2.60e+0	ng/dscm 7%O2	3.14e-7	lbs/hr	CE7%O2
6F Total	222C4R4	2.02e+0	ng/dscm 7%O2	2.37e-7	lbs/hr	CE7%O2
6F Total	222C4R5	2.64e+0	ng/dscm 7%O2	3.01e-7	lbs/hr	CE7%O2
6F Total	222C5R1	1.39e+0	ng/dscm 7%O2	1.41e-7	lbs/hr	OCE
6F Total	222C5R2	8.53e-1	ng/dscm 7%O2	9.53e-8	lbs/hr	OCE
6F Total	222C5R3	1.06e+0	ng/dscm 7%O2	1.14e-7	lbs/hr	OCE
6F Total	222C5R4	1.37e+0	ng/dscm 7%O2	1.50e-7	lbs/hr	OCE
6F Total	222C5R5	1.23e+0	ng/dscm 7%O2	1.42e-7	lbs/hr	OCE
6F Total	222C6R1	1.55e+0	ng/dscm 7%O2	1.71e-7	lbs/hr	CE7%O2
6F Total	222C6R2	1.27e+0	ng/dscm 7%O2	1.35e-7	lbs/hr	CE7%O2
6F Total	222C6R3	9.79e-1	ng/dscm 7%O2	1.08e-7	lbs/hr	CE7%O2
6F Total	222C6R4	9.49e-1	ng/dscm 7%O2	1.13e-7	lbs/hr	CE7%O2
6F Total	222C7R1	4.77e-1	ng/dscm 7%O2	5.00e-8	lbs/hr	CE7%O2
6F Total	222C7R2	5.62e-1	ng/dscm 7%O2	5.84e-8	lbs/hr	CE7%O2
6F Total	222C7R3	5.87e-1	ng/dscm 7%O2	5.84e-8	lbs/hr	CE7%O2
6F Total	222C7R4	5.39e-1	ng/dscm 7%O2	6.15e-8	lbs/hr	CE7%O2
6F Total	222C7R5	5.74e-1	ng/dscm 7%O2	6.39e-8	lbs/hr	CE7%O2
7D 1234678	222C1R1	1.02e+0	ng/dscm 7%O2	1.49e-7	lbs/hr	CE7%O2
7D 1234678	222C1R2	4.98e-1	ng/dscm 7%O2	7.06e-8	lbs/hr	CE7%O2
7D 1234678	222C1R3	1.13e+0	ng/dscm 7%O2	1.55e-7	lbs/hr	CE7%O2
7D 1234678	222C2R1	5.48e-1	ng/dscm 7%O2	7.06e-8	lbs/hr	CE7%O2
7D 1234678	222C2R2	3.15e-1	ng/dscm 7%O2	4.17e-8	lbs/hr	CE7%O2
7D 1234678	222C2R3	2.40e-1	ng/dscm 7%O2	3.07e-8	lbs/hr	CE7%O2
7D 1234678	222C3R1	9.90e-1	ng/dscm 7%O2	1.05e-7	lbs/hr	CE7%O2
7D 1234678	222C3R2	2.39e+0	ng/dscm 7%O2	2.56e-7	lbs/hr	CE7%O2
7D 1234678	222C3R3	2.32e+0	ng/dscm 7%O2	2.47e-7	lbs/hr	CE7%O2
7D 1234678	222C4R1	2.05e-1	ng/dscm 7%O2	2.40e-8	lbs/hr	CE7%O2
7D 1234678	222C4R2	8.07e-2	ng/dscm 7%O2	8.94e-9	lbs/hr	CE7%O2
7D 1234678	222C4R3	6.63e-2	ng/dscm 7%O2	7.99e-9	lbs/hr	CE7%O2
7D 1234678	222C4R4	6.87e-2	ng/dscm 7%O2	8.06e-9	lbs/hr	CE7%O2
7D 1234678	222C4R5	7.04e-2	ng/dscm 7%O2	8.03e-9	lbs/hr	CE7%O2
7D 1234678	222C5R1	4.38e-1	ng/dscm 7%O2	4.43e-8	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

7D 1234678	222C5R2	5.42e-2	ng/dscm 7%O2	6.06e-9	lbs/hr	CE
7D 1234678	222C5R3	1.59e-1	ng/dscm 7%O2	1.71e-8	lbs/hr	CE
7D 1234678	222C5R4	6.60e-2	ng/dscm 7%O2	7.22e-9	lbs/hr	CE
7D 1234678	222C5R5	8.38e-2	ng/dscm 7%O2	9.65e-9	lbs/hr	CE
7D 1234678	222C6R1	9.52e-2	ng/dscm 7%O2	1.05e-8	lbs/hr	CE7%O2
7D 1234678	222C6R2	7.33e-2	ng/dscm 7%O2	7.81e-9	lbs/hr	CE7%O2
7D 1234678	222C6R3	5.59e-2	ng/dscm 7%O2	6.19e-9	lbs/hr	CE7%O2
7D 1234678	222C6R4	5.61e-2	ng/dscm 7%O2	6.69e-9	lbs/hr	CE7%O2
7D 1234678	222C7R1	6.10e-2	ng/dscm 7%O2	6.39e-9	lbs/hr	CE7%O2
7D 1234678	222C7R2	7.35e-2	ng/dscm 7%O2	7.63e-9	lbs/hr	CE7%O2
7D 1234678	222C7R3	6.77e-2	ng/dscm 7%O2	6.74e-9	lbs/hr	CE7%O2
7D 1234678	222C7R4	3.85e-2	ng/dscm 7%O2	4.39e-9	lbs/hr	CE7%O2
7D 1234678	222C7R5	3.36e-2	ng/dscm 7%O2	3.74e-9	lbs/hr	CE7%O2
7D Other	222C1R1	1.43e+0	ng/dscm 7%O2	2.09e-7	lbs/hr	OCE
7D Other	222C1R2	6.13e-1	ng/dscm 7%O2	8.69e-8	lbs/hr	OCE
7D Other	222C1R3	1.48e+0	ng/dscm 7%O2	2.04e-7	lbs/hr	OCE
7D Other	222C2R1	7.44e-1	ng/dscm 7%O2	9.58e-8	lbs/hr	OCE
7D Other	222C2R2	4.24e-1	ng/dscm 7%O2	5.61e-8	lbs/hr	OCE
7D Other	222C2R3	3.08e-1	ng/dscm 7%O2	3.93e-8	lbs/hr	OCE
7D Other	222C3R1	1.15e+0	ng/dscm 7%O2	1.22e-7	lbs/hr	OCE
7D Other	222C3R2	2.70e+0	ng/dscm 7%O2	2.89e-7	lbs/hr	OCE
7D Other	222C3R3	2.47e+0	ng/dscm 7%O2	2.62e-7	lbs/hr	OCE
7D Other	222C4R1	2.83e-1	ng/dscm 7%O2	3.31e-8	lbs/hr	OCE
7D Other	222C4R2	9.65e-2	ng/dscm 7%O2	1.07e-8	lbs/hr	OCE
7D Other	222C4R3	8.84e-2	ng/dscm 7%O2	1.07e-8	lbs/hr	OCE
7D Other	222C4R4	8.48e-2	ng/dscm 7%O2	9.93e-9	lbs/hr	OCE
7D Other	222C4R5	9.43e-2	ng/dscm 7%O2	1.08e-8	lbs/hr	OCE
7D Other	222C5R1	7.39e-1	ng/dscm 7%O2	7.48e-8	lbs/hr	CE
7D Other	222C5R2	1.14e-1	ng/dscm 7%O2	1.27e-8	lbs/hr	CE
7D Other	222C5R3	2.96e-1	ng/dscm 7%O2	3.18e-8	lbs/hr	CE
7D Other	222C5R4	1.38e-1	ng/dscm 7%O2	1.51e-8	lbs/hr	CE
7D Other	222C5R5	1.73e-1	ng/dscm 7%O2	1.99e-8	lbs/hr	CE
7D Other	222C6R1	1.15e-1	ng/dscm 7%O2	1.27e-8	lbs/hr	OCE
7D Other	222C6R2	8.30e-2	ng/dscm 7%O2	8.85e-9	lbs/hr	OCE
7D Other	222C6R3	6.52e-2	ng/dscm 7%O2	7.23e-9	lbs/hr	OCE
7D Other	222C6R4	6.47e-2	ng/dscm 7%O2	7.72e-9	lbs/hr	OCE
7D Other	222C7R1	5.55e-2	ng/dscm 7%O2	5.81e-9	lbs/hr	OCE
7D Other	222C7R2	8.65e-2	ng/dscm 7%O2	8.98e-9	lbs/hr	OCE
7D Other	222C7R3	6.77e-2	ng/dscm 7%O2	6.74e-9	lbs/hr	OCE
7D Other	222C7R4	4.62e-2	ng/dscm 7%O2	5.27e-9	lbs/hr	OCE
7D Other	222C7R5	4.43e-2	ng/dscm 7%O2	4.93e-9	lbs/hr	OCE
7D Total	222C1R1	2.46e+0	ng/dscm 7%O2	3.59e-7	lbs/hr	CE7%O2
7D Total	222C1R2	1.11e+0	ng/dscm 7%O2	1.57e-7	lbs/hr	CE7%O2
7D Total	222C1R3	2.61e+0	ng/dscm 7%O2	3.59e-7	lbs/hr	CE7%O2
7D Total	222C2R1	1.29e+0	ng/dscm 7%O2	1.66e-7	lbs/hr	CE7%O2
7D Total	222C2R2	7.40e-1	ng/dscm 7%O2	9.78e-8	lbs/hr	CE7%O2
7D Total	222C2R3	5.48e-1	ng/dscm 7%O2	7.01e-8	lbs/hr	CE7%O2
7D Total	222C3R1	2.14e+0	ng/dscm 7%O2	2.27e-7	lbs/hr	CE7%O2
7D Total	222C3R2	5.09e+0	ng/dscm 7%O2	5.45e-7	lbs/hr	CE7%O2
7D Total	222C3R3	4.79e+0	ng/dscm 7%O2	5.09e-7	lbs/hr	CE7%O2
7D Total	222C4R1	4.88e-1	ng/dscm 7%O2	5.71e-8	lbs/hr	CE7%O2
7D Total	222C4R2	1.77e-1	ng/dscm 7%O2	1.96e-8	lbs/hr	CE7%O2
7D Total	222C4R3	1.55e-1	ng/dscm 7%O2	1.87e-8	lbs/hr	CE7%O2
7D Total	222C4R4	1.53e-1	ng/dscm 7%O2	1.80e-8	lbs/hr	CE7%O2
7D Total	222C4R5	1.65e-1	ng/dscm 7%O2	1.88e-8	lbs/hr	CE7%O2
7D Total	222C5R1	1.18e+0	ng/dscm 7%O2	1.19e-7	lbs/hr	OCE
7D Total	222C5R2	1.68e-1	ng/dscm 7%O2	1.88e-8	lbs/hr	OCE
7D Total	222C5R3	4.55e-1	ng/dscm 7%O2	4.89e-8	lbs/hr	OCE
7D Total	222C5R4	2.04e-1	ng/dscm 7%O2	2.23e-8	lbs/hr	OCE
7D Total	222C5R5	2.57e-1	ng/dscm 7%O2	2.96e-8	lbs/hr	OCE
7D Total	222C6R1	2.10e-1	ng/dscm 7%O2	2.31e-8	lbs/hr	CE7%O2
7D Total	222C6R2	1.56e-1	ng/dscm 7%O2	1.67e-8	lbs/hr	CE7%O2
7D Total	222C6R3	1.21e-1	ng/dscm 7%O2	1.34e-8	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OH0980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

7D Total	222C6R4	1.21e-1	ng/dscm 7%O2	1.44e-8	lbs/hr	CE7%O2
7D Total	222C7R1	1.16e-1	ng/dscm 7%O2	1.22e-8	lbs/hr	CE7%O2
7D Total	222C7R2	1.60e-1	ng/dscm 7%O2	1.66e-8	lbs/hr	CE7%O2
7D Total	222C7R3	1.35e-1	ng/dscm 7%O2	1.35e-8	lbs/hr	CE7%O2
7D Total	222C7R4	8.47e-2	ng/dscm 7%O2	9.67e-9	lbs/hr	CE7%O2
7D Total	222C7R5	7.80e-2	ng/dscm 7%O2	8.67e-9	lbs/hr	CE7%O2
7F 1234678	222C1R1	2.80e+1	ng/dscm 7%O2	4.08e-6	lbs/hr	CE7%O2
7F 1234678	222C1R2	1.04e+1	ng/dscm 7%O2	1.47e-6	lbs/hr	CE7%O2
7F 1234678	222C1R3	2.96e+1	ng/dscm 7%O2	4.07e-6	lbs/hr	CE7%O2
7F 1234678	222C2R1	9.79e+0	ng/dscm 7%O2	1.26e-6	lbs/hr	CE7%O2
7F 1234678	222C2R2	5.06e+0	ng/dscm 7%O2	6.69e-7	lbs/hr	CE7%O2
7F 1234678	222C2R3	3.79e+0	ng/dscm 7%O2	4.85e-7	lbs/hr	CE7%O2
7F 1234678	222C3R1	9.35e+0	ng/dscm 7%O2	9.89e-7	lbs/hr	CE7%O2
7F 1234678	222C3R2	1.68e+1	ng/dscm 7%O2	1.80e-6	lbs/hr	CE7%O2
7F 1234678	222C3R3	1.68e+1	ng/dscm 7%O2	1.78e-6	lbs/hr	CE7%O2
7F 1234678	222C4R1	2.95e+0	ng/dscm 7%O2	3.45e-7	lbs/hr	CE7%O2
7F 1234678	222C4R2	8.50e-1	ng/dscm 7%O2	9.41e-8	lbs/hr	CE7%O2
7F 1234678	222C4R3	8.83e-1	ng/dscm 7%O2	1.07e-7	lbs/hr	CE7%O2
7F 1234678	222C4R4	9.17e-1	ng/dscm 7%O2	1.07e-7	lbs/hr	CE7%O2
7F 1234678	222C4R5	1.06e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	CE7%O2
7F 1234678	222C5R1	6.26e-1	ng/dscm 7%O2	6.34e-8	lbs/hr	CE
7F 1234678	222C5R2	3.69e-1	ng/dscm 7%O2	4.12e-8	lbs/hr	CE
7F 1234678	222C5R3	4.55e-1	ng/dscm 7%O2	4.89e-8	lbs/hr	CE
7F 1234678	222C5R4	6.05e-1	ng/dscm 7%O2	6.62e-8	lbs/hr	CE
7F 1234678	222C5R5	4.61e-1	ng/dscm 7%O2	5.31e-8	lbs/hr	CE
7F 1234678	222C6R1	9.01e-1	ng/dscm 7%O2	9.91e-8	lbs/hr	CE7%O2
7F 1234678	222C6R2	7.33e-1	ng/dscm 7%O2	7.81e-8	lbs/hr	CE7%O2
7F 1234678	222C6R3	5.59e-1	ng/dscm 7%O2	6.19e-8	lbs/hr	CE7%O2
7F 1234678	222C6R4	5.18e-1	ng/dscm 7%O2	6.18e-8	lbs/hr	CE7%O2
7F 1234678	222C7R1	5.55e-1	ng/dscm 7%O2	5.81e-8	lbs/hr	CE7%O2
7F 1234678	222C7R2	6.92e-1	ng/dscm 7%O2	7.18e-8	lbs/hr	CE7%O2
7F 1234678	222C7R3	5.42e-1	ng/dscm 7%O2	5.39e-8	lbs/hr	CE7%O2
7F 1234678	222C7R4	4.24e-1	ng/dscm 7%O2	4.83e-8	lbs/hr	CE7%O2
7F 1234678	222C7R5	3.49e-1	ng/dscm 7%O2	3.88e-8	lbs/hr	CE7%O2
7F 1234789	222C1R1	1.67e+0	ng/dscm 7%O2	2.44e-7	lbs/hr	CE7%O2
7F 1234789	222C1R2	4.22e-1	ng/dscm 7%O2	5.97e-8	lbs/hr	CE7%O2
7F 1234789	222C1R3	1.68e+0	ng/dscm 7%O2	2.31e-7	lbs/hr	CE7%O2
7F 1234789	222C2R1	6.27e-1	ng/dscm 7%O2	8.07e-8	lbs/hr	CE7%O2
7F 1234789	222C2R2	4.28e-1	ng/dscm 7%O2	5.66e-8	lbs/hr	CE7%O2
7F 1234789	222C2R3	2.65e-1	ng/dscm 7%O2	3.40e-8	lbs/hr	CE7%O2
7F 1234789	222C3R1	5.06e-1	ng/dscm 7%O2	5.35e-8	lbs/hr	CE7%O2
7F 1234789	222C3R2	1.99e+0	ng/dscm 7%O2	2.13e-7	lbs/hr	CE7%O2
7F 1234789	222C3R3	7.41e-1	ng/dscm 7%O2	7.87e-8	lbs/hr	CE7%O2
7F 1234789	222C4R1	2.58e-1	ng/dscm 7%O2	3.01e-8	lbs/hr	CE7%O2
7F 1234789	222C4R2	6.80e-2	ng/dscm 7%O2	7.53e-9	lbs/hr	CE7%O2
7F 1234789	222C4R3	7.73e-2	ng/dscm 7%O2	9.33e-9	lbs/hr	CE7%O2
7F 1234789	222C4R4	9.17e-2	ng/dscm 7%O2	1.07e-8	lbs/hr	CE7%O2
7F 1234789	222C4R5	1.02e-1	ng/dscm 7%O2	1.16e-8	lbs/hr	CE7%O2
7F 1234789	222C5R1	8.53e-2	ng/dscm 7%O2	8.63e-9	lbs/hr	CE
7F 1234789	222C5R2	3.52e-2	ng/dscm 7%O2	3.93e-9	lbs/hr	CE
7F 1234789	222C5R3	4.83e-2	ng/dscm 7%O2	5.19e-9	lbs/hr	CE
7F 1234789	222C5R4	6.05e-2	ng/dscm 7%O2	6.62e-9	lbs/hr	CE
7F 1234789	222C5R5	4.30e-2	ng/dscm 7%O2	4.95e-9	lbs/hr	CE
7F 1234789	222C6R1	1.15e-1	ng/dscm 7%O2	1.27e-8	lbs/hr	CE7%O2
7F 1234789	222C6R2	9.28e-2	ng/dscm 7%O2	9.90e-9	lbs/hr	CE7%O2
7F 1234789	222C6R3	6.99e-2	ng/dscm 7%O2	7.74e-9	lbs/hr	CE7%O2
7F 1234789	222C6R4	5.61e-2	ng/dscm 7%O2	6.69e-9	lbs/hr	CE7%O2
7F 1234789	222C7R1	7.21e-2	ng/dscm 7%O2	7.55e-9	lbs/hr	CE7%O2
7F 1234789	222C7R2	7.35e-2	ng/dscm 7%O2	7.63e-9	lbs/hr	CE7%O2
7F 1234789	222C7R3	6.32e-2	ng/dscm 7%O2	6.29e-9	lbs/hr	CE7%O2
7F 1234789	222C7R4	4.24e-2	ng/dscm 7%O2	4.83e-9	lbs/hr	CE7%O2
7F 1234789	222C7R5	2.54e-2	ng/dscm 7%O2	2.83e-9	lbs/hr	CE7%O2
7F Other	222C1R1	1.47e+1	ng/dscm 7%O2	2.15e-6	lbs/hr	COE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

7F Other	222C1R2	3.41e+0	ng/dscm 7%O2	4.83e-7	lbs/hr	OCE
7F Other	222C1R3	1.16e+1	ng/dscm 7%O2	1.59e-6	lbs/hr	OCE
7F Other	222C2R1	4.85e+0	ng/dscm 7%O2	6.25e-7	lbs/hr	OCE
7F Other	222C2R2	3.07e+0	ng/dscm 7%O2	4.06e-7	lbs/hr	OCE
7F Other	222C2R3	2.26e+0	ng/dscm 7%O2	2.90e-7	lbs/hr	OCE
7F Other	222C3R1	3.89e+0	ng/dscm 7%O2	4.12e-7	lbs/hr	OCE
7F Other	222C3R2	1.02e+1	ng/dscm 7%O2	1.10e-6	lbs/hr	OCE
7F Other	222C3R3	5.19e+0	ng/dscm 7%O2	5.51e-7	lbs/hr	OCE
7F Other	222C4R1	2.33e+0	ng/dscm 7%O2	2.72e-7	lbs/hr	OCE
7F Other	222C4R2	6.06e-1	ng/dscm 7%O2	6.72e-8	lbs/hr	OCE
7F Other	222C4R3	5.86e-1	ng/dscm 7%O2	7.07e-8	lbs/hr	OCE
7F Other	222C4R4	5.94e-1	ng/dscm 7%O2	6.96e-8	lbs/hr	OCE
7F Other	222C4R5	6.54e-1	ng/dscm 7%O2	7.46e-8	lbs/hr	OCE
7F Other	222C5R1	1.19e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	OE
7F Other	222C5R2	7.05e-1	ng/dscm 7%O2	7.88e-8	lbs/hr	OE
7F Other	222C5R3	8.53e-1	ng/dscm 7%O2	9.16e-8	lbs/hr	OE
7F Other	222C5R4	1.10e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	OE
7F Other	222C5R5	8.38e-1	ng/dscm 7%O2	9.65e-8	lbs/hr	OE
7F Other	222C6R1	7.36e-1	ng/dscm 7%O2	8.09e-8	lbs/hr	OCE
7F Other	222C6R2	5.91e-1	ng/dscm 7%O2	6.30e-8	lbs/hr	OCE
7F Other	222C6R3	4.43e-1	ng/dscm 7%O2	4.90e-8	lbs/hr	OCE
7F Other	222C6R4	4.18e-1	ng/dscm 7%O2	4.99e-8	lbs/hr	OCE
7F Other	222C7R1	3.72e-1	ng/dscm 7%O2	3.89e-8	lbs/hr	OCE
7F Other	222C7R2	4.46e-1	ng/dscm 7%O2	4.62e-8	lbs/hr	OCE
7F Other	222C7R3	3.88e-1	ng/dscm 7%O2	3.86e-8	lbs/hr	OCE
7F Other	222C7R4	3.04e-1	ng/dscm 7%O2	3.47e-8	lbs/hr	OCE
7F Other	222C7R5	2.41e-1	ng/dscm 7%O2	2.68e-8	lbs/hr	OCE
7F Total	222C1R1	4.43e+1	ng/dscm 7%O2	6.47e-6	lbs/hr	CE7%O2
7F Total	222C1R2	1.42e+1	ng/dscm 7%O2	2.01e-6	lbs/hr	CE7%O2
7F Total	222C1R3	4.29e+1	ng/dscm 7%O2	5.90e-6	lbs/hr	CE7%O2
7F Total	222C2R1	1.53e+1	ng/dscm 7%O2	1.97e-6	lbs/hr	CE7%O2
7F Total	222C2R2	8.56e+0	ng/dscm 7%O2	1.13e-6	lbs/hr	CE7%O2
7F Total	222C2R3	6.32e+0	ng/dscm 7%O2	8.09e-7	lbs/hr	CE7%O2
7F Total	222C3R1	1.37e+1	ng/dscm 7%O2	1.45e-6	lbs/hr	CE7%O2
7F Total	222C3R2	2.90e+1	ng/dscm 7%O2	3.11e-6	lbs/hr	CE7%O2
7F Total	222C3R3	2.27e+1	ng/dscm 7%O2	2.41e-6	lbs/hr	CE7%O2
7F Total	222C4R1	5.53e+0	ng/dscm 7%O2	6.47e-7	lbs/hr	CE7%O2
7F Total	222C4R2	1.52e+0	ng/dscm 7%O2	1.69e-7	lbs/hr	CE7%O2
7F Total	222C4R3	1.55e+0	ng/dscm 7%O2	1.87e-7	lbs/hr	CE7%O2
7F Total	222C4R4	1.60e+0	ng/dscm 7%O2	1.88e-7	lbs/hr	CE7%O2
7F Total	222C4R5	1.81e+0	ng/dscm 7%O2	2.07e-7	lbs/hr	CE7%O2
7F Total	222C5R1	1.90e+0	ng/dscm 7%O2	1.92e-7	lbs/hr	OCE
7F Total	222C5R2	1.11e+0	ng/dscm 7%O2	1.24e-7	lbs/hr	OCE
7F Total	222C5R3	1.36e+0	ng/dscm 7%O2	1.46e-7	lbs/hr	OCE
7F Total	222C5R4	1.77e+0	ng/dscm 7%O2	1.93e-7	lbs/hr	OCE
7F Total	222C5R5	1.34e+0	ng/dscm 7%O2	1.55e-7	lbs/hr	OCE
7F Total	222C6R1	1.75e+0	ng/dscm 7%O2	1.93e-7	lbs/hr	CE7%O2
7F Total	222C6R2	1.42e+0	ng/dscm 7%O2	1.51e-7	lbs/hr	CE7%O2
7F Total	222C6R3	1.07e+0	ng/dscm 7%O2	1.19e-7	lbs/hr	CE7%O2
7F Total	222C6R4	9.92e-1	ng/dscm 7%O2	1.18e-7	lbs/hr	CE7%O2
7F Total	222C7R1	9.98e-1	ng/dscm 7%O2	1.05e-7	lbs/hr	CE7%O2
7F Total	222C7R2	1.21e+0	ng/dscm 7%O2	1.26e-7	lbs/hr	CE7%O2
7F Total	222C7R3	9.93e-1	ng/dscm 7%O2	9.88e-8	lbs/hr	CE7%O2
7F Total	222C7R4	7.70e-1	ng/dscm 7%O2	8.79e-8	lbs/hr	CE7%O2
7F Total	222C7R5	6.16e-1	ng/dscm 7%O2	6.85e-8	lbs/hr	CE7%O2
8D	222C1R1	7.85e-1	ng/dscm 7%O2	1.15e-7	lbs/hr	CE7%O2
8D	222C1R2	3.79e-1	ng/dscm 7%O2	5.37e-8	lbs/hr	CE7%O2
8D	222C1R3	6.63e-1	ng/dscm 7%O2	9.12e-8	lbs/hr	CE7%O2
8D	222C2R1	3.92e-1	ng/dscm 7%O2	5.04e-8	lbs/hr	CE7%O2
8D	222C2R2	2.49e-1	ng/dscm 7%O2	3.29e-8	lbs/hr	CE7%O2
8D	222C2R3	2.11e-1	ng/dscm 7%O2	2.70e-8	lbs/hr	CE7%O2
8D	222C3R1	1.16e+0	ng/dscm 7%O2	1.22e-7	lbs/hr	CE7%O2
8D	222C3R2	3.67e+0	ng/dscm 7%O2	3.93e-7	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OH0980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

8D	222C3R3	3.51e+0	ng/dscm 7%O2	3.73e-7	lbs/hr	CE7%O2
8D	222C4R1	5.53e-1	ng/dscm 7%O2	6.47e-8	lbs/hr	CE7%O2
8D	222C4R2	3.19e-1	ng/dscm 7%O2	3.53e-8	lbs/hr	CE7%O2
8D	222C4R3	1.63e-1	ng/dscm 7%O2	1.96e-8	lbs/hr	CE7%O2
8D	222C4R4	1.86e-1	ng/dscm 7%O2	2.17e-8	lbs/hr	CE7%O2
8D	222C4R5	1.40e-1	ng/dscm 7%O2	1.60e-8	lbs/hr	CE7%O2
8D	222C5R1	1.99e+0	ng/dscm 7%O2	2.01e-7	lbs/hr	CE
8D	222C5R2	1.63e-1	ng/dscm 7%O2	1.82e-8	lbs/hr	CE
8D	222C5R3	5.68e-1	ng/dscm 7%O2	6.10e-8	lbs/hr	CE
8D	222C5R4	1.82e-1	ng/dscm 7%O2	1.99e-8	lbs/hr	CE
8D	222C5R5	2.20e-1	ng/dscm 7%O2	2.53e-8	lbs/hr	CE
8D	222C6R1	2.90e-1	ng/dscm 7%O2	3.19e-8	lbs/hr	CE7%O2
8D	222C6R2	1.76e-1	ng/dscm 7%O2	1.87e-8	lbs/hr	CE7%O2
8D	222C6R3	1.54e-1	ng/dscm 7%O2	1.70e-8	lbs/hr	CE7%O2
8D	222C6R4	1.16e-1	ng/dscm 7%O2	1.39e-8	lbs/hr	CE7%O2
8D	222C7R1	4.21e-1	ng/dscm 7%O2	4.42e-8	lbs/hr	CE7%O2
8D	222C7R2	6.06e-1	ng/dscm 7%O2	6.28e-8	lbs/hr	CE7%O2
8D	222C7R3	2.89e-1	ng/dscm 7%O2	2.87e-8	lbs/hr	CE7%O2
8D	222C7R4	1.46e-1	ng/dscm 7%O2	1.67e-8	lbs/hr	CE7%O2
8D	222C7R5	1.27e-1	ng/dscm 7%O2	1.42e-8	lbs/hr	CE7%O2
8F	222C1R1	2.87e+0	ng/dscm 7%O2	4.18e-7	lbs/hr	CE7%O2
8F	222C1R2	7.67e-1	ng/dscm 7%O2	1.09e-7	lbs/hr	CE7%O2
8F	222C1R3	3.08e+0	ng/dscm 7%O2	4.24e-7	lbs/hr	CE7%O2
8F	222C2R1	1.17e+0	ng/dscm 7%O2	1.51e-7	lbs/hr	CE7%O2
8F	222C2R2	8.56e-1	ng/dscm 7%O2	1.13e-7	lbs/hr	CE7%O2
8F	222C2R3	5.90e-1	ng/dscm 7%O2	7.55e-8	lbs/hr	CE7%O2
8F	222C3R1	9.90e-1	ng/dscm 7%O2	1.05e-7	lbs/hr	CE7%O2
8F	222C3R2	4.99e+0	ng/dscm 7%O2	5.34e-7	lbs/hr	CE7%O2
8F	222C3R3	2.17e+0	ng/dscm 7%O2	2.31e-7	lbs/hr	CE7%O2
8F	222C4R1	2.60e+0	ng/dscm 7%O2	3.05e-7	lbs/hr	CE7%O2
8F	222C4R2	6.03e-1	ng/dscm 7%O2	6.67e-8	lbs/hr	CE7%O2
8F	222C4R3	5.86e-1	ng/dscm 7%O2	7.07e-8	lbs/hr	CE7%O2
8F	222C4R4	6.92e-1	ng/dscm 7%O2	8.11e-8	lbs/hr	CE7%O2
8F	222C4R5	5.93e-1	ng/dscm 7%O2	6.76e-8	lbs/hr	CE7%O2
8F	222C5R1	5.57e-1	ng/dscm 7%O2	5.64e-8	lbs/hr	CE
8F	222C5R2	2.39e-1	ng/dscm 7%O2	2.67e-8	lbs/hr	CE
8F	222C5R3	3.01e-1	ng/dscm 7%O2	3.23e-8	lbs/hr	CE
8F	222C5R4	4.07e-1	ng/dscm 7%O2	4.45e-8	lbs/hr	CE
8F	222C5R5	2.30e-1	ng/dscm 7%O2	2.65e-8	lbs/hr	CE
8F	222C6R1	1.05e+0	ng/dscm 7%O2	1.16e-7	lbs/hr	CE7%O2
8F	222C6R2	6.35e-1	ng/dscm 7%O2	6.77e-8	lbs/hr	CE7%O2
8F	222C6R3	5.13e-1	ng/dscm 7%O2	5.68e-8	lbs/hr	CE7%O2
8F	222C6R4	3.41e-1	ng/dscm 7%O2	4.07e-8	lbs/hr	CE7%O2
8F	222C7R1	1.61e+0	ng/dscm 7%O2	1.68e-7	lbs/hr	CE7%O2
8F	222C7R2	1.73e+0	ng/dscm 7%O2	1.80e-7	lbs/hr	CE7%O2
8F	222C7R3	9.03e-1	ng/dscm 7%O2	8.98e-8	lbs/hr	CE7%O2
8F	222C7R4	5.01e-1	ng/dscm 7%O2	5.71e-8	lbs/hr	CE7%O2
8F	222C7R5	3.61e-1	ng/dscm 7%O2	4.02e-8	lbs/hr	CE7%O2
TEQ	222C1R1	4.10e+0	ng/dscm 7%O2	5.99e-7	lbs/hr	CCET
TEQ	222C1R2	1.88e+0	ng/dscm 7%O2	2.66e-7	lbs/hr	CCET
TEQ	222C1R3	4.86e+0	ng/dscm 7%O2	6.69e-7	lbs/hr	CCET
TEQ	222C2R1	1.70e+0	ng/dscm 7%O2	2.18e-7	lbs/hr	CCET
TEQ	222C2R2	1.11e+0	ng/dscm 7%O2	1.47e-7	lbs/hr	CCET
TEQ	222C2R3	8.23e-1	ng/dscm 7%O2	1.05e-7	lbs/hr	CCET
TEQ	222C3R1	1.50e+0	ng/dscm 7%O2	1.58e-7	lbs/hr	CCET
TEQ	222C3R2	2.62e+0	ng/dscm 7%O2	2.80e-7	lbs/hr	CCET
TEQ	222C3R3	2.55e+0	ng/dscm 7%O2	2.71e-7	lbs/hr	CCET
TEQ	222C4R1	4.49e-1	ng/dscm 7%O2	5.25e-8	lbs/hr	CCET
TEQ	222C4R2	1.62e-1	ng/dscm 7%O2	1.80e-8	lbs/hr	CCET
TEQ	222C4R3	1.69e-1	ng/dscm 7%O2	2.04e-8	lbs/hr	CCET
TEQ	222C4R4	1.48e-1	ng/dscm 7%O2	1.73e-8	lbs/hr	CCET
TEQ	222C4R5	1.83e-1	ng/dscm 7%O2	2.09e-8	lbs/hr	CCET
TEQ	222C5R1	9.79e-2	ng/dscm 7%O2	9.91e-9	lbs/hr	CCET

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OH0980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

TEQ	222C5R2	4.07e-2	ng/dscm	7%O2	4.54e-9	lbs/hr	CCET
TEQ	222C5R3	6.11e-2	ng/dscm	7%O2	6.56e-9	lbs/hr	CCET
TEQ	222C5R4	6.43e-2	ng/dscm	7%O2	7.04e-9	lbs/hr	CCET
TEQ	222C5R5	7.14e-2	ng/dscm	7%O2	8.23e-9	lbs/hr	CCET
TEQ	222C6R1	8.40e-2	ng/dscm	7%O2	9.23e-9	lbs/hr	CCET
TEQ	222C6R2	7.23e-2	ng/dscm	7%O2	7.71e-9	lbs/hr	CCET
TEQ	222C6R3	5.73e-2	ng/dscm	7%O2	6.35e-9	lbs/hr	CCET
TEQ	222C6R4	5.58e-2	ng/dscm	7%O2	6.65e-9	lbs/hr	CCET
TEQ	222C7R1	3.70e-2	ng/dscm	7%O2	3.87e-9	lbs/hr	CCET
TEQ	222C7R2	3.56e-2	ng/dscm	7%O2	3.70e-9	lbs/hr	CCET
TEQ	222C7R3	3.47e-2	ng/dscm	7%O2	3.45e-9	lbs/hr	CCET
TEQ	222C7R4	3.18e-2	ng/dscm	7%O2	3.62e-9	lbs/hr	CCET
TEQ	222C7R5	2.49e-2	ng/dscm	7%O2	2.78e-9	lbs/hr	CCET
Total PCDD/PCDF	222C1R1	2.41e+2	ng/dscm	7%O2	3.51e-5	lbs/hr	CCET
Total PCDD/PCDF	222C1R2	1.09e+2	ng/dscm	7%O2	1.54e-5	lbs/hr	CCET
Total PCDD/PCDF	222C1R3	2.83e+2	ng/dscm	7%O2	3.89e-5	lbs/hr	CCET
Total PCDD/PCDF	222C2R1	9.23e+1	ng/dscm	7%O2	1.19e-5	lbs/hr	CCET
Total PCDD/PCDF	222C2R2	5.83e+1	ng/dscm	7%O2	7.70e-6	lbs/hr	CCET
Total PCDD/PCDF	222C2R3	4.80e+1	ng/dscm	7%O2	6.14e-6	lbs/hr	CCET
Total PCDD/PCDF	222C3R1	7.65e+1	ng/dscm	7%O2	8.09e-6	lbs/hr	CCET
Total PCDD/PCDF	222C3R2	1.39e+2	ng/dscm	7%O2	1.48e-5	lbs/hr	CCET
Total PCDD/PCDF	222C3R3	1.32e+2	ng/dscm	7%O2	1.40e-5	lbs/hr	CCET
Total PCDD/PCDF	222C4R1	2.37e+1	ng/dscm	7%O2	2.77e-6	lbs/hr	CCET
Total PCDD/PCDF	222C4R2	1.30e+1	ng/dscm	7%O2	1.44e-6	lbs/hr	CCET
Total PCDD/PCDF	222C4R3	9.58e+0	ng/dscm	7%O2	1.16e-6	lbs/hr	CCET
Total PCDD/PCDF	222C4R4	7.70e+0	ng/dscm	7%O2	9.02e-7	lbs/hr	CCET
Total PCDD/PCDF	222C4R5	8.60e+0	ng/dscm	7%O2	9.81e-7	lbs/hr	CCET
Total PCDD/PCDF	222C5R1	8.77e+0	ng/dscm	7%O2	8.87e-7	lbs/hr	CCET
Total PCDD/PCDF	222C5R2	3.24e+0	ng/dscm	7%O2	3.62e-7	lbs/hr	CCET
Total PCDD/PCDF	222C5R3	4.79e+0	ng/dscm	7%O2	5.15e-7	lbs/hr	CCET
Total PCDD/PCDF	222C5R4	4.98e+0	ng/dscm	7%O2	5.44e-7	lbs/hr	CCET
Total PCDD/PCDF	222C5R5	4.89e+0	ng/dscm	7%O2	5.64e-7	lbs/hr	CCET
Total PCDD/PCDF	222C6R1	6.21e+0	ng/dscm	7%O2	6.83e-7	lbs/hr	CCET
Total PCDD/PCDF	222C6R2	4.86e+0	ng/dscm	7%O2	5.18e-7	lbs/hr	CCET
Total PCDD/PCDF	222C6R3	3.69e+0	ng/dscm	7%O2	4.09e-7	lbs/hr	CCET
Total PCDD/PCDF	222C6R4	3.57e+0	ng/dscm	7%O2	4.25e-7	lbs/hr	CCET
Total PCDD/PCDF	222C7R1	4.46e+0	ng/dscm	7%O2	4.68e-7	lbs/hr	CCET
Total PCDD/PCDF	222C7R2	4.78e+0	ng/dscm	7%O2	4.96e-7	lbs/hr	CCET
Total PCDD/PCDF	222C7R3	3.39e+0	ng/dscm	7%O2	3.37e-7	lbs/hr	CCET
Total PCDD/PCDF	222C7R4	2.47e+0	ng/dscm	7%O2	2.82e-7	lbs/hr	CCET
Total PCDD/PCDF	222C7R5	2.26e+0	ng/dscm	7%O2	2.51e-7	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C1R1	ND 4.66e-2 ppmv 7%O2	2.00e-2 lbs/hr	CC7%O2
Chlorine	222C1R2	1.44e-1 ppmv 7%O2	6.00e-2 lbs/hr	CC7%O2
Chlorine	222C1R3	ND 7.42e-2 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
Chlorine	222C2R1	1.11e+0 ppmv 7%O2	4.20e-1 lbs/hr	CC7%O2
Chlorine	222C2R2	1.03e+0 ppmv 7%O2	4.00e-1 lbs/hr	CC7%O2
Chlorine	222C2R3	5.85e-1 ppmv 7%O2	2.20e-1 lbs/hr	CC7%O2
Chlorine	222C3R1	9.65e-2 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
Chlorine	222C3R2	ND 6.25e-2 ppmv 7%O2	2.00e-2 lbs/hr	CC7%O2
Chlorine	222C3R3	2.56e-1 ppmv 7%O2	8.00e-2 lbs/hr	CC7%O2
Chlorine	222C6R1	3.10e-1 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
Chlorine	222C6R2	3.19e-1 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
Chlorine	222C6R3	2.77e-1 ppmv 7%O2	9.00e-2 lbs/hr	CC7%O2
Chlorine	222C6R4	2.85e-1 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
HCl	222C1R1	ND 1.81e-1 ppmv 7%O2	4.00e-2 lbs/hr	CC7%O2
HCl	222C1R2	ND 1.87e-1 ppmv 7%O2	4.00e-2 lbs/hr	CC7%O2
HCl	222C1R3	3.37e-1 ppmv 7%O2	7.00e-2 lbs/hr	CC7%O2
HCl	222C2R1	2.21e+0 ppmv 7%O2	4.30e-1 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES

2. STATE: OH

3. CITY: EAST LIVERPOOL

EPA OHD980613541

REGION: 5

4. EP ID: 222 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: WHB/SD/ESP/Q/PBS

HCl	222C2R2		2.15e+0	ppmv 7%O2	4.30e-1	lbs/hr	CC7%O2
HCl	222C2R3		2.12e+0	ppmv 7%O2	4.10e-1	lbs/hr	CC7%O2
HCl	222C3R1		2.00e+0	ppmv 7%O2	3.20e-1	lbs/hr	CC7%O2
HCl	222C3R2		1.79e+0	ppmv 7%O2	2.90e-1	lbs/hr	CC7%O2
HCl	222C3R3		9.35e-1	ppmv 7%O2	1.50e-1	lbs/hr	CC7%O2
HCl	222C6R1	ND	1.81e-1	ppmv 7%O2	3.00e-2	lbs/hr	CC7%O2
HCl	222C6R2		1.80e+0	ppmv 7%O2	2.90e-1	lbs/hr	CC7%O2
HCl	222C6R3		1.49e+0	ppmv 7%O2	2.50e-1	lbs/hr	CC7%O2
HCl	222C6R4		1.55e+0	ppmv 7%O2	2.80e-1	lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chromium (Hex)	222C1R1	ND	8.96e-2 ug/dscm 7%O2	1.40e-5 lbs/hr	7%O2
Chromium (Hex)	222C1R2	ND	8.97e-2 ug/dscm 7%O2	1.30e-5 lbs/hr	7%O2
Chromium (Hex)	222C1R3	ND	9.20e-2 ug/dscm 7%O2	1.30e-5 lbs/hr	7%O2
Lead	222C5R1		2.42e+0 ug/dscm 7%O2	2.45e-4 lbs/hr	CE
Lead	222C5R2		1.69e+0 ug/dscm 7%O2	1.89e-4 lbs/hr	CE
Lead	222C5R3		1.81e+0 ug/dscm 7%O2	1.94e-4 lbs/hr	CE
Lead	222C5R6		1.87e+0 ug/dscm 7%O2	2.15e-4 lbs/hr	CE
Lead	222C5R7		4.50e+0 ug/dscm 7%O2	4.93e-4 lbs/hr	CE
Lead	222C5R8		2.41e+0 ug/dscm 7%O2	2.69e-4 lbs/hr	CE

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Particulate	222C1R1		3.03e-3 gr/dscf 7%O2	9.80e-1 lbs/hr	7%O2
Particulate	222C1R2		3.50e-3 gr/dscf 7%O2	1.10e+0 lbs/hr	7%O2
Particulate	222C1R3		1.67e-3 gr/dscf 7%O2	5.20e-1 lbs/hr	7%O2
Particulate	222C2R1		1.79e-3 gr/dscf 7%O2	5.20e-1 lbs/hr	7%O2
Particulate	222C2R2		2.48e-3 gr/dscf 7%O2	7.40e-1 lbs/hr	7%O2
Particulate	222C2R3		3.40e-3 gr/dscf 7%O2	9.80e-1 lbs/hr	7%O2
Particulate	222C3R1		2.84e-3 gr/dscf 7%O2	7.10e-1 lbs/hr	7%O2
Particulate	222C3R2		1.85e-3 gr/dscf 7%O2	4.40e-1 lbs/hr	7%O2
Particulate	222C3R3		1.05e-3 gr/dscf 7%O2	2.40e-1 lbs/hr	7%O2
Particulate	222C5R1		2.80e-3 gr/dscf 7%O2	6.49e-1 lbs/hr	CE
Particulate	222C5R2		8.05e-4 gr/dscf 7%O2	2.06e-1 lbs/hr	CE
Particulate	222C5R3		7.84e-4 gr/dscf 7%O2	1.93e-1 lbs/hr	CE
Particulate	222C5R6		8.96e-4 gr/dscf 7%O2	2.36e-1 lbs/hr	CE
Particulate	222C5R7		1.39e-3 gr/dscf 7%O2	3.48e-1 lbs/hr	CE
Particulate	222C5R8		1.10e-3 gr/dscf 7%O2	2.81e-1 lbs/hr	CE
Particulate	222C6R1		1.60e-3 gr/dscf 7%O2	4.03e-1 lbs/hr	CE
Particulate	222C6R2		1.80e-3 gr/dscf 7%O2	4.39e-1 lbs/hr	CE
Particulate	222C6R3		1.50e-3 gr/dscf 7%O2	3.80e-1 lbs/hr	CE
Particulate	222C6R4		1.50e-3 gr/dscf 7%O2	4.10e-1 lbs/hr	CE
Particulate	222C7R1		3.00e-3 gr/dscf 7%O2	7.20e-1 lbs/hr	CE
Particulate	222C7R2		6.00e-3 gr/dscf 7%O2	1.43e+0 lbs/hr	CE
Particulate	222C7R3		3.40e-3 gr/dscf 7%O2	7.74e-1 lbs/hr	CE
Particulate	222C7R4		2.60e-3 gr/dscf 7%O2	6.79e-1 lbs/hr	CE
Particulate	222C7R5		2.40e-3 gr/dscf 7%O2	6.11e-1 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
CO	222C1R1		3.81e+1 ppmv 7%O2	6.45e+0 lbs/hr	CE7%O2
CO	222C1R2		2.92e+1 ppmv 7%O2	4.80e+0 lbs/hr	CE7%O2
CO	222C1R3		3.49e+1 ppmv 7%O2	5.56e+0 lbs/hr	CE7%O2
CO	222C2R1		5.21e+1 ppmv 7%O2	7.79e+0 lbs/hr	CE7%O2
CO	222C2R2		6.44e+1 ppmv 7%O2	9.88e+0 lbs/hr	CE7%O2
CO	222C2R3		7.52e+1 ppmv 7%O2	1.12e+1 lbs/hr	CE7%O2
CO	222C3R1		9.15e+0 ppmv 7%O2	1.12e+0 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

CO	222C3R2	1.11e+1	ppmv 7%O2	1.38e+0	lbs/hr	CE7%O2
CO	222C3R3	1.15e+1	ppmv 7%O2	1.42e+0	lbs/hr	CE7%O2
CO	222C6R1	4.25e+1	ppmv 7%O2	5.43e+0	lbs/hr	CE7%O2
CO	222C6R2	2.06e+1	ppmv 7%O2	2.55e+0	lbs/hr	CE7%O2
CO	222C6R3	3.58e+1	ppmv 7%O2	4.60e+0	lbs/hr	CE7%O2
CO	222C6R4	4.57e+1	ppmv 7%O2	6.33e+0	lbs/hr	CE7%O2
THC	222C1R1	3.03e-1	ppmv 7%O2	8.07e-2	lbs/hr	CE7%O2
THC	222C1R2	4.67e-1	ppmv 7%O2	1.21e-1	lbs/hr	CE7%O2
THC	222C1R3	2.42e-1	ppmv 7%O2	6.08e-2	lbs/hr	CE7%O2
THC	222C2R1	3.44e-1	ppmv 7%O2	8.09e-2	lbs/hr	CE7%O2
THC	222C2R2	1.21e-1	ppmv 7%O2	2.92e-2	lbs/hr	CE7%O2
THC	222C2R3	6.12e-1	ppmv 7%O2	1.43e-1	lbs/hr	CE7%O2
THC	222C3R1	2.03e-1	ppmv 7%O2	3.92e-2	lbs/hr	CE7%O2
THC	222C3R2	4.93e-1	ppmv 7%O2	9.80e-2	lbs/hr	CE7%O2
THC	222C3R3	1.17e+0	ppmv 7%O2	2.28e-1	lbs/hr	CE7%O2
THC	222C6R4	1.71e-1	ppmv 7%O2	3.71e-2	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Benzene	222C1R1	5.35e+4 ng/dscm 7%O2	7.81e-3 lbs/hr	CE7%O2
Benzene	222C1R2	2.97e+4 ng/dscm 7%O2	4.20e-3 lbs/hr	CE7%O2
Benzene	222C1R3	2.44e+4 ng/dscm 7%O2	3.36e-3 lbs/hr	CE7%O2
Benzene	222C2R1	2.07e+4 ng/dscm 7%O2	2.67e-3 lbs/hr	CE7%O2
Benzene	222C2R2	2.08e+4 ng/dscm 7%O2	2.75e-3 lbs/hr	CE7%O2
Benzene	222C2R3	2.45e+4 ng/dscm 7%O2	3.14e-3 lbs/hr	CE7%O2
Benzene	222C3R1	2.66e+4 ng/dscm 7%O2	2.81e-3 lbs/hr	CE7%O2
Benzene	222C3R2	1.18e+4 ng/dscm 7%O2	1.26e-3 lbs/hr	CE7%O2
Benzene	222C3R3	8.42e+4 ng/dscm 7%O2	8.95e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C1R1	8.19e+3 ng/dscm 7%O2	1.20e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C1R2	1.11e+4 ng/dscm 7%O2	1.58e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C1R3	1.33e+4 ng/dscm 7%O2	1.83e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C2R1	3.07e+5 ng/dscm 7%O2	3.96e-2 lbs/hr	CE7%O2
Carbon Tetrachloride	222C2R2	1.12e+5 ng/dscm 7%O2	1.48e-2 lbs/hr	CE7%O2
Carbon Tetrachloride	222C2R3	8.91e+4 ng/dscm 7%O2	1.14e-2 lbs/hr	CE7%O2
Carbon Tetrachloride	222C3R1	3.35e+4 ng/dscm 7%O2	3.55e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C3R2	2.43e+4 ng/dscm 7%O2	2.60e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	222C3R3	3.17e+4 ng/dscm 7%O2	3.37e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C6R1	3.07e+4 ng/dscm 7%O2	3.37e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C6R2	6.31e+4 ng/dscm 7%O2	6.73e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C6R3	3.82e+4 ng/dscm 7%O2	4.23e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	222C6R4	2.76e+4 ng/dscm 7%O2	3.29e-3 lbs/hr	CE7%O2
Chlorobenzene	222C1R1	ND 3.75e+3 ng/dscm 7%O2	5.47e-4 lbs/hr	CE7%O2
Chlorobenzene	222C1R2	ND 3.71e+3 ng/dscm 7%O2	5.25e-4 lbs/hr	CE7%O2
Chlorobenzene	222C1R3	ND 3.82e+3 ng/dscm 7%O2	5.25e-4 lbs/hr	CE7%O2
Chlorobenzene	222C2R1	ND 3.47e+3 ng/dscm 7%O2	4.47e-4 lbs/hr	CE7%O2
Chlorobenzene	222C2R2	ND 3.63e+3 ng/dscm 7%O2	4.80e-4 lbs/hr	CE7%O2
Chlorobenzene	222C2R3	ND 3.69e+3 ng/dscm 7%O2	4.72e-4 lbs/hr	CE7%O2
Chlorobenzene	222C3R1	ND 5.26e+3 ng/dscm 7%O2	5.57e-4 lbs/hr	CE7%O2
Chlorobenzene	222C3R2	ND 5.16e+3 ng/dscm 7%O2	5.52e-4 lbs/hr	CE7%O2
Chlorobenzene	222C3R3	ND 5.51e+3 ng/dscm 7%O2	5.86e-4 lbs/hr	CE7%O2
Chlorobenzene	222C6R1	1.88e+3 ng/dscm 7%O2	2.06e-4 lbs/hr	CE7%O2
Chlorobenzene	222C6R2	3.64e+3 ng/dscm 7%O2	3.88e-4 lbs/hr	CE7%O2
Chlorobenzene	222C6R3	3.58e+3 ng/dscm 7%O2	3.96e-4 lbs/hr	CE7%O2
Chlorobenzene	222C6R4	5.99e+3 ng/dscm 7%O2	7.15e-4 lbs/hr	CE7%O2
Chloroform	222C1R1	1.80e+4 ng/dscm 7%O2	2.62e-3 lbs/hr	CE7%O2
Chloroform	222C1R2	1.78e+4 ng/dscm 7%O2	2.52e-3 lbs/hr	CE7%O2
Chloroform	222C1R3	1.87e+4 ng/dscm 7%O2	2.57e-3 lbs/hr	CE7%O2
Chloroform	222C2R1	4.83e+4 ng/dscm 7%O2	6.22e-3 lbs/hr	CE7%O2
Chloroform	222C2R2	3.34e+4 ng/dscm 7%O2	4.41e-3 lbs/hr	CE7%O2
Chloroform	222C2R3	3.06e+4 ng/dscm 7%O2	3.91e-3 lbs/hr	CE7%O2
Chloroform	222C3R1	1.69e+4 ng/dscm 7%O2	1.79e-3 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

Chloroform	222C3R2		1.10e+4	ng/dscm	7%O2	1.17e-3	lbs/hr	CE7%O2
Chloroform	222C3R3		2.15e+4	ng/dscm	7%O2	2.28e-3	lbs/hr	CE7%O2
Tetrachloroethene	222C1R1	ND	3.75e+3	ng/dscm	7%O2	5.47e-4	lbs/hr	CE7%O2
Tetrachloroethene	222C1R2	ND	3.71e+3	ng/dscm	7%O2	5.25e-4	lbs/hr	CE7%O2
Tetrachloroethene	222C1R3	ND	3.82e+3	ng/dscm	7%O2	5.25e-4	lbs/hr	CE7%O2
Tetrachloroethene	222C2R1		6.82e+5	ng/dscm	7%O2	8.78e-2	lbs/hr	CE7%O2
Tetrachloroethene	222C2R2		5.42e+5	ng/dscm	7%O2	7.17e-2	lbs/hr	CE7%O2
Tetrachloroethene	222C2R3		7.01e+5	ng/dscm	7%O2	8.97e-2	lbs/hr	CE7%O2
Tetrachloroethene	222C3R1	ND	5.61e+3	ng/dscm	7%O2	5.93e-4	lbs/hr	CE7%O2
Tetrachloroethene	222C3R2	ND	5.16e+3	ng/dscm	7%O2	5.52e-4	lbs/hr	CE7%O2
Tetrachloroethene	222C3R3	ND	5.51e+3	ng/dscm	7%O2	5.86e-4	lbs/hr	CE7%O2
Trichloroethene	222C1R1	ND	3.75e+3	ng/dscm	7%O2	5.47e-4	lbs/hr	CE7%O2
Trichloroethene	222C1R2	ND	3.71e+3	ng/dscm	7%O2	5.25e-4	lbs/hr	CE7%O2
Trichloroethene	222C1R3	ND	3.82e+3	ng/dscm	7%O2	5.25e-4	lbs/hr	CE7%O2
Trichloroethene	222C2R1	ND	3.47e+3	ng/dscm	7%O2	4.47e-4	lbs/hr	CE7%O2
Trichloroethene	222C2R2	ND	3.63e+3	ng/dscm	7%O2	4.80e-4	lbs/hr	CE7%O2
Trichloroethene	222C2R3	ND	3.69e+3	ng/dscm	7%O2	4.72e-4	lbs/hr	CE7%O2
Trichloroethene	222C6R1		2.88e+3	ng/dscm	7%O2	3.16e-4	lbs/hr	CE7%O2
Trichloroethene	222C6R2		4.94e+3	ng/dscm	7%O2	5.27e-4	lbs/hr	CE7%O2
Trichloroethene	222C6R3		6.54e+3	ng/dscm	7%O2	7.24e-4	lbs/hr	CE7%O2
Trichloroethene	222C6R4		4.67e+3	ng/dscm	7%O2	5.57e-4	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE EPA NJD001707944 REGION: 2
 4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/QT

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS
 7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
4D 2378	725C1R5	ND	7.25e-3	ng/dscm 7%O2	1.67e-11 lbs/hr	CE
4D 2378	725C1R6	ND	1.36e-2	ng/dscm 7%O2	3.08e-11 lbs/hr	CE
4D 2378	725C1R7	ND	3.82e-3	ng/dscm 7%O2	8.97e-12 lbs/hr	CE
4D Other	725C1R5		1.31e-1	ng/dscm 7%O2	3.01e-10 lbs/hr	CE
4D Other	725C1R6		1.49e-1	ng/dscm 7%O2	3.38e-10 lbs/hr	CE
4D Other	725C1R7		1.62e-2	ng/dscm 7%O2	3.80e-11 lbs/hr	CE
4D Total	725C1R5		1.38e-1	ng/dscm 7%O2	3.18e-10 lbs/hr	CCE
4D Total	725C1R6		1.63e-1	ng/dscm 7%O2	3.69e-10 lbs/hr	CCE
4D Total	725C1R7		2.00e-2	ng/dscm 7%O2	4.70e-11 lbs/hr	CCE
4F 2378	725C1R5		5.70e-2	ng/dscm 7%O2	1.31e-10 lbs/hr	CE
4F 2378	725C1R6		4.75e-2	ng/dscm 7%O2	1.08e-10 lbs/hr	CE
4F 2378	725C1R7		3.34e-2	ng/dscm 7%O2	7.84e-11 lbs/hr	CE
4F Other	725C1R5		1.25e+0	ng/dscm 7%O2	2.87e-9 lbs/hr	CE
4F Other	725C1R6		7.52e-1	ng/dscm 7%O2	1.70e-9 lbs/hr	CE
4F Other	725C1R7		2.01e-1	ng/dscm 7%O2	4.72e-10 lbs/hr	CE
4F Total	725C1R5		1.31e+0	ng/dscm 7%O2	3.01e-9 lbs/hr	CCE
4F Total	725C1R6		7.99e-1	ng/dscm 7%O2	1.81e-9 lbs/hr	CCE
4F Total	725C1R7		2.34e-1	ng/dscm 7%O2	5.50e-10 lbs/hr	CCE
5D 12378	725C1R5	ND	4.30e-2	ng/dscm 7%O2	9.89e-11 lbs/hr	CE
5D 12378	725C1R6		4.28e-2	ng/dscm 7%O2	9.70e-11 lbs/hr	CE
5D 12378	725C1R7	ND	4.78e-3	ng/dscm 7%O2	1.12e-11 lbs/hr	CE
5D Other	725C1R5		2.22e-1	ng/dscm 7%O2	5.10e-10 lbs/hr	CE
5D Other	725C1R6		2.65e-1	ng/dscm 7%O2	6.01e-10 lbs/hr	CE
5D Other	725C1R7		4.78e-2	ng/dscm 7%O2	1.12e-10 lbs/hr	CE
5D Total	725C1R5		2.65e-1	ng/dscm 7%O2	6.09e-10 lbs/hr	CCE
5D Total	725C1R6		3.08e-1	ng/dscm 7%O2	6.98e-10 lbs/hr	CCE
5D Total	725C1R7		5.26e-2	ng/dscm 7%O2	1.23e-10 lbs/hr	CCE
5F 12378	725C1R5		1.20e-1	ng/dscm 7%O2	2.76e-10 lbs/hr	CE
5F 12378	725C1R6	ND	8.47e-2	ng/dscm 7%O2	1.92e-10 lbs/hr	CE
5F 12378	725C1R7		3.34e-2	ng/dscm 7%O2	7.84e-11 lbs/hr	CE
5F 23478	725C1R5		2.05e-1	ng/dscm 7%O2	4.71e-10 lbs/hr	CE
5F 23478	725C1R6	ND	1.42e-1	ng/dscm 7%O2	3.22e-10 lbs/hr	CE
5F 23478	725C1R7		4.44e-2	ng/dscm 7%O2	1.04e-10 lbs/hr	CE
5F Other	725C1R5		1.16e+0	ng/dscm 7%O2	2.67e-9 lbs/hr	CE
5F Other	725C1R6		1.17e+0	ng/dscm 7%O2	2.65e-9 lbs/hr	CE
5F Other	725C1R7		2.89e-1	ng/dscm 7%O2	6.78e-10 lbs/hr	CE
5F Total	725C1R5		1.49e+0	ng/dscm 7%O2	3.41e-9 lbs/hr	CCE
5F Total	725C1R6		1.40e+0	ng/dscm 7%O2	3.17e-9 lbs/hr	CCE
5F Total	725C1R7		3.67e-1	ng/dscm 7%O2	8.61e-10 lbs/hr	CCE
6D 123478	725C1R5		3.62e-2	ng/dscm 7%O2	8.32e-11 lbs/hr	CE
6D 123478	725C1R6	ND	5.17e-2	ng/dscm 7%O2	1.17e-10 lbs/hr	CE
6D 123478	725C1R7	ND	7.17e-3	ng/dscm 7%O2	1.68e-11 lbs/hr	CE
6D 123678	725C1R5		6.81e-2	ng/dscm 7%O2	1.57e-10 lbs/hr	CE
6D 123678	725C1R6	ND	8.51e-2	ng/dscm 7%O2	1.93e-10 lbs/hr	CE
6D 123678	725C1R7		2.01e-2	ng/dscm 7%O2	4.72e-11 lbs/hr	CE
6D 123789	725C1R5		1.66e-1	ng/dscm 7%O2	3.82e-10 lbs/hr	CE
6D 123789	725C1R6		1.21e-1	ng/dscm 7%O2	2.74e-10 lbs/hr	CE
6D 123789	725C1R7		3.34e-2	ng/dscm 7%O2	7.84e-11 lbs/hr	CE
6D Other	725C1R5		5.96e-1	ng/dscm 7%O2	1.37e-9 lbs/hr	CE
6D Other	725C1R6		6.57e-1	ng/dscm 7%O2	1.49e-9 lbs/hr	CE
6D Other	725C1R7		5.40e-2	ng/dscm 7%O2	1.27e-10 lbs/hr	CE
6D Total	725C1R5		8.66e-1	ng/dscm 7%O2	1.99e-9 lbs/hr	CCE
6D Total	725C1R6		9.15e-1	ng/dscm 7%O2	2.07e-9 lbs/hr	CCE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE
 4. EP ID: 725

DEVICE NAME: LV-3 INCINERATOR

EPA ID: NJD001707944
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/QT

REGION: 2

6D Total	725C1R7		1.15e-1	ng/dscm 7%O2	2.69e-10	lbs/hr	CCE
6F 123478	725C1R5		2.99e-1	ng/dscm 7%O2	6.88e-10	lbs/hr	CE
6F 123478	725C1R6		2.81e-1	ng/dscm 7%O2	6.37e-10	lbs/hr	CE
6F 123478	725C1R7		8.41e-2	ng/dscm 7%O2	1.97e-10	lbs/hr	CE
6F 123678	725C1R5		1.65e-1	ng/dscm 7%O2	3.79e-10	lbs/hr	CE
6F 123678	725C1R6		1.35e-1	ng/dscm 7%O2	3.06e-10	lbs/hr	CE
6F 123678	725C1R7		3.92e-2	ng/dscm 7%O2	9.20e-11	lbs/hr	CE
6F 123789	725C1R5	ND	1.11e-2	ng/dscm 7%O2	2.55e-11	lbs/hr	CE
6F 123789	725C1R6	ND	1.98e-2	ng/dscm 7%O2	4.49e-11	lbs/hr	CE
6F 123789	725C1R7	ND	7.17e-3	ng/dscm 7%O2	1.68e-11	lbs/hr	CE
6F 234678	725C1R5		1.73e-1	ng/dscm 7%O2	3.98e-10	lbs/hr	CE
6F 234678	725C1R6		1.20e-1	ng/dscm 7%O2	2.72e-10	lbs/hr	CE
6F 234678	725C1R7		4.01e-2	ng/dscm 7%O2	9.41e-11	lbs/hr	CE
6F Other	725C1R5		8.31e-1	ng/dscm 7%O2	1.91e-9	lbs/hr	CE
6F Other	725C1R6		7.09e-1	ng/dscm 7%O2	1.61e-9	lbs/hr	CE
6F Other	725C1R7		1.21e-1	ng/dscm 7%O2	2.84e-10	lbs/hr	CE
6F Total	725C1R5		1.48e+0	ng/dscm 7%O2	3.40e-9	lbs/hr	CCE
6F Total	725C1R6		1.26e+0	ng/dscm 7%O2	2.87e-9	lbs/hr	CCE
6F Total	725C1R7		2.92e-1	ng/dscm 7%O2	6.84e-10	lbs/hr	CCE
7D 1234678	725C1R5		4.70e-1	ng/dscm 7%O2	1.08e-9	lbs/hr	CE
7D 1234678	725C1R6		4.69e-1	ng/dscm 7%O2	1.06e-9	lbs/hr	CE
7D 1234678	725C1R7		6.21e-2	ng/dscm 7%O2	1.46e-10	lbs/hr	CE
7D Other	725C1R5		5.66e-1	ng/dscm 7%O2	1.30e-9	lbs/hr	CE
7D Other	725C1R6		4.89e-1	ng/dscm 7%O2	1.11e-9	lbs/hr	CE
7D Other	725C1R7		1.12e-1	ng/dscm 7%O2	2.63e-10	lbs/hr	CE
7D Total	725C1R5		1.04e+0	ng/dscm 7%O2	2.38e-9	lbs/hr	CCE
7D Total	725C1R6		9.58e-1	ng/dscm 7%O2	2.17e-9	lbs/hr	CCE
7D Total	725C1R7		1.74e-1	ng/dscm 7%O2	4.09e-10	lbs/hr	CCE
7F 1234678	725C1R5	ND	5.88e-1	ng/dscm 7%O2	1.35e-9	lbs/hr	CE
7F 1234678	725C1R6		4.82e-1	ng/dscm 7%O2	1.09e-9	lbs/hr	CE
7F 1234678	725C1R7		1.32e-1	ng/dscm 7%O2	3.10e-10	lbs/hr	CE
7F 1234789	725C1R5	ND	5.07e-2	ng/dscm 7%O2	1.17e-10	lbs/hr	CE
7F 1234789	725C1R6	ND	3.29e-2	ng/dscm 7%O2	7.46e-11	lbs/hr	CE
7F 1234789	725C1R7	ND	9.55e-3	ng/dscm 7%O2	2.24e-11	lbs/hr	CE
7F Other	725C1R5		2.16e-1	ng/dscm 7%O2	4.97e-10	lbs/hr	CE
7F Other	725C1R6		2.43e-1	ng/dscm 7%O2	5.51e-10	lbs/hr	CE
7F Other	725C1R7		3.68e-2	ng/dscm 7%O2	8.64e-11	lbs/hr	CE
7F Total	725C1R5		8.55e-1	ng/dscm 7%O2	1.97e-9	lbs/hr	CCE
7F Total	725C1R6		7.58e-1	ng/dscm 7%O2	1.72e-9	lbs/hr	CCE
7F Total	725C1R7		1.78e-1	ng/dscm 7%O2	4.19e-10	lbs/hr	CCE
8D	725C1R5		7.11e-1	ng/dscm 7%O2	1.63e-9	lbs/hr	CE
8D	725C1R6		1.22e+0	ng/dscm 7%O2	2.77e-9	lbs/hr	CE
8D	725C1R7		2.56e-1	ng/dscm 7%O2	6.01e-10	lbs/hr	CE
8F	725C1R5		2.22e-1	ng/dscm 7%O2	5.10e-10	lbs/hr	CE
8F	725C1R6	ND	2.65e-1	ng/dscm 7%O2	6.01e-10	lbs/hr	CE
8F	725C1R7	ND	2.77e-2	ng/dscm 7%O2	6.50e-11	lbs/hr	CE
TEQ	725C1R5		2.47e-1	ng/dscm 7%O2	5.67e-10	lbs/hr	CCET
TEQ	725C1R6		2.08e-1	ng/dscm 7%O2	4.71e-10	lbs/hr	CCET
TEQ	725C1R7		5.89e-2	ng/dscm 7%O2	1.38e-10	lbs/hr	CCET
Total PCDD/PCDF	725C1R5		8.36e+0	ng/dscm 7%O2	1.92e-8	lbs/hr	CCET
Total PCDD/PCDF	725C1R6		8.05e+0	ng/dscm 7%O2	1.82e-8	lbs/hr	CCET
Total PCDD/PCDF	725C1R7		1.72e+0	ng/dscm 7%O2	4.03e-9	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	725C1R1	3.10e+1 ppmv 7%O2	2.38e-1 lbs/hr	CE
Chlorine	725C1R2	3.17e+1 ppmv 7%O2	2.43e-1 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE EPA NJD001707944 REGION: 2
 4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/QT

Chlorine	725C1R3	4.58e+1	ppmv 7%O2	3.34e-1	lbs/hr	CE	
Chlorine	725C2R1	6.64e+1	ppmv 7%O2	5.90e-1	lbs/hr	CE	
Chlorine	725C2R2	8.52e+1	ppmv 7%O2	8.26e-1	lbs/hr	CE	
Chlorine	725C2R3	8.49e+1	ppmv 7%O2	8.60e-1	lbs/hr	CE	
HCl	725C1R1	3.43e+0	ppmv 7%O2	1.36e-2	lbs/hr	CE	
HCl	725C1R2	1.71e+0	ppmv 7%O2	6.74e-3	lbs/hr	CE	
HCl	725C1R3	3.56e+0	ppmv 7%O2	1.34e-2	lbs/hr	CE	
HCl	725C2R1	7.40e+0	ppmv 7%O2	3.38e-2	lbs/hr	CE	
HCl	725C2R2	5.95e+0	ppmv 7%O2	2.97e-2	lbs/hr	CE	
HCl	725C2R3	7.81e+0	ppmv 7%O2	4.07e-2	lbs/hr	CE	
HF	725C1R1	ND	7.04e-2	ppmv 7%O2	1.53e-4	lbs/hr	CE
HF	725C1R2	ND	6.30e-2	ppmv 7%O2	1.36e-4	lbs/hr	CE
HF	725C1R3	ND	6.94e-2	ppmv 7%O2	1.43e-4	lbs/hr	CE
HF	725C2R1	ND	5.38e-1	ppmv 7%O2	1.35e-3	lbs/hr	CE
HF	725C2R2	ND	5.22e-1	ppmv 7%O2	1.43e-3	lbs/hr	CE
HF	725C2R3	ND	5.28e-1	ppmv 7%O2	1.51e-3	lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	725C1R5	1.13e+1 ug/dscm 7%O2	2.59e-5 lbs/hr	CE
Antimony	725C1R6	1.19e+0 ug/dscm 7%O2	2.70e-6 lbs/hr	CE
Antimony	725C1R7	1.47e+1 ug/dscm 7%O2	3.44e-5 lbs/hr	CE
Arsenic	725C1R5	1.05e+0 ug/dscm 7%O2	2.42e-6 lbs/hr	CE
Arsenic	725C1R6	1.68e+0 ug/dscm 7%O2	3.81e-6 lbs/hr	CE
Arsenic	725C1R7	ND 2.07e+0 ug/dscm 7%O2	4.87e-6 lbs/hr	CE
Barium	725C1R5	ND 1.79e+1 ug/dscm 7%O2	4.12e-5 lbs/hr	CE
Barium	725C1R6	ND 2.50e+1 ug/dscm 7%O2	5.66e-5 lbs/hr	CE
Barium	725C1R7	ND 1.92e+1 ug/dscm 7%O2	4.50e-5 lbs/hr	CE
Beryllium	725C1R5	ND 4.46e-2 ug/dscm 7%O2	1.03e-7 lbs/hr	CE
Beryllium	725C1R6	ND 4.85e-2 ug/dscm 7%O2	1.10e-7 lbs/hr	CE
Beryllium	725C1R7	ND 4.78e-2 ug/dscm 7%O2	1.12e-7 lbs/hr	CE
Cadmium	725C1R5	ND 4.46e+0 ug/dscm 7%O2	1.03e-5 lbs/hr	CE
Cadmium	725C1R6	ND 4.85e+0 ug/dscm 7%O2	1.10e-5 lbs/hr	CE
Cadmium	725C1R7	ND 4.78e+0 ug/dscm 7%O2	1.12e-5 lbs/hr	CE
Chromium	725C1R5	3.48e+1 ug/dscm 7%O2	8.00e-5 lbs/hr	CE
Chromium	725C1R6	4.01e+1 ug/dscm 7%O2	9.08e-5 lbs/hr	CE
Chromium	725C1R7	4.51e+1 ug/dscm 7%O2	1.06e-4 lbs/hr	CE
Lead	725C1R5	3.94e+1 ug/dscm 7%O2	9.05e-5 lbs/hr	CE
Lead	725C1R6	2.43e+1 ug/dscm 7%O2	5.50e-5 lbs/hr	CE
Lead	725C1R7	3.46e+1 ug/dscm 7%O2	8.11e-5 lbs/hr	CE
Mercury	725C1R5	ND 1.61e+0 ug/dscm 7%O2	3.71e-6 lbs/hr	CE
Mercury	725C1R6	ND 1.82e+0 ug/dscm 7%O2	4.12e-6 lbs/hr	CE
Mercury	725C1R7	ND 1.53e+0 ug/dscm 7%O2	3.60e-6 lbs/hr	CE
Silver	725C1R5	ND 4.46e+0 ug/dscm 7%O2	1.03e-5 lbs/hr	CE
Silver	725C1R6	ND 4.85e+0 ug/dscm 7%O2	1.10e-5 lbs/hr	CE
Silver	725C1R7	ND 4.78e+0 ug/dscm 7%O2	1.12e-5 lbs/hr	CE
Thallium	725C1R5	ND 4.46e-1 ug/dscm 7%O2	1.03e-6 lbs/hr	CE
Thallium	725C1R6	ND 4.85e-1 ug/dscm 7%O2	1.10e-6 lbs/hr	CE
Thallium	725C1R7	ND 4.78e-1 ug/dscm 7%O2	1.12e-6 lbs/hr	CE

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	725C1R1	1.99e-2 gr/dscf 7%O2	1.19e-1 lbs/hr	CE
Particulate	725C1R2	1.59e-2 gr/dscf 7%O2	9.49e-2 lbs/hr	CE
Particulate	725C1R4	2.88e-2 gr/dscf 7%O2	1.61e-1 lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA

2. STATE: NJ

3. CITY: BAYONNE

EPA ID: NJD001707944

REGION: 2

4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/QT

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4-Methyl-2-pentanone	725C1R1	ND 1.15e+3 ng/dscm 7%O2	3.00e-6 lbs/hr	CE7%O2
4-Methyl-2-pentanone	725C1R2	ND 1.77e+3 ng/dscm 7%O2	4.60e-6 lbs/hr	CE7%O2
4-Methyl-2-pentanone	725C1R3	ND 2.21e+3 ng/dscm 7%O2	5.50e-6 lbs/hr	CE7%O2
4-Methyl-2-pentanone	725C2R1	ND 7.20e+2 ng/dscm 7%O2	2.17e-6 lbs/hr	CE7%O2
4-Methyl-2-pentanone	725C2R2	ND 7.68e+2 ng/dscm 7%O2	2.53e-6 lbs/hr	CE7%O2
4-Methyl-2-pentanone	725C2R3	ND 8.25e+2 ng/dscm 7%O2	2.84e-6 lbs/hr	CE7%O2
Ethylbenzene	725C1R1	ND 8.97e+2 ng/dscm 7%O2	2.34e-6 lbs/hr	CE7%O2
Ethylbenzene	725C1R2	ND 6.75e+2 ng/dscm 7%O2	1.76e-6 lbs/hr	CE7%O2
Ethylbenzene	725C1R3	ND 8.69e+2 ng/dscm 7%O2	2.16e-6 lbs/hr	CE7%O2
Ethylbenzene	725C2R1	ND 8.69e+2 ng/dscm 7%O2	2.62e-6 lbs/hr	CE7%O2
Ethylbenzene	725C2R2	ND 8.48e+2 ng/dscm 7%O2	2.80e-6 lbs/hr	CE7%O2
Ethylbenzene	725C2R3	ND 9.23e+2 ng/dscm 7%O2	3.18e-6 lbs/hr	CE7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	725C1R1	ND 6.04e+0 ppmv 7%O2	1.83e-2 lbs/hr	CE7%O2
CO	725C1R2	ND 6.14e+0 ppmv 7%O2	1.86e-2 lbs/hr	CE7%O2
CO	725C1R3	ND 6.14e+0 ppmv 7%O2	1.77e-2 lbs/hr	CE7%O2
CO	725C1R4	ND 6.04e+0 ppmv 7%O2	1.72e-2 lbs/hr	CE7%O2
CO	725C1R5	ND 6.14e+0 ppmv 7%O2	1.64e-2 lbs/hr	CE7%O2
CO	725C1R6	ND 6.09e+0 ppmv 7%O2	1.60e-2 lbs/hr	CE7%O2
CO	725C1R7	ND 6.09e+0 ppmv 7%O2	1.66e-2 lbs/hr	CE7%O2
CO	725C2R1	2.17e+0 ppmv 7%O2	7.61e-3 lbs/hr	CE
CO	725C2R2	2.51e+0 ppmv 7%O2	9.61e-3 lbs/hr	CE
CO	725C2R3	1.03e+0 ppmv 7%O2	4.12e-3 lbs/hr	CE
THC	725C1R1	1.20e+0 ppmv 7%O2	5.72e-3 lbs/hr	CE7%O2
THC	725C1R2	1.93e+0 ppmv 7%O2	9.19e-3 lbs/hr	CE7%O2
THC	725C1R3	3.93e-1 ppmv 7%O2	1.78e-3 lbs/hr	CE7%O2
THC	725C2R1	3.60e+0 ppmv 7%O2	1.98e-2 lbs/hr	CE
THC	725C2R2	2.30e+0 ppmv 7%O2	1.38e-2 lbs/hr	CE
THC	725C2R3	6.50e-1 ppmv 7%O2	4.09e-3 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	725C1R1	ND 9.62e+2 ng/dscm 7%O2	2.51e-6 lbs/hr	CE7%O2
1,1,1-Trichloroethane	725C1R2	ND 1.05e+3 ng/dscm 7%O2	2.73e-6 lbs/hr	CE7%O2
1,1,1-Trichloroethane	725C1R3	ND 9.86e+2 ng/dscm 7%O2	2.45e-6 lbs/hr	CE7%O2
1,1,1-Trichloroethane	725C2R1	ND 1.00e+3 ng/dscm 7%O2	3.03e-6 lbs/hr	CE7%O2
1,1,1-Trichloroethane	725C2R2	ND 9.46e+2 ng/dscm 7%O2	3.12e-6 lbs/hr	CE7%O2
1,1,1-Trichloroethane	725C2R3	ND 1.05e+3 ng/dscm 7%O2	3.63e-6 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C1R1	ND 3.51e+2 ng/dscm 7%O2	9.16e-7 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C1R2	ND 6.14e+2 ng/dscm 7%O2	1.60e-6 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C1R3	ND 7.88e+2 ng/dscm 7%O2	1.96e-6 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C2R1	ND 5.96e+2 ng/dscm 7%O2	1.80e-6 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C2R2	ND 6.30e+2 ng/dscm 7%O2	2.08e-6 lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	725C2R3	ND 6.77e+2 ng/dscm 7%O2	2.33e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C1R1	ND 1.95e+3 ng/dscm 7%O2	5.10e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C1R2	ND 3.26e+3 ng/dscm 7%O2	8.50e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C1R3	ND 3.10e+3 ng/dscm 7%O2	7.70e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C2R1	ND 1.04e+3 ng/dscm 7%O2	3.13e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C2R2	ND 1.11e+3 ng/dscm 7%O2	3.65e-6 lbs/hr	CE7%O2
1,1,2-Trichloroethane	725C2R3	ND 1.23e+3 ng/dscm 7%O2	4.24e-6 lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R1	ND 2.87e+2 ng/dscm 7%O2	7.51e-7 lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R2	ND 5.34e+2 ng/dscm 7%O2	1.39e-6 lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R3	ND 7.26e+2 ng/dscm 7%O2	1.80e-6 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE
 4. EP ID: 725

DEVICE NAME: LV-3 INCINERATOR

EPA ID: NJD001707944
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/QT

REGION: 2

1,1-Dichloroethane	725C2R1	ND	6.40e+2	ng/dscm	7%O2	1.93e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C2R2	ND	6.74e+2	ng/dscm	7%O2	2.22e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C2R3	ND	7.21e+2	ng/dscm	7%O2	2.48e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R1	ND	7.67e+2	ng/dscm	7%O2	2.00e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R2	ND	1.51e+3	ng/dscm	7%O2	3.94e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C1R3	ND	2.08e+3	ng/dscm	7%O2	5.16e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C2R1	ND	1.37e+3	ng/dscm	7%O2	4.12e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C2R2	ND	1.28e+3	ng/dscm	7%O2	4.23e-6	lbs/hr	CE7%O2
1,1-Dichloroethane	725C2R3	ND	1.38e+3	ng/dscm	7%O2	4.77e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C1R1	ND	4.95e+2	ng/dscm	7%O2	1.29e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C1R2	ND	1.04e+3	ng/dscm	7%O2	2.72e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C1R3	ND	1.45e+3	ng/dscm	7%O2	3.60e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C2R1	ND	8.82e+2	ng/dscm	7%O2	2.66e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C2R2	ND	9.33e+2	ng/dscm	7%O2	3.08e-6	lbs/hr	CE7%O2
1,2-Dichloroethane	725C2R3	ND	9.99e+2	ng/dscm	7%O2	3.44e-6	lbs/hr	CE7%O2
1,2-Dichloropropane	725C1R1		9.22e+3	ng/dscm	7%O2	2.41e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	725C1R2	2	4.36e+3	ng/dscm	7%O2	1.14e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	725C1R3	2	6.26e+3	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	725C2R1	ND	8.39e+2	ng/dscm	7%O2	2.53e-6	lbs/hr	CE7%O2
1,2-Dichloropropane	725C2R2	ND	8.98e+2	ng/dscm	7%O2	2.96e-6	lbs/hr	CE7%O2
1,2-Dichloropropane	725C2R3	ND	9.95e+2	ng/dscm	7%O2	3.43e-6	lbs/hr	CE7%O2
2-Hexanone	725C1R1	ND	1.39e+3	ng/dscm	7%O2	3.64e-6	lbs/hr	CE7%O2
2-Hexanone	725C1R2	ND	2.48e+3	ng/dscm	7%O2	6.47e-6	lbs/hr	CE7%O2
2-Hexanone	725C1R3	ND	3.18e+3	ng/dscm	7%O2	7.91e-6	lbs/hr	CE7%O2
2-Hexanone	725C2R1	ND	1.00e+3	ng/dscm	7%O2	3.03e-6	lbs/hr	CE7%O2
2-Hexanone	725C2R2	ND	1.07e+3	ng/dscm	7%O2	3.54e-6	lbs/hr	CE7%O2
2-Hexanone	725C2R3	ND	1.15e+3	ng/dscm	7%O2	3.96e-6	lbs/hr	CE7%O2
Acetone	725C1R1		6.98e+5	ng/dscm	7%O2	1.82e-3	lbs/hr	CE7%O2
Acetone	725C1R2		6.24e+5	ng/dscm	7%O2	1.63e-3	lbs/hr	CE7%O2
Acetone	725C1R3		1.10e+6	ng/dscm	7%O2	2.73e-3	lbs/hr	CE7%O2
Acetone	725C2R1	ND	5.98e+4	ng/dscm	7%O2	1.81e-4	lbs/hr	CE7%O2
Acetone	725C2R2	ND	5.83e+4	ng/dscm	7%O2	1.92e-4	lbs/hr	CE7%O2
Acetone	725C2R3	ND	9.24e+4	ng/dscm	7%O2	3.18e-4	lbs/hr	CE7%O2
Benzene	725C1R1	2	7.46e+4	ng/dscm	7%O2	1.95e-4	lbs/hr	CE7%O2
Benzene	725C1R2	2	6.23e+4	ng/dscm	7%O2	1.62e-4	lbs/hr	CE7%O2
Benzene	725C1R3	2	4.04e+4	ng/dscm	7%O2	1.00e-4	lbs/hr	CE7%O2
Benzene	725C2R1	ND	4.83e+3	ng/dscm	7%O2	1.46e-5	lbs/hr	CE7%O2
Benzene	725C2R2	ND	3.02e+3	ng/dscm	7%O2	9.95e-6	lbs/hr	CE7%O2
Benzene	725C2R3	ND	2.11e+3	ng/dscm	7%O2	7.28e-6	lbs/hr	CE7%O2
Bromodichloromethane	725C1R1		1.84e+6	ng/dscm	7%O2	4.82e-3	lbs/hr	CE7%O2
Bromodichloromethane	725C1R2		1.06e+5	ng/dscm	7%O2	2.77e-4	lbs/hr	CE7%O2
Bromodichloromethane	725C1R3		1.31e+5	ng/dscm	7%O2	3.26e-4	lbs/hr	CE7%O2
Bromodichloromethane	725C2R1	2	3.74e+5	ng/dscm	7%O2	1.13e-3	lbs/hr	CE7%O2
Bromodichloromethane	725C2R2	ND	3.76e+5	ng/dscm	7%O2	1.24e-3	lbs/hr	CE7%O2
Bromodichloromethane	725C2R3	ND	3.80e+5	ng/dscm	7%O2	1.31e-3	lbs/hr	CE7%O2
Bromoform	725C1R1	ND	8.35e+2	ng/dscm	7%O2	2.18e-6	lbs/hr	CE7%O2
Bromoform	725C1R2	ND	1.40e+3	ng/dscm	7%O2	3.66e-6	lbs/hr	CE7%O2
Bromoform	725C1R3	ND	1.33e+3	ng/dscm	7%O2	3.29e-6	lbs/hr	CE7%O2
Bromoform	725C2R1	ND	6.14e+5	ng/dscm	7%O2	1.85e-3	lbs/hr	CE7%O2
Bromoform	725C2R2	ND	6.12e+5	ng/dscm	7%O2	2.02e-3	lbs/hr	CE7%O2
Bromoform	725C2R3	ND	6.92e+5	ng/dscm	7%O2	2.38e-3	lbs/hr	CE7%O2
Bromomethane	725C1R1	ND	9.84e+2	ng/dscm	7%O2	2.57e-6	lbs/hr	CE7%O2
Bromomethane	725C1R2	ND	1.77e+3	ng/dscm	7%O2	4.60e-6	lbs/hr	CE7%O2
Bromomethane	725C1R3	ND	2.37e+3	ng/dscm	7%O2	5.87e-6	lbs/hr	CE7%O2
Bromomethane	725C2R1	ND	1.97e+3	ng/dscm	7%O2	5.95e-6	lbs/hr	CE7%O2
Bromomethane	725C2R2	ND	5.74e+3	ng/dscm	7%O2	1.89e-5	lbs/hr	CE7%O2
Bromomethane	725C2R3	ND	6.51e+2	ng/dscm	7%O2	2.24e-6	lbs/hr	CE7%O2
Carbon disulfide	725C1R1	2	2.11e+3	ng/dscm	7%O2	5.51e-6	lbs/hr	CE7%O2
Carbon disulfide	725C1R2	2	1.77e+3	ng/dscm	7%O2	4.61e-6	lbs/hr	CE7%O2
Carbon disulfide	725C1R3	ND	1.33e+3	ng/dscm	7%O2	3.31e-6	lbs/hr	CE7%O2
Carbon disulfide	725C2R1	ND	6.45e+2	ng/dscm	7%O2	1.95e-6	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA

2. STATE: NJ

3. CITY: BAYONNE

EPA NJD001707944

REGION: 2

4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/QT

Carbon disulfide	725C2R2	ND	7.60e+2	ng/dscm	7%O2	2.51e-6	lbs/hr	CE7%O2
Carbon disulfide	725C2R3	ND	8.25e+2	ng/dscm	7%O2	2.84e-6	lbs/hr	CE7%O2
Carbon Tetrachloride	725C1R1		1.13e+5	ng/dscm	7%O2	2.96e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	725C1R2		1.29e+5	ng/dscm	7%O2	3.35e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	725C1R3		1.43e+5	ng/dscm	7%O2	3.54e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	725C2R1	ND	1.34e+5	ng/dscm	7%O2	4.05e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	725C2R2	ND	1.42e+5	ng/dscm	7%O2	4.68e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	725C2R3	ND	1.46e+5	ng/dscm	7%O2	5.02e-4	lbs/hr	CE7%O2
Chlorobenzene	725C1R1	ND	7.78e+2	ng/dscm	7%O2	2.03e-6	lbs/hr	CE7%O2
Chlorobenzene	725C1R2	ND	1.73e+3	ng/dscm	7%O2	4.52e-6	lbs/hr	CE7%O2
Chlorobenzene	725C1R3	ND	1.20e+3	ng/dscm	7%O2	2.99e-6	lbs/hr	CE7%O2
Chlorobenzene	725C2R1	ND	1.05e+4	ng/dscm	7%O2	3.18e-5	lbs/hr	CE7%O2
Chlorobenzene	725C2R2	ND	7.02e+3	ng/dscm	7%O2	2.31e-5	lbs/hr	CE7%O2
Chlorobenzene	725C2R3	ND	6.86e+3	ng/dscm	7%O2	2.36e-5	lbs/hr	CE7%O2
Chloroethane	725C1R1	ND	3.36e+3	ng/dscm	7%O2	8.78e-6	lbs/hr	CE7%O2
Chloroethane	725C1R2	ND	3.29e+3	ng/dscm	7%O2	8.57e-6	lbs/hr	CE7%O2
Chloroethane	725C1R3	ND	5.36e+3	ng/dscm	7%O2	1.33e-5	lbs/hr	CE7%O2
Chloroethane	725C2R1	ND	4.33e+3	ng/dscm	7%O2	1.31e-5	lbs/hr	CE7%O2
Chloroethane	725C2R2	ND	1.73e+3	ng/dscm	7%O2	5.71e-6	lbs/hr	CE7%O2
Chloroethane	725C2R3	ND	1.86e+3	ng/dscm	7%O2	6.41e-6	lbs/hr	CE7%O2
Chloroform	725C1R1	2	1.54e+6	ng/dscm	7%O2	4.03e-3	lbs/hr	CE7%O2
Chloroform	725C1R2	2	1.34e+6	ng/dscm	7%O2	3.49e-3	lbs/hr	CE7%O2
Chloroform	725C1R3		2.23e+6	ng/dscm	7%O2	5.52e-3	lbs/hr	CE7%O2
Chloroform	725C2R1	2	2.12e+5	ng/dscm	7%O2	6.40e-4	lbs/hr	CE7%O2
Chloroform	725C2R2	2	1.93e+5	ng/dscm	7%O2	6.35e-4	lbs/hr	CE7%O2
Chloroform	725C2R3	ND	9.97e+2	ng/dscm	7%O2	3.43e-6	lbs/hr	CE7%O2
Chloromethane	725C1R1		2.63e+6	ng/dscm	7%O2	6.87e-3	lbs/hr	CE7%O2
Chloromethane	725C1R2		2.73e+6	ng/dscm	7%O2	7.11e-3	lbs/hr	CE7%O2
Chloromethane	725C1R3		2.17e+6	ng/dscm	7%O2	5.38e-3	lbs/hr	CE7%O2
Chloromethane	725C2R1	ND	6.12e+4	ng/dscm	7%O2	1.85e-4	lbs/hr	CE7%O2
Chloromethane	725C2R2	ND	6.71e+4	ng/dscm	7%O2	2.21e-4	lbs/hr	CE7%O2
Chloromethane	725C2R3	ND	4.16e+4	ng/dscm	7%O2	1.43e-4	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C1R1	ND	6.31e+2	ng/dscm	7%O2	1.65e-6	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C1R2	ND	1.21e+3	ng/dscm	7%O2	3.16e-6	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C1R3	ND	1.64e+3	ng/dscm	7%O2	4.08e-6	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C2R1	ND	9.85e+2	ng/dscm	7%O2	2.97e-6	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C2R2	ND	1.04e+3	ng/dscm	7%O2	3.42e-6	lbs/hr	CE7%O2
cis-1,2-Dichloroethene	725C2R3	ND	1.12e+3	ng/dscm	7%O2	3.85e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C1R1	ND	6.61e+2	ng/dscm	7%O2	1.73e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C1R2	ND	1.18e+3	ng/dscm	7%O2	3.08e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C1R3	ND	1.15e+3	ng/dscm	7%O2	2.85e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C2R1	ND	7.34e+2	ng/dscm	7%O2	2.22e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C2R2	ND	7.82e+2	ng/dscm	7%O2	2.58e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	725C2R3	ND	8.66e+2	ng/dscm	7%O2	2.98e-6	lbs/hr	CE7%O2
Dibromochloromethane	725C1R1	ND	1.07e+4	ng/dscm	7%O2	2.80e-5	lbs/hr	CE7%O2
Dibromochloromethane	725C1R2	ND	6.49e+3	ng/dscm	7%O2	1.69e-5	lbs/hr	CE7%O2
Dibromochloromethane	725C1R3	ND	5.34e+3	ng/dscm	7%O2	1.33e-5	lbs/hr	CE7%O2
Dibromochloromethane	725C2R1	ND	6.09e+5	ng/dscm	7%O2	1.84e-3	lbs/hr	CE7%O2
Dibromochloromethane	725C2R2	ND	6.19e+5	ng/dscm	7%O2	2.04e-3	lbs/hr	CE7%O2
Dibromochloromethane	725C2R3	ND	6.52e+5	ng/dscm	7%O2	2.24e-3	lbs/hr	CE7%O2
m,p-Xylene	725C1R1	2	6.69e+3	ng/dscm	7%O2	1.75e-5	lbs/hr	CE7%O2
m,p-Xylene	725C1R2	ND	3.01e+3	ng/dscm	7%O2	7.84e-6	lbs/hr	CE7%O2
m,p-Xylene	725C1R3	ND	2.88e+3	ng/dscm	7%O2	7.15e-6	lbs/hr	CE7%O2
m,p-Xylene	725C2R1	ND	1.14e+3	ng/dscm	7%O2	3.45e-6	lbs/hr	CE7%O2
m,p-Xylene	725C2R2	ND	8.93e+2	ng/dscm	7%O2	2.95e-6	lbs/hr	CE7%O2
m,p-Xylene	725C2R3	ND	1.01e+3	ng/dscm	7%O2	3.49e-6	lbs/hr	CE7%O2
Methyl Ethyl Ketone	725C1R1		1.74e+4	ng/dscm	7%O2	4.55e-5	lbs/hr	CE7%O2
Methyl Ethyl Ketone	725C1R2	ND	3.09e+4	ng/dscm	7%O2	8.07e-5	lbs/hr	CE7%O2
Methyl Ethyl Ketone	725C1R3	ND	1.38e+4	ng/dscm	7%O2	3.43e-5	lbs/hr	CE7%O2
Methyl Ethyl Ketone	725C2R1	ND	8.57e+3	ng/dscm	7%O2	2.59e-5	lbs/hr	CE7%O2
Methyl Ethyl Ketone	725C2R2	ND	8.48e+3	ng/dscm	7%O2	2.80e-5	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE
 4. EP ID: 725

DEVICE NAME: LV-3 INCINERATOR

EPA ID: NJD001707944
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/QT

REGION: 2

Methyl Ethyl Ketone	725C2R3	ND	9.89e+3	ng/dscm	7%O2	3.40e-5	lbs/hr	CE7%O2
Methylene Chloride	725C1R1	2	4.42e+6	ng/dscm	7%O2	1.16e-2	lbs/hr	CE7%O2
Methylene Chloride	725C1R2	2	6.57e+6	ng/dscm	7%O2	1.71e-2	lbs/hr	CE7%O2
Methylene Chloride	725C1R3		7.05e+6	ng/dscm	7%O2	1.75e-2	lbs/hr	CE7%O2
Methylene Chloride	725C2R1	2	1.49e+4	ng/dscm	7%O2	4.48e-5	lbs/hr	CE7%O2
Methylene Chloride	725C2R2	2	1.54e+4	ng/dscm	7%O2	5.08e-5	lbs/hr	CE7%O2
Methylene Chloride	725C2R3	2	2.83e+4	ng/dscm	7%O2	9.73e-5	lbs/hr	CE7%O2
o-Xylene	725C1R1	ND	8.54e+2	ng/dscm	7%O2	2.23e-6	lbs/hr	CE7%O2
o-Xylene	725C1R2	ND	1.07e+3	ng/dscm	7%O2	2.79e-6	lbs/hr	CE7%O2
o-Xylene	725C1R3	ND	1.38e+3	ng/dscm	7%O2	3.42e-6	lbs/hr	CE7%O2
o-Xylene	725C2R1	ND	5.79e+3	ng/dscm	7%O2	1.75e-5	lbs/hr	CE7%O2
o-Xylene	725C2R2	ND	1.50e+3	ng/dscm	7%O2	4.94e-6	lbs/hr	CE7%O2
o-Xylene	725C2R3	ND	1.26e+3	ng/dscm	7%O2	4.35e-6	lbs/hr	CE7%O2
Styrene	725C1R1	ND	2.19e+2	ng/dscm	7%O2	5.72e-7	lbs/hr	CE7%O2
Styrene	725C1R2	ND	3.66e+2	ng/dscm	7%O2	9.53e-7	lbs/hr	CE7%O2
Styrene	725C1R3	ND	4.77e+2	ng/dscm	7%O2	1.18e-6	lbs/hr	CE7%O2
Styrene	725C2R1	ND	4.60e+2	ng/dscm	7%O2	1.39e-6	lbs/hr	CE7%O2
Styrene	725C2R2	ND	4.82e+2	ng/dscm	7%O2	1.59e-6	lbs/hr	CE7%O2
Styrene	725C2R3	ND	5.15e+2	ng/dscm	7%O2	1.77e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C1R1	2	2.35e+3	ng/dscm	7%O2	6.14e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C1R2	ND	1.28e+3	ng/dscm	7%O2	3.33e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C1R3	ND	1.16e+3	ng/dscm	7%O2	2.87e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C2R1	ND	2.46e+3	ng/dscm	7%O2	7.41e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C2R2	ND	2.08e+3	ng/dscm	7%O2	6.84e-6	lbs/hr	CE7%O2
Tetrachloroethene	725C2R3	ND	2.00e+3	ng/dscm	7%O2	6.88e-6	lbs/hr	CE7%O2
Toluene	725C1R1	2	1.75e+6	ng/dscm	7%O2	4.57e-3	lbs/hr	CE7%O2
Toluene	725C1R2	2	8.11e+5	ng/dscm	7%O2	2.11e-3	lbs/hr	CE7%O2
Toluene	725C1R3	2	6.98e+5	ng/dscm	7%O2	1.73e-3	lbs/hr	CE7%O2
Toluene	725C2R1	2	4.45e+4	ng/dscm	7%O2	1.34e-4	lbs/hr	CE7%O2
Toluene	725C2R2	2	5.08e+4	ng/dscm	7%O2	1.68e-4	lbs/hr	CE7%O2
Toluene	725C2R3	2	1.05e+5	ng/dscm	7%O2	3.62e-4	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C1R1	ND	6.10e+2	ng/dscm	7%O2	1.60e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C1R2	ND	1.14e+3	ng/dscm	7%O2	2.98e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C1R3	ND	1.55e+3	ng/dscm	7%O2	3.85e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C2R1	ND	1.08e+3	ng/dscm	7%O2	3.26e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C2R2	ND	1.14e+3	ng/dscm	7%O2	3.77e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	725C2R3	ND	1.23e+3	ng/dscm	7%O2	4.23e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C1R1	ND	1.78e+3	ng/dscm	7%O2	4.64e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C1R2	ND	3.69e+3	ng/dscm	7%O2	9.62e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C1R3	ND	3.76e+3	ng/dscm	7%O2	9.34e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C2R1	ND	7.92e+2	ng/dscm	7%O2	2.39e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C2R2	ND	8.50e+2	ng/dscm	7%O2	2.80e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	725C2R3	ND	9.45e+2	ng/dscm	7%O2	3.26e-6	lbs/hr	CE7%O2
Trichloroethene	725C1R1	2	7.56e+3	ng/dscm	7%O2	1.98e-5	lbs/hr	CE7%O2
Trichloroethene	725C1R2	2	1.90e+3	ng/dscm	7%O2	4.96e-6	lbs/hr	CE7%O2
Trichloroethene	725C1R3	2	1.68e+3	ng/dscm	7%O2	4.17e-6	lbs/hr	CE7%O2
Trichloroethene	725C2R1	ND	1.72e+3	ng/dscm	7%O2	5.21e-6	lbs/hr	CE7%O2
Trichloroethene	725C2R2	ND	1.16e+3	ng/dscm	7%O2	3.84e-6	lbs/hr	CE7%O2
Trichloroethene	725C2R3	ND	1.26e+3	ng/dscm	7%O2	4.33e-6	lbs/hr	CE7%O2
Trichlorofluoromethane	725C2R1	ND	1.09e+4	ng/dscm	7%O2	3.30e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	725C2R2	ND	9.55e+3	ng/dscm	7%O2	3.15e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	725C2R3	ND	1.51e+4	ng/dscm	7%O2	5.20e-5	lbs/hr	CE7%O2
Vinyl Acetate	725C1R1	ND	9.86e+2	ng/dscm	7%O2	2.58e-6	lbs/hr	CE7%O2
Vinyl Acetate	725C1R2	ND	1.52e+3	ng/dscm	7%O2	3.98e-6	lbs/hr	CE7%O2
Vinyl Acetate	725C1R3	ND	1.40e+3	ng/dscm	7%O2	3.48e-6	lbs/hr	CE7%O2
Vinyl Acetate	725C2R1	ND	4.95e+2	ng/dscm	7%O2	1.49e-6	lbs/hr	CE7%O2
Vinyl Acetate	725C2R2	ND	5.28e+2	ng/dscm	7%O2	1.74e-6	lbs/hr	CE7%O2
Vinyl Acetate	725C2R3	ND	5.81e+2	ng/dscm	7%O2	2.00e-6	lbs/hr	CE7%O2
Vinyl Chloride	725C1R1	ND	7.72e+2	ng/dscm	7%O2	2.02e-6	lbs/hr	CE7%O2
Vinyl Chloride	725C1R2	ND	1.50e+3	ng/dscm	7%O2	3.91e-6	lbs/hr	CE7%O2
Vinyl Chloride	725C1R3	ND	2.05e+3	ng/dscm	7%O2	5.09e-6	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE EPA NJD001707944 REGION: 2
 4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/QT

Vinyl Chloride	725C2R1	ND	9.94e+2	ng/dscm	7%O2	3.00e-6	lbs/hr	CE7%O2
Vinyl Chloride	725C2R2	ND	1.05e+3	ng/dscm	7%O2	3.46e-6	lbs/hr	CE7%O2
Vinyl Chloride	725C2R3	ND	1.13e+3	ng/dscm	7%O2	3.88e-6	lbs/hr	CE7%O2

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M
 2. STATE: MN
 3. CITY: COTTAGE GROVE EPA ID: MND006172969 REGION: 5
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

5. Type: SPIKE
 6. Description: CONTAINERIZED,ORGANICS (MEK)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID
 7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Methyl Ethyl Ketone	334C2R1	9.95e+5 ug/g	3.91e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R2	9.95e+5 ug/g	4.03e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R3	9.95e+5 ug/g	3.91e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R4	9.94e+5 ug/g	3.29e+2 lbs/hr	CC

6. Description: CONTAINERIZED,ORGANICS (TCE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	334C2R1	7.66e+5 ug/g	3.30e+2 lbs/hr	CC
Chlorine	334C2R2	7.56e+5 ug/g	3.41e+2 lbs/hr	CC
Chlorine	334C2R3	7.59e+5 ug/g	3.27e+2 lbs/hr	CC
Chlorine	334C2R4	7.59e+5 ug/g	2.96e+2 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	334C2R1	9.51e+5 ug/g	4.10e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R2	9.50e+5 ug/g	4.29e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R3	9.51e+5 ug/g	4.10e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R4	9.51e+5 ug/g	3.71e+2 lbs/hr	CC

6. Description: CONTAINERIZED,ORGANICS (NAPHTHALENE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID
 7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Naphthalene	334C2R1	1.00e+6 ug/g	4.02e+2 lbs/hr	CC
Naphthalene	334C2R2	1.00e+6 ug/g	4.02e+2 lbs/hr	CC
Naphthalene	334C2R3	1.00e+6 ug/g	4.02e+2 lbs/hr	CC
Naphthalene	334C2R4	9.96e+5 ug/g	3.47e+2 lbs/hr	CC

6. Description: SEMISOLIDS,ORGANICS (NAPHTHALENE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE
 7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Naphthalene	334C1R1	1.00e+6 ug/g	3.29e+2 lbs/hr	CC
Naphthalene	334C1R2	9.99e+5 ug/g	2.74e+2 lbs/hr	CC
Naphthalene	334C1R3	1.00e+6 ug/g	3.29e+2 lbs/hr	CC
Naphthalene	334C1R4	9.89e+5 ug/g	3.25e+2 lbs/hr	CC

6. Description: BULK,ORGANICS (NAPHTHALENE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID
 7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Naphthalene	334C1R1	9.99e+5 ug/g	1.37e+2 lbs/hr	CC
Naphthalene	334C1R2	9.95e+5 ug/g	1.27e+2 lbs/hr	CC
Naphthalene	334C1R3	1.00e+6 ug/g	1.28e+2 lbs/hr	CC
Naphthalene	334C1R4	9.48e+5 ug/g	1.13e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M
 2. STATE: MN
 3. CITY: COTTAGE GROVE
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 REGION: 5
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

5. Type: WASTE

6. Description: ORGANIC
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	334C1R1	4.06e+3 ug/g	2.00e+0 lbs/hr	CC
Chlorine	334C1R2	4.15e+3 ug/g	1.60e+0 lbs/hr	CC
Chlorine	334C1R3	4.61e+3 ug/g	3.30e+0 lbs/hr	CC
Chlorine	334C1R4	3.99e+3 ug/g	2.30e+0 lbs/hr	CC
Chlorine	334C2R1	3.27e+3 ug/g	2.20e+0 lbs/hr	CC
Chlorine	334C2R2	5.94e+3 ug/g	3.50e+0 lbs/hr	CC
Chlorine	334C2R3	6.87e+3 ug/g	4.60e+0 lbs/hr	CC
Chlorine	334C2R4	5.87e+3 ug/g	7.40e+0 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Methyl Ethyl Ketone	334C1R1	6.65e+5 ug/g	3.28e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R2	6.64e+5 ug/g	2.56e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R3	4.67e+5 ug/g	3.34e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R4	5.99e+5 ug/g	3.45e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R1	6.48e+5 ug/g	4.36e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R2	3.73e+5 ug/g	2.20e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R3	3.91e+5 ug/g	2.62e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R4	3.13e+5 ug/g	3.95e+2 lbs/hr	CC

6. Description: CHLORINATED
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	334C1R1	1.72e+5 ug/g	2.91e+2 lbs/hr	CC
Chlorine	334C1R2	1.43e+5 ug/g	2.34e+2 lbs/hr	CC
Chlorine	334C1R3	1.38e+5 ug/g	2.25e+2 lbs/hr	CC
Chlorine	334C1R4	1.44e+5 ug/g	2.52e+2 lbs/hr	CC
Chlorine	334C2R1	2.05e+5 ug/g	3.13e+2 lbs/hr	CC
Chlorine	334C2R2	2.07e+5 ug/g	3.80e+2 lbs/hr	CC
Chlorine	334C2R3	2.12e+5 ug/g	2.52e+2 lbs/hr	CC
Chlorine	334C2R4	2.03e+5 ug/g	3.22e+2 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	334C1R1	1.69e+5 ug/g	2.86e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C1R2	1.52e+5 ug/g	2.49e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C1R3	1.59e+5 ug/g	2.59e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C1R4	1.51e+5 ug/g	2.66e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R1	2.39e+5 ug/g	3.65e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R2	2.32e+5 ug/g	4.27e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R3	1.93e+5 ug/g	2.29e+2 lbs/hr	CC
1,1,1-Trichloroethane	334C2R4	2.48e+5 ug/g	3.94e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R1	3.53e+5 ug/g	5.96e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R2	4.66e+5 ug/g	7.62e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R3	4.84e+5 ug/g	7.88e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R4	4.66e+5 ug/g	8.18e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R1	3.98e+5 ug/g	6.07e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R2	3.82e+5 ug/g	7.03e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R3	3.33e+5 ug/g	3.95e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C2R4	4.21e+5 ug/g	6.68e+2 lbs/hr	CC

6. Description: ORGANIC
 Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M
 2. STATE: MN
 3. CITY: COTTAGE GROVE
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 REGION: 5
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	334C1R1	2.89e+3	ug/g	8.70e-1 lbs/hr	CC
Chlorine	334C1R2	2.85e+3	ug/g	1.40e+0 lbs/hr	CC
Chlorine	334C1R3	2.92e+3	ug/g	6.80e-1 lbs/hr	CC
Chlorine	334C1R4	3.22e+3	ug/g	6.50e-1 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Methyl Ethyl Ketone	334C1R1	5.50e+5	ug/g	1.66e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R2	5.11e+5	ug/g	2.51e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R3	5.31e+5	ug/g	1.24e+2 lbs/hr	CC
Methyl Ethyl Ketone	334C1R4	5.31e+5	ug/g	1.07e+2 lbs/hr	CC

6. Description: AQUEOUS, SPIKED METALS (CD,CR,HG,PB)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	334C1R1	2.36e+6	ug/g	6.50e+0 lbs/hr	CC
Chlorine	334C1R2	1.58e+7	ug/g	7.50e+0 lbs/hr	CC
Chlorine	334C1R3	4.57e+3	ug/g	5.90e+0 lbs/hr	CC
Chlorine	334C1R4	5.63e+3	ug/g	8.00e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	334C1R1	ND	1.81e+3 ug/g	5.00e-3 lbs/hr	CC
Antimony	334C1R2	ND	1.26e+4 ug/g	6.00e-3 lbs/hr	CC
Antimony	334C1R3	ND	3.10e+0 ug/g	4.00e-3 lbs/hr	CC
Antimony	334C1R4	ND	2.82e+0 ug/g	4.00e-3 lbs/hr	CC
Arsenic	334C1R1	ND	7.25e+1 ug/g	2.00e-4 lbs/hr	CC
Arsenic	334C1R2	ND	4.21e+2 ug/g	2.00e-4 lbs/hr	CC
Arsenic	334C1R3	ND	7.75e-2 ug/g	1.00e-4 lbs/hr	CC
Arsenic	334C1R4	ND	7.04e-2 ug/g	1.00e-4 lbs/hr	CC
Barium	334C1R1		7.25e+3 ug/g	2.00e-2 lbs/hr	CC
Barium	334C1R2		1.09e+5 ug/g	5.18e-2 lbs/hr	CC
Barium	334C1R3		2.66e+1 ug/g	3.43e-2 lbs/hr	CC
Barium	334C1R4		2.60e+1 ug/g	3.69e-2 lbs/hr	CC
Beryllium	334C1R1	ND	7.25e+1 ug/g	2.00e-4 lbs/hr	CC
Beryllium	334C1R2	ND	4.21e+2 ug/g	2.00e-4 lbs/hr	CC
Beryllium	334C1R3	ND	7.75e-2 ug/g	1.00e-4 lbs/hr	CC
Beryllium	334C1R4	ND	7.04e-2 ug/g	1.00e-4 lbs/hr	CC
Cadmium	334C1R1		1.54e+5 ug/g	4.24e-1 lbs/hr	CC
Cadmium	334C1R2		9.73e+5 ug/g	4.62e-1 lbs/hr	CC
Cadmium	334C1R3		2.45e+2 ug/g	3.16e-1 lbs/hr	CC
Cadmium	334C1R4		2.41e+2 ug/g	3.42e-1 lbs/hr	CC
Chromium	334C1R1		6.30e+4 ug/g	1.74e-1 lbs/hr	CC
Chromium	334C1R2		6.86e+5 ug/g	3.26e-1 lbs/hr	CC
Chromium	334C1R3		1.72e+2 ug/g	2.22e-1 lbs/hr	CC
Chromium	334C1R4		1.82e+2 ug/g	2.58e-1 lbs/hr	CC
Lead	334C1R1		8.51e+4 ug/g	2.35e-1 lbs/hr	CC
Lead	334C1R2		1.00e+6 ug/g	4.75e-1 lbs/hr	CC
Lead	334C1R3		2.75e+2 ug/g	3.55e-1 lbs/hr	CC
Lead	334C1R4		2.85e+2 ug/g	4.05e-1 lbs/hr	CC
Mercury	334C1R1		3.70e+3 ug/g	1.02e-2 lbs/hr	CC
Mercury	334C1R2		5.16e+4 ug/g	2.45e-2 lbs/hr	CC
Mercury	334C1R3		1.01e+1 ug/g	1.30e-2 lbs/hr	CC
Mercury	334C1R4		1.06e+1 ug/g	1.51e-2 lbs/hr	CC
Silver	334C1R1	ND	1.09e+2 ug/g	3.00e-4 lbs/hr	CC
Silver	334C1R2	ND	1.26e+3 ug/g	6.00e-4 lbs/hr	CC
Silver	334C1R3	ND	2.33e-1 ug/g	3.00e-4 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M
 2. STATE: MN
 3. CITY: COTTAGE GROVE
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN
 EPA ID: MND006172969
 SYSTEM TYPE: ONSITE INCINERATOR
 APC SYSTEM: WS/ESP/PT
 REGION: 5

Silver	334C1R4	ND	2.11e-1	ug/g	3.00e-4	lbs/hr	CC
Thallium	334C1R1	ND	3.62e+3	ug/g	1.00e-2	lbs/hr	CC
Thallium	334C1R2	ND	2.11e+4	ug/g	1.00e-2	lbs/hr	CC
Thallium	334C1R3	ND	6.20e+0	ug/g	8.00e-3	lbs/hr	CC
Thallium	334C1R4	ND	4.93e+0	ug/g	7.00e-3	lbs/hr	CC

6. Description: BULK SOLIDS
 Group: ROTARY KILN
 Location: PRIMARY CHAMBER
 Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	334C1R1	2.61e+2	ug/g	4.40e+0	lbs/hr	CC
Chlorine	334C1R2	7.27e+1	ug/g	1.20e+0	lbs/hr	CC
Chlorine	334C1R3	1.23e+3	ug/g	1.30e+1	lbs/hr	CC
Chlorine	334C1R4	7.77e+1	ug/g	8.80e-1	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Antimony	334C1R1	4.98e+1	ug/g	8.40e-1	lbs/hr	CC	
Antimony	334C1R2	3.03e+1	ug/g	5.00e-1	lbs/hr	CC	
Antimony	334C1R3	ND	1.99e+1	ug/g	2.10e-1	lbs/hr	CC
Antimony	334C1R4	ND	1.77e+1	ug/g	2.00e-1	lbs/hr	CC
Arsenic	334C1R1	3.25e+0	ug/g	5.48e-2	lbs/hr	CC	
Arsenic	334C1R2	2.12e+0	ug/g	3.50e-2	lbs/hr	CC	
Arsenic	334C1R3	1.71e+0	ug/g	1.81e-2	lbs/hr	CC	
Arsenic	334C1R4	1.72e+0	ug/g	1.95e-2	lbs/hr	CC	
Barium	334C1R1	1.63e+3	ug/g	2.75e+1	lbs/hr	CC	
Barium	334C1R2	1.21e+3	ug/g	2.00e+1	lbs/hr	CC	
Barium	334C1R3	1.12e+3	ug/g	1.18e+1	lbs/hr	CC	
Barium	334C1R4	1.09e+3	ug/g	1.23e+1	lbs/hr	CC	
Beryllium	334C1R1	ND	4.74e-1	ug/g	8.00e-3	lbs/hr	CC
Beryllium	334C1R2	ND	4.85e-1	ug/g	8.00e-3	lbs/hr	CC
Beryllium	334C1R3	ND	2.84e-1	ug/g	3.00e-3	lbs/hr	CC
Beryllium	334C1R4	ND	2.65e-1	ug/g	3.00e-3	lbs/hr	CC
Cadmium	334C1R1	2.43e+1	ug/g	4.10e-1	lbs/hr	CC	
Cadmium	334C1R2	1.21e+1	ug/g	2.00e-1	lbs/hr	CC	
Cadmium	334C1R3	9.46e+0	ug/g	1.00e-1	lbs/hr	CC	
Cadmium	334C1R4	7.95e+0	ug/g	9.00e-2	lbs/hr	CC	
Chromium	334C1R1	1.37e+2	ug/g	2.31e+0	lbs/hr	CC	
Chromium	334C1R2	3.88e+1	ug/g	6.40e-1	lbs/hr	CC	
Chromium	334C1R3	2.46e+1	ug/g	2.60e-1	lbs/hr	CC	
Chromium	334C1R4	2.21e+1	ug/g	2.50e-1	lbs/hr	CC	
Lead	334C1R1	1.05e+3	ug/g	1.77e+1	lbs/hr	CC	
Lead	334C1R2	5.21e+2	ug/g	8.60e+0	lbs/hr	CC	
Lead	334C1R3	2.84e+2	ug/g	3.00e+0	lbs/hr	CC	
Lead	334C1R4	2.02e+2	ug/g	2.29e+0	lbs/hr	CC	
Mercury	334C1R1	3.08e-1	ug/g	5.20e-3	lbs/hr	CC	
Mercury	334C1R2	2.48e-1	ug/g	4.10e-3	lbs/hr	CC	
Mercury	334C1R3	8.51e-1	ug/g	9.00e-3	lbs/hr	CC	
Mercury	334C1R4	6.54e-1	ug/g	7.40e-3	lbs/hr	CC	
Silver	334C1R1	2.15e+2	ug/g	3.63e+0	lbs/hr	CC	
Silver	334C1R2	2.51e+2	ug/g	4.14e+0	lbs/hr	CC	
Silver	334C1R3	3.82e+2	ug/g	4.04e+0	lbs/hr	CC	
Silver	334C1R4	3.42e+2	ug/g	3.87e+0	lbs/hr	CC	
Thallium	334C1R1	ND	3.02e+1	ug/g	5.10e-1	lbs/hr	CC
Thallium	334C1R2	ND	3.03e+1	ug/g	5.00e-1	lbs/hr	CC
Thallium	334C1R3	ND	1.99e+1	ug/g	2.10e-1	lbs/hr	CC
Thallium	334C1R4	ND	1.77e+1	ug/g	2.00e-1	lbs/hr	CC

6. Description: SEMI-SOLID
 Group: ROTARY KILN
 Location: PRIMARY CHAMBER
 Phase: SLUDGE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M
 2. STATE: MN
 3. CITY: COTTAGE GROVE
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 REGION: 5
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	334C1R1	3.20e+4 ug/g	1.34e+2 lbs/hr	CC
Chlorine	334C1R2	2.09e+3 ug/g	8.50e+0 lbs/hr	CC
Chlorine	334C1R3	3.80e+3 ug/g	1.61e+1 lbs/hr	CC
Chlorine	334C1R4	2.80e+3 ug/g	1.10e+1 lbs/hr	CC

6. Description: CONTNRZED FLOOR DRY
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	334C2R1	ND 6.19e+0 ug/g	6.00e-3 lbs/hr	CC
Antimony	334C2R2	ND 5.96e+0 ug/g	6.00e-3 lbs/hr	CC
Antimony	334C2R3	ND 6.19e+0 ug/g	6.00e-3 lbs/hr	CC
Antimony	334C2R4	ND 5.95e+0 ug/g	5.00e-3 lbs/hr	CC
Arsenic	334C2R1	6.41e+1 ug/g	6.22e-2 lbs/hr	CC
Arsenic	334C2R2	3.10e+1 ug/g	3.12e-2 lbs/hr	CC
Arsenic	334C2R3	2.76e+1 ug/g	2.68e-2 lbs/hr	CC
Arsenic	334C2R4	2.12e+1 ug/g	1.78e-2 lbs/hr	CC
Barium	334C2R1	2.94e+2 ug/g	2.85e-1 lbs/hr	CC
Barium	334C2R2	2.49e+2 ug/g	2.50e-1 lbs/hr	CC
Barium	334C2R3	2.79e+2 ug/g	2.71e-1 lbs/hr	CC
Barium	334C2R4	2.37e+2 ug/g	1.99e-1 lbs/hr	CC
Beryllium	334C2R1	1.44e+0 ug/g	1.40e-3 lbs/hr	CC
Beryllium	334C2R2	1.59e+0 ug/g	1.60e-3 lbs/hr	CC
Beryllium	334C2R3	1.44e+0 ug/g	1.40e-3 lbs/hr	CC
Beryllium	334C2R4	1.43e+0 ug/g	1.20e-3 lbs/hr	CC
Cadmium	334C2R1	4.02e+0 ug/g	3.90e-3 lbs/hr	CC
Cadmium	334C2R2	4.97e+0 ug/g	5.00e-3 lbs/hr	CC
Cadmium	334C2R3	4.02e+0 ug/g	3.90e-3 lbs/hr	CC
Cadmium	334C2R4	4.76e+0 ug/g	4.00e-3 lbs/hr	CC
Chromium	334C2R1	7.51e+1 ug/g	7.28e-2 lbs/hr	CC
Chromium	334C2R2	7.32e+1 ug/g	7.36e-2 lbs/hr	CC
Chromium	334C2R3	7.59e+1 ug/g	7.36e-2 lbs/hr	CC
Chromium	334C2R4	6.98e+1 ug/g	5.87e-2 lbs/hr	CC
Lead	334C2R1	8.16e+0 ug/g	7.92e-3 lbs/hr	CC
Lead	334C2R2	7.83e+0 ug/g	7.88e-3 lbs/hr	CC
Lead	334C2R3	7.73e+0 ug/g	7.50e-3 lbs/hr	CC
Lead	334C2R4	8.12e+0 ug/g	6.83e-3 lbs/hr	CC
Mercury	334C2R1	6.29e-1 ug/g	6.10e-4 lbs/hr	CC
Mercury	334C2R2	4.97e-1 ug/g	5.00e-4 lbs/hr	CC
Mercury	334C2R3	5.46e-1 ug/g	5.30e-4 lbs/hr	CC
Mercury	334C2R4	ND 4.76e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	334C2R1	ND 4.12e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	334C2R2	ND 3.98e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	334C2R3	ND 4.12e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	334C2R4	4.76e-1 ug/g	4.00e-4 lbs/hr	CC
Thallium	334C2R1	2.37e+1 ug/g	2.30e-2 lbs/hr	CC
Thallium	334C2R2	2.88e+1 ug/g	2.90e-2 lbs/hr	CC
Thallium	334C2R3	2.37e+1 ug/g	2.30e-2 lbs/hr	CC
Thallium	334C2R4	2.73e+1 ug/g	2.30e-2 lbs/hr	CC

6. Description: CONTAINERIZED SAND
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	334C2R1	ND 1.79e+1 ug/g	1.00e-1 lbs/hr	CC
Antimony	334C2R2	ND 1.80e+1 ug/g	1.00e-1 lbs/hr	CC
Antimony	334C2R3	ND 2.03e+1 ug/g	1.00e-1 lbs/hr	CC
Antimony	334C2R4	ND 2.11e+1 ug/g	9.00e-2 lbs/hr	CC
Arsenic	334C2R1	1.26e+2 ug/g	7.05e-1 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: 3M

2. STATE: MN

3. CITY: COTTAGE GROVE

EPA ID: MND006172969

REGION: 5

4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/ESP/PT

Arsenic	334C2R2		1.27e+0	ug/g	7.04e-3	lbs/hr	CC
Arsenic	334C2R3		9.19e-1	ug/g	4.52e-3	lbs/hr	CC
Arsenic	334C2R4		1.47e+0	ug/g	6.26e-3	lbs/hr	CC
Barium	334C2R1		3.29e+1	ug/g	1.84e-1	lbs/hr	CC
Barium	334C2R2		5.40e+1	ug/g	2.99e-1	lbs/hr	CC
Barium	334C2R3		4.90e+1	ug/g	2.41e-1	lbs/hr	CC
Barium	334C2R4		3.68e+1	ug/g	1.57e-1	lbs/hr	CC
Beryllium	334C2R1	ND	5.36e-1	ug/g	3.00e-3	lbs/hr	CC
Beryllium	334C2R2	ND	5.41e-1	ug/g	3.00e-3	lbs/hr	CC
Beryllium	334C2R3	ND	4.07e-1	ug/g	2.00e-3	lbs/hr	CC
Beryllium	334C2R4	ND	4.69e-1	ug/g	2.00e-3	lbs/hr	CC
Cadmium	334C2R1	ND	1.79e+0	ug/g	1.00e-2	lbs/hr	CC
Cadmium	334C2R2		1.80e+0	ug/g	1.00e-2	lbs/hr	CC
Cadmium	334C2R3	ND	2.03e+0	ug/g	1.00e-2	lbs/hr	CC
Cadmium	334C2R4	ND	2.35e+0	ug/g	1.00e-2	lbs/hr	CC
Chromium	334C2R1	ND	8.94e+0	ug/g	5.00e-2	lbs/hr	CC
Chromium	334C2R2	ND	1.08e+1	ug/g	6.00e-2	lbs/hr	CC
Chromium	334C2R3	ND	1.02e+1	ug/g	5.00e-2	lbs/hr	CC
Chromium	334C2R4	ND	9.39e+0	ug/g	4.00e-2	lbs/hr	CC
Lead	334C2R1		3.31e+0	ug/g	1.85e-2	lbs/hr	CC
Lead	334C2R2		3.50e+0	ug/g	1.94e-2	lbs/hr	CC
Lead	334C2R3		3.19e+0	ug/g	1.57e-2	lbs/hr	CC
Lead	334C2R4		3.36e+0	ug/g	1.43e-2	lbs/hr	CC
Mercury	334C2R1		3.75e-1	ug/g	2.10e-3	lbs/hr	CC
Mercury	334C2R2	ND	3.97e-1	ug/g	2.20e-3	lbs/hr	CC
Mercury	334C2R3		4.07e-1	ug/g	2.00e-3	lbs/hr	CC
Mercury	334C2R4	ND	4.69e-1	ug/g	2.00e-3	lbs/hr	CC
Silver	334C2R1	ND	1.79e+0	ug/g	1.00e-2	lbs/hr	CC
Silver	334C2R2	ND	9.02e-1	ug/g	5.00e-3	lbs/hr	CC
Silver	334C2R3	ND	1.02e+0	ug/g	5.00e-3	lbs/hr	CC
Silver	334C2R4	ND	9.39e-1	ug/g	4.00e-3	lbs/hr	CC
Thallium	334C2R1	ND	3.57e+1	ug/g	2.00e-1	lbs/hr	CC
Thallium	334C2R2	ND	3.61e+1	ug/g	2.00e-1	lbs/hr	CC
Thallium	334C2R3	ND	2.03e+1	ug/g	1.00e-1	lbs/hr	CC
Thallium	334C2R4	ND	2.35e+1	ug/g	1.00e-1	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: ALLIED CORPORATION
 2. STATE: AL
 3. CITY: BIRMINGHAM
 4. EP ID: 324 DEVICE NAME:

EPA ID: ALD031499833
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: ?

REGION: 4

5. Type: WASTE

6. Description: BATCH A
 Group: BATCH

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	324C1	5.21e+3 ug/g	4.45e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	324C1	4.91e+1 ug/g	4.19e-2 lbs/hr	CC
Beryllium	324C1	1.66e-1 ug/g	1.41e-4 lbs/hr	CC
Cadmium	324C1	1.66e-1 ug/g	1.41e-4 lbs/hr	CC
Chromium	324C1	4.59e+1 ug/g	3.92e-2 lbs/hr	CC
Lead	324C1	6.74e+1 ug/g	5.75e-2 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,4-Trichlorobenzene	324C1	1.35e+3 ug/g	1.15e+0 lbs/hr	CC
PCP	324C1	3.76e+3 ug/g	3.22e+0 lbs/hr	CC

6. Description: BATCH B
 Group: BATCH

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	324C2	3.23e+3 ug/g	2.44e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	324C2	2.99e+1 ug/g	2.26e-2 lbs/hr	CC
Beryllium	324C2	1.65e-1 ug/g	1.25e-4 lbs/hr	CC
Cadmium	324C2	1.65e-1 ug/g	1.25e-4 lbs/hr	CC
Chromium	324C2	3.32e+1 ug/g	2.51e-2 lbs/hr	CC
Lead	324C2	6.26e+1 ug/g	4.74e-2 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,4-Trichlorobenzene	324C2	9.89e+2 ug/g	7.49e-1 lbs/hr	CC
PCP	324C2	2.82e+3 ug/g	2.13e+0 lbs/hr	CC

6. Description: BATCH C
 Group: BATCH

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	324C3	4.36e+3 ug/g	3.67e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: ALLIED CORPORATION
 2. STATE: AL
 3. CITY: BIRMINGHAM
 4. EP ID: 324 DEVICE NAME:

EPA ID: ALD031499833
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: ?

REGION: 4

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	324C3	2.80e+1 ug/g	2.36e-2 lbs/hr	CC
Beryllium	324C3	1.54e-1 ug/g	1.30e-4 lbs/hr	CC
Cadmium	324C3	1.54e-1 ug/g	1.30e-4 lbs/hr	CC
Chromium	324C3	3.29e+1 ug/g	2.77e-2 lbs/hr	CC
Lead	324C3	4.16e+0 ug/g	3.50e-3 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,4-Trichlorobenzene	324C3	1.25e+3 ug/g	1.05e+0 lbs/hr	CC
PCP	324C3	3.51e+3 ug/g	2.95e+0 lbs/hr	CC

6. Description: BATCH D

Group: BATCH

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	324C4	4.69e+3 ug/g	3.91e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	324C4	3.38e+1 ug/g	2.81e-2 lbs/hr	CC
Beryllium	324C4	1.70e-1 ug/g	1.41e-4 lbs/hr	CC
Cadmium	324C4	1.19e+0 ug/g	9.89e-4 lbs/hr	CC
Chromium	324C4	3.19e+1 ug/g	2.66e-2 lbs/hr	CC
Lead	324C4	2.29e+2 ug/g	1.91e-1 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,4-Trichlorobenzene	324C4	1.38e+3 ug/g	1.15e+0 lbs/hr	CC
PCP	324C4	3.86e+3 ug/g	3.21e+0 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: AMERICAN CYANAMID
 2. STATE: MO
 3. CITY: HANNIBAL
 4. EP ID: 805 DEVICE NAME: TRANE/BRULE EPA ID: MOD050226075 REGION: 7
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/QS/VS/ES/PBS

5. Type: WASTE

6. Description: AQUEOUS/SPIKED ORGANICS (MCB)
 Group: FIREBOX Location: SINGLE CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	805C1R1	1.20e+2 ug/g	1.94e+0 lbs/hr	CE
Chlorine	805C1R2	2.00e+2 ug/g	3.25e+0 lbs/hr	CE
Chlorine	805C1R3	1.40e+2 ug/g	0.00e+0	
Chlorine	805C2R1	2.31e+8 ug/dscm	2.33e+2 lbs/hr	CC
Chlorine	805C2R2	1.73e+8 ug/dscm	1.75e+2 lbs/hr	CC
Chlorine	805C2R3	1.73e+8 ug/dscm	1.75e+2 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Formic acid	805C1R1	6.97e+4 ug/g	1.13e+3 lbs/hr	CC
Formic acid	805C1R2	7.10e+4 ug/g	1.15e+3 lbs/hr	CC
Formic acid	805C1R3	1.13e+9 ug/dscm	1.14e+3 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	805C2R1	7.33e+8 ug/dscm	7.41e+2 lbs/hr	CC
Chlorobenzene	805C2R2	5.49e+8 ug/dscm	5.56e+2 lbs/hr	CC
Chlorobenzene	805C2R3	5.49e+8 ug/dscm	5.56e+2 lbs/hr	CC

6. Description: SPIKED ORGANICS (MCB)
 Group: FIREBOX Location: SINGLE CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	805C1R1	1.17e+5 ug/g	1.12e+2 lbs/hr	CE
Chlorine	805C1R2	1.16e+5 ug/g	1.11e+2 lbs/hr	CE
Chlorine	805C1R3	1.16e+5 ug/g	0.00e+0	
Chlorine	805C2R1	2.29e+8 ug/dscm	1.38e+1 lbs/hr	CC
Chlorine	805C2R2	2.64e+8 ug/dscm	1.58e+1 lbs/hr	CC
Chlorine	805C2R3	5.01e+8 ug/dscm	3.00e+1 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	805C2R1	7.28e+8 ug/dscm	4.37e+1 lbs/hr	CC
Chlorobenzene	805C2R2	8.39e+8 ug/dscm	5.03e+1 lbs/hr	CC
Chlorobenzene	805C2R3	1.59e+9 ug/dscm	9.53e+1 lbs/hr	CC
Tetrachloroethene	805C1R1	1.35e+5 ug/g	1.30e+2 lbs/hr	CC
Tetrachloroethene	805C1R2	1.26e+5 ug/g	1.21e+2 lbs/hr	CC
Tetrachloroethene	805C1R3	1.99e+9 ug/dscm	1.19e+2 lbs/hr	CC

6. Description: SPIKED ORGANICS (MCB)
 Group: CONTROLLED AIR Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	805C2R1	1.26e+4 ug/g	2.50e+0 lbs/hr	CC
Chlorine	805C2R2	1.26e+4 ug/g	2.50e+0 lbs/hr	CC
Chlorine	805C2R3	1.26e+4 ug/g	2.50e+0 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: AMERICAN CYANAMID

2. STATE: MO

3. CITY: HANNIBAL

EPA ID: MOD050226075

REGION: 7

4. EP ID: 805 DEVICE NAME: TRANE/BRULE

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/QS/VS/ES/PBS

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Formic acid	805C1R1	5.08e+4 ug/g	1.01e+1 lbs/hr	CC
Formic acid	805C1R2	5.08e+4 ug/g	1.01e+1 lbs/hr	CC
Formic acid	805C1R3	5.08e+4 ug/g	1.01e+1 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	805C2R1	4.01e+4 ug/g	7.94e+0 lbs/hr	CC
Chlorobenzene	805C2R2	4.01e+4 ug/g	7.94e+0 lbs/hr	CC
Chlorobenzene	805C2R3	4.01e+4 ug/g	7.94e+0 lbs/hr	CC