

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ELI LILLY AND COMPANY

2. STATE: IN

3. CITY: CLINTON

EPA ID: IND072040348

REGION: 5

4. EP ID: 701 DEVICE NAME: BARTLETT SNOW INCIN.

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
HCl	701C1R1	2.61e+1	ppmv 7%O2	8.92e-1 lbs/hr	CC7%O2
HCl	701C1R2	2.47e+1	ppmv 7%O2	8.46e-1 lbs/hr	CC7%O2
HCl	701C1R3	2.31e+1	ppmv 7%O2	7.80e-1 lbs/hr	CC7%O2
HCl	701C2R1	1.94e+0	ppmv 7%O2	9.15e-2 lbs/hr	CC7%O2
HCl	701C2R2	4.93e-1	ppmv 7%O2	2.18e-2 lbs/hr	CC7%O2
HCl	701C2R3	3.41e-1	ppmv 7%O2	1.60e-2 lbs/hr	CC7%O2
HCl	701C3R1	5.36e+0	ppmv 7%O2	1.72e-1 lbs/hr	CC7%O2
HCl	701C3R2	7.34e+0	ppmv 7%O2	2.36e-1 lbs/hr	CC7%O2
HCl	701C3R3	7.13e+0	ppmv 7%O2	2.04e-1 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Particulate	701C1R1	3.84e-2	gr/dscf 7%O2	1.99e+0 lbs/hr	CE
Particulate	701C1R2	2.83e-2	gr/dscf 7%O2	1.47e+0 lbs/hr	CE
Particulate	701C1R3	3.29e-2	gr/dscf 7%O2	1.68e+0 lbs/hr	CE
Particulate	701C2R1	2.72e-2	gr/dscf 7%O2	1.95e+0 lbs/hr	CE
Particulate	701C2R2	2.43e-2	gr/dscf 7%O2	1.63e+0 lbs/hr	CE
Particulate	701C2R3	2.67e-2	gr/dscf 7%O2	1.90e+0 lbs/hr	CE
Particulate	701C3R1	7.84e-2	gr/dscf 7%O2	3.82e+0 lbs/hr	CE
Particulate	701C3R2	6.01e-2	gr/dscf 7%O2	2.93e+0 lbs/hr	CE
Particulate	701C3R3	6.98e-2	gr/dscf 7%O2	3.03e+0 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
THC	701C3R4	7.70e-1	ppmv	4.36e-2 lbs/hr	CE
THC	701C3R5	1.47e+0	ppmv	8.16e-2 lbs/hr	CE
THC	701C3R6	6.97e-1	ppmv	4.02e-2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	701C1R4	ND	1.01e+3 ng/dscm	2.93e-5 lbs/hr	CE
Carbon Tetrachloride	701C1R5	ND	1.33e+3 ng/dscm	3.87e-5 lbs/hr	CE
Carbon Tetrachloride	701C1R6		6.23e+4 ng/dscm	1.87e-3 lbs/hr	CE
Chlorobenzene	701C1R4	ND	4.45e+2 ng/dscm	1.29e-5 lbs/hr	CE
Chlorobenzene	701C1R5	ND	1.36e+5 ng/dscm	3.98e-3 lbs/hr	CE
Chlorobenzene	701C1R6	ND	1.61e+2 ng/dscm	4.84e-6 lbs/hr	CE
Chlorobenzene	701C2R4	ND	2.12e+2 ng/dscm	8.53e-6 lbs/hr	CE
Chlorobenzene	701C2R5	ND	1.79e+2 ng/dscm	6.91e-6 lbs/hr	CE
Chlorobenzene	701C2R6	ND	1.62e+2 ng/dscm	6.41e-6 lbs/hr	CE
Dichloromethane	701C1R4		3.06e+5 ng/dscm	8.89e-3 lbs/hr	CE
Dichloromethane	701C1R5	ND	6.95e+4 ng/dscm	2.03e-3 lbs/hr	CE
Dichloromethane	701C1R6		4.88e+4 ng/dscm	1.47e-3 lbs/hr	CE
Toluene	701C2R4		1.45e+4 ng/dscm	5.81e-4 lbs/hr	CE
Toluene	701C2R5		3.29e+3 ng/dscm	1.27e-4 lbs/hr	CE
Toluene	701C2R6		9.54e+3 ng/dscm	3.77e-4 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ELI LILLY AND COMPANY
 2. STATE: IN
 3. CITY: LAFAYETTE
 4. EP ID: 358 DEVICE NAME:

EPA IND006050967
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/VS/C/CT/S/DM

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HBr	358C1R1	3.59e+1 ppmv 7%O2	3.02e+0 lbs/hr	CC7%O2
HBr	358C1R2	4.57e+1 ppmv 7%O2	3.71e+0 lbs/hr	CC7%O2
HBr	358C1R3	5.45e+1 ppmv 7%O2	4.45e+0 lbs/hr	CC7%O2
HBr	358C1R4	2.91e+1 ppmv 7%O2	2.25e+0 lbs/hr	CC7%O2
HBr	358C2R1	2.26e+0 ppmv 7%O2	1.77e-1 lbs/hr	CC7%O2
HBr	358C2R2	2.82e+0 ppmv 7%O2	2.15e-1 lbs/hr	CC7%O2
HBr	358C2R3	3.25e+0 ppmv 7%O2	2.47e-1 lbs/hr	CC7%O2
HBr	358C3R1	9.49e+1 ppmv 7%O2	8.39e+0 lbs/hr	CC7%O2
HBr	358C3R2	7.11e+1 ppmv 7%O2	6.19e+0 lbs/hr	CC7%O2
HBr	358C3R3	9.01e+1 ppmv 7%O2	8.15e+0 lbs/hr	CC7%O2
HBr	358C4R1	4.33e+1 ppmv 7%O2	3.35e+0 lbs/hr	CC7%O2
HBr	358C4R2	3.32e+1 ppmv 7%O2	2.82e+0 lbs/hr	CC7%O2
HBr	358C4R3	4.50e+1 ppmv 7%O2	3.53e+0 lbs/hr	CC7%O2
HCl	358C1R1	1.06e+1 ppmv 7%O2	4.03e-1 lbs/hr	CC7%O2
HCl	358C1R2	3.97e+0 ppmv 7%O2	1.45e-1 lbs/hr	CC7%O2
HCl	358C1R3	9.38e-1 ppmv 7%O2	3.45e-2 lbs/hr	CC7%O2
HCl	358C1R4	ND 4.13e-1 ppmv 7%O2	1.44e-2 lbs/hr	CC7%O2
HCl	358C2R1	ND 1.83e-1 ppmv 7%O2	6.44e-3 lbs/hr	CC7%O2
HCl	358C2R2	ND 1.76e-1 ppmv 7%O2	6.04e-3 lbs/hr	CC7%O2
HCl	358C2R3	ND 1.78e-1 ppmv 7%O2	6.08e-3 lbs/hr	CC7%O2
HCl	358C3R1	6.33e-1 ppmv 7%O2	2.52e-2 lbs/hr	CC7%O2
HCl	358C3R2	2.75e-1 ppmv 7%O2	1.08e-2 lbs/hr	CC7%O2
HCl	358C3R3	6.63e-1 ppmv 7%O2	2.70e-2 lbs/hr	CC7%O2
HCl	358C4R1	8.80e+0 ppmv 7%O2	3.07e-1 lbs/hr	CC7%O2
HCl	358C4R2	8.94e+0 ppmv 7%O2	3.42e-1 lbs/hr	CC7%O2
HCl	358C4R3	7.61e+0 ppmv 7%O2	2.69e-1 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	358C1R1	3.15e-2 gr/dscf 7%O2	1.81e+0 lbs/hr	CE
Particulate	358C1R2	3.05e-2 gr/dscf 7%O2	1.69e+0 lbs/hr	CE
Particulate	358C1R3	3.39e-2 gr/dscf 7%O2	1.89e+0 lbs/hr	CE
Particulate	358C1R4	3.61e-2 gr/dscf 7%O2	1.91e+0 lbs/hr	CE
Particulate	358C2R1	2.45e-2 gr/dscf 7%O2	1.31e+0 lbs/hr	CE
Particulate	358C2R2	2.46e-2 gr/dscf 7%O2	1.28e+0 lbs/hr	CE
Particulate	358C2R3	2.88e-2 gr/dscf 7%O2	1.50e+0 lbs/hr	CE
Particulate	358C3R1	4.11e-2 gr/dscf 7%O2	2.48e+0 lbs/hr	CE
Particulate	358C3R2	4.48e-2 gr/dscf 7%O2	2.66e+0 lbs/hr	CE
Particulate	358C3R3	4.29e-2 gr/dscf 7%O2	2.65e+0 lbs/hr	CE
Particulate	358C4R1	2.69e-2 gr/dscf 7%O2	1.42e+0 lbs/hr	CE
Particulate	358C4R2	2.62e-2 gr/dscf 7%O2	1.52e+0 lbs/hr	CE
Particulate	358C4R3	2.73e-2 gr/dscf 7%O2	1.46e+0 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	358C1R1	3.00e+0 ppmv 7%O2	8.74e-2 lbs/hr	CE
CO	358C1R2	2.00e+0 ppmv 7%O2	5.62e-2 lbs/hr	CE
CO	358C1R3	2.00e+0 ppmv 7%O2	5.66e-2 lbs/hr	CE
CO	358C1R4	2.00e+0 ppmv 7%O2	5.36e-2 lbs/hr	CE
CO	358C4R2	1.00e+0 ppmv 7%O2	2.94e-2 lbs/hr	CE

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SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ELI LILLY AND COMPANY
 2. STATE: IN
 3. CITY: LAFAYETTE
 4. EP ID: 358 DEVICE NAME:

EPA ID: IND006050967
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/VS/C/CT/S/DM

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	358C1R1	1.82e+4 ng/dscm 7%O2	4.57e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C1R2	4.14e+5 ng/dscm 7%O2	1.00e-2 lbs/hr	CC7%O2
Carbon Tetrachloride	358C1R3	1.30e+5 ng/dscm 7%O2	3.15e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	358C1R4	3.81e+4 ng/dscm 7%O2	8.77e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C2R1	3.45e+4 ng/dscm 7%O2	8.04e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C2R2	2.88e+4 ng/dscm 7%O2	6.56e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C2R3	1.63e+4 ng/dscm 7%O2	3.70e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C3R1	1.14e+4 ng/dscm 7%O2	3.01e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C3R2	2.90e+4 ng/dscm 7%O2	7.53e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C3R3	1.20e+4 ng/dscm 7%O2	3.24e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C4R1	4.30e+4 ng/dscm 7%O2	9.91e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C4R2	2.23e+4 ng/dscm 7%O2	5.64e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	358C4R3	2.21e+4 ng/dscm 7%O2	5.17e-4 lbs/hr	CC7%O2
Chlorobenzene	358C1R1	ND 3.67e+3 ng/dscm 7%O2	9.20e-5 lbs/hr	CC7%O2
Chlorobenzene	358C1R2	ND 2.13e+5 ng/dscm 7%O2	5.15e-3 lbs/hr	CC7%O2
Chlorobenzene	358C1R3	ND 1.39e+5 ng/dscm 7%O2	3.38e-3 lbs/hr	CC7%O2
Chlorobenzene	358C1R4	ND 8.34e+2 ng/dscm 7%O2	1.92e-5 lbs/hr	CC7%O2
Chlorobenzene	358C2R1	ND 1.56e+4 ng/dscm 7%O2	3.64e-4 lbs/hr	CC7%O2
Chlorobenzene	358C2R2	ND 2.07e+4 ng/dscm 7%O2	4.71e-4 lbs/hr	CC7%O2
Chlorobenzene	358C2R3	ND 2.87e+4 ng/dscm 7%O2	6.51e-4 lbs/hr	CC7%O2
Chlorobenzene	358C3R1	ND 5.96e+2 ng/dscm 7%O2	1.57e-5 lbs/hr	CC7%O2
Chlorobenzene	358C3R2	ND 3.27e+2 ng/dscm 7%O2	8.47e-6 lbs/hr	CC7%O2
Chlorobenzene	358C3R3	ND 3.65e+2 ng/dscm 7%O2	9.82e-6 lbs/hr	CC7%O2
Chlorobenzene	358C4R1	ND 4.98e+3 ng/dscm 7%O2	1.15e-4 lbs/hr	CC7%O2
Chlorobenzene	358C4R2	ND 2.91e+2 ng/dscm 7%O2	7.36e-6 lbs/hr	CC7%O2
Chlorobenzene	358C4R3	ND 3.30e+2 ng/dscm 7%O2	7.72e-6 lbs/hr	CC7%O2
Methylene Chloride	358C1R1	1.30e+6 ng/dscm 7%O2	3.26e-2 lbs/hr	CC7%O2
Methylene Chloride	358C1R2	1.10e+6 ng/dscm 7%O2	2.66e-2 lbs/hr	CC7%O2
Methylene Chloride	358C1R3	8.80e+5 ng/dscm 7%O2	2.14e-2 lbs/hr	CC7%O2
Methylene Chloride	358C1R4	2.25e+6 ng/dscm 7%O2	5.18e-2 lbs/hr	CC7%O2
Methylene Chloride	358C2R1	2.98e+5 ng/dscm 7%O2	6.95e-3 lbs/hr	CC7%O2
Methylene Chloride	358C2R2	2.98e+5 ng/dscm 7%O2	6.79e-3 lbs/hr	CC7%O2
Methylene Chloride	358C2R3	3.50e+5 ng/dscm 7%O2	7.93e-3 lbs/hr	CC7%O2
Methylene Chloride	358C3R1	2.03e+5 ng/dscm 7%O2	5.34e-3 lbs/hr	CC7%O2
Methylene Chloride	358C3R2	9.29e+4 ng/dscm 7%O2	2.41e-3 lbs/hr	CC7%O2
Methylene Chloride	358C3R3	1.54e+5 ng/dscm 7%O2	4.15e-3 lbs/hr	CC7%O2
Methylene Chloride	358C4R1	3.18e+5 ng/dscm 7%O2	7.34e-3 lbs/hr	CC7%O2
Methylene Chloride	358C4R2	2.18e+5 ng/dscm 7%O2	5.51e-3 lbs/hr	CC7%O2
Methylene Chloride	358C4R3	1.67e+5 ng/dscm 7%O2	3.91e-3 lbs/hr	CC7%O2
Methylene Chloride	358C5R1	ND 3.16e+3 ng/dscm 7%O2	5.90e-5 lbs/hr	CC7%O2
Methylene Chloride	358C5R2	ND 8.49e+3 ng/dscm 7%O2	1.84e-4 lbs/hr	CC7%O2
Methylene Chloride	358C5R3	5.72e+3 ng/dscm 7%O2	1.50e-4 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ELI LILLY AND COMPANY
 2. STATE: PR
 3. CITY: MAYAQUEZ
 4. EP ID: 728 DEVICE NAME: BRULE

EPA ID: PRD091024786
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2
 APC SYSTEM: QT/PT/VS

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: INCINERATOR Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	728C1R1	ND 3.83e-2 ppmv 7%O2	6.79e-4 lbs/hr	CE7%O2
HCl	728C1R2	3.89e-1 ppmv 7%O2	6.59e-3 lbs/hr	CE7%O2
HCl	728C1R3	6.92e-1 ppmv 7%O2	1.18e-2 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	728C1R1	4.53e-2 gr/dscf 7%O2	1.21e+0 lbs/hr	CE
Particulate	728C1R2	4.29e-2 gr/dscf 7%O2	1.10e+0 lbs/hr	CE
Particulate	728C1R3	4.25e-2 gr/dscf 7%O2	1.10e+0 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Acetonitrile	728C1R1	1.49e+5 ng/dscm 7%O2	1.74e-3 lbs/hr	CC7%O2
Acetonitrile	728C1R2	2.16e+5 ng/dscm 7%O2	2.41e-3 lbs/hr	CC7%O2
Acetonitrile	728C1R3	6.77e+5 ng/dscm 7%O2	7.66e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	728C1R1	4.76e+3 ng/dscm 7%O2	5.56e-5 lbs/hr	CC7%O2
Carbon Tetrachloride	728C1R2	6.16e+3 ng/dscm 7%O2	6.88e-5 lbs/hr	CC7%O2
Carbon Tetrachloride	728C1R3	6.44e+3 ng/dscm 7%O2	7.29e-5 lbs/hr	CC7%O2
Methylene Chloride	728C1R1	1.54e+5 ng/dscm 7%O2	1.80e-3 lbs/hr	CC7%O2
Methylene Chloride	728C1R2	2.35e+5 ng/dscm 7%O2	2.63e-3 lbs/hr	CC7%O2
Methylene Chloride	728C1R3	6.35e+5 ng/dscm 7%O2	7.18e-3 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: FIRST CHEMICAL CORPORATION
 2. STATE: MS
 3. CITY: PASCAGOULA
 4. EP ID: 904 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: ? REGION: 4
 EPA ID: MSD033417031

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: STARVED-AIR Location: STACK Phase: GAS
 7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	904C1R2	ND 1.55e-2 ng/dscm 7%O2	1.98e-10 lbs/hr	CC7%O2
4D 2378	904C2R2	ND 4.54e-3 ng/dscm 7%O2	5.66e-11 lbs/hr	CC7%O2
4D 2378	904C3R2	ND 1.00e-3 ng/dscm 7%O2	2.10e-11 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	904C1R1	1.53e-2 gr/dscf 7%O2	4.47e-1 lbs/hr	CE
Particulate	904C1R2	1.30e-2 gr/dscf 7%O2	3.80e-1 lbs/hr	CE
Particulate	904C1R3	1.08e-2 gr/dscf 7%O2	3.26e-1 lbs/hr	CE
Particulate	904C2R1	4.10e-3 gr/dscf 7%O2	1.17e-1 lbs/hr	CE
Particulate	904C2R2	2.90e-3 gr/dscf 7%O2	8.28e-2 lbs/hr	CE
Particulate	904C2R3	3.00e-3 gr/dscf 7%O2	9.02e-2 lbs/hr	CE
Particulate	904C3R1	1.03e-2 gr/dscf 7%O2	5.06e-1 lbs/hr	CE
Particulate	904C3R2	1.07e-2 gr/dscf 7%O2	5.13e-1 lbs/hr	CE
Particulate	904C3R3	2.82e-2 gr/dscf 7%O2	1.28e+0 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Aniline	904C1R1	ND 2.27e+1 ng/dscm 7%O2	2.89e-7 lbs/hr	CC7%O2
Aniline	904C1R2	ND 2.22e+1 ng/dscm 7%O2	2.83e-7 lbs/hr	CC7%O2
Aniline	904C1R3	ND 2.21e+1 ng/dscm 7%O2	2.90e-7 lbs/hr	CC7%O2
Dinitroresol	904C2R1	ND 2.20e+2 ng/dscm 7%O2	2.75e-6 lbs/hr	CC7%O2
Dinitroresol	904C2R2	ND 2.22e+2 ng/dscm 7%O2	2.77e-6 lbs/hr	CC7%O2
Dinitroresol	904C2R3	ND 2.09e+2 ng/dscm 7%O2	2.74e-6 lbs/hr	CC7%O2
Dinitroresol	904C3R1	ND 2.00e+2 ng/dscm 7%O2	4.29e-6 lbs/hr	CC7%O2
Dinitroresol	904C3R2	ND 1.96e+2 ng/dscm 7%O2	4.11e-6 lbs/hr	CC7%O2
Dinitroresol	904C3R3	ND 2.39e+2 ng/dscm 7%O2	4.75e-6 lbs/hr	CC7%O2
Dinitrophenol	904C2R1	ND 4.16e+2 ng/dscm 7%O2	5.19e-6 lbs/hr	CC7%O2
Dinitrophenol	904C2R2	ND 4.01e+2 ng/dscm 7%O2	5.00e-6 lbs/hr	CC7%O2
Dinitrophenol	904C2R3	ND 3.85e+2 ng/dscm 7%O2	5.05e-6 lbs/hr	CC7%O2
Dinitrophenol	904C3R1	ND 3.79e+2 ng/dscm 7%O2	8.12e-6 lbs/hr	CC7%O2
Dinitrophenol	904C3R2	ND 3.69e+2 ng/dscm 7%O2	7.72e-6 lbs/hr	CC7%O2
Dinitrophenol	904C3R3	ND 4.32e+2 ng/dscm 7%O2	8.57e-6 lbs/hr	CC7%O2
Nitrobenzene	904C1R1	ND 2.95e+1 ng/dscm 7%O2	3.76e-7 lbs/hr	CC7%O2
Nitrobenzene	904C1R2	ND 2.67e+1 ng/dscm 7%O2	3.40e-7 lbs/hr	CC7%O2
Nitrobenzene	904C1R3	ND 2.65e+1 ng/dscm 7%O2	3.48e-7 lbs/hr	CC7%O2
Nitrobenzene	904C2R1	ND 2.64e+1 ng/dscm 7%O2	3.30e-7 lbs/hr	CC7%O2
Nitrobenzene	904C2R2	ND 2.72e+1 ng/dscm 7%O2	3.39e-7 lbs/hr	CC7%O2
Nitrobenzene	904C2R3	ND 2.42e+1 ng/dscm 7%O2	3.17e-7 lbs/hr	CC7%O2
Nitrobenzene	904C3R1	ND 2.58e+1 ng/dscm 7%O2	5.53e-7 lbs/hr	CC7%O2
Nitrobenzene	904C3R2	ND 2.41e+1 ng/dscm 7%O2	5.04e-7 lbs/hr	CC7%O2
Nitrobenzene	904C3R3	ND 2.66e+1 ng/dscm 7%O2	5.28e-7 lbs/hr	CC7%O2
Phenylenediamine	904C1R1	ND 9.72e+1 ng/dscm 7%O2	1.24e-6 lbs/hr	CC7%O2
Phenylenediamine	904C1R2	ND 8.63e+1 ng/dscm 7%O2	1.10e-6 lbs/hr	CC7%O2
Phenylenediamine	904C1R3	ND 8.82e+1 ng/dscm 7%O2	1.16e-6 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	904C1R1	7.53e-1 ppmv 7%O2	1.12e-2 lbs/hr	CE7%O2
CO	904C1R2	ND 3.81e-1 ppmv 7%O2	5.64e-3 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: FIRST CHEMICAL CORPORATION
 2. STATE: MS
 3. CITY: PASCAGOULA
 4. EP ID: 904 DEVICE NAME:

EPA ID: MSD033417031
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: ?

REGION: 4

CO	904C1R3		7.65e-1	ppmv	7%O2	1.17e-2	lbs/hr	CE7%O2
CO	904C2R1	ND	3.83e-1	ppmv	7%O2	5.56e-3	lbs/hr	CE7%O2
CO	904C2R2		7.53e-2	ppmv	7%O2	1.09e-3	lbs/hr	CE7%O2
CO	904C2R3	ND	3.77e-1	ppmv	7%O2	5.74e-3	lbs/hr	CE7%O2
CO	904C3R1	ND	3.79e-1	ppmv	7%O2	9.43e-3	lbs/hr	CE7%O2
CO	904C3R2	ND	3.81e-1	ppmv	7%O2	9.26e-3	lbs/hr	CE7%O2
CO	904C3R3	ND	3.85e-1	ppmv	7%O2	8.88e-3	lbs/hr	CE7%O2
THC	904C1R1		8.28e+0	ppmv	7%O2	1.93e-1	lbs/hr	CE7%O2
THC	904C1R2		9.51e+0	ppmv	7%O2	2.21e-1	lbs/hr	CE7%O2
THC	904C1R3		5.74e+0	ppmv	7%O2	1.38e-1	lbs/hr	CE7%O2
THC	904C2R1		4.97e+0	ppmv	7%O2	1.13e-1	lbs/hr	CE7%O2
THC	904C2R2		5.64e+0	ppmv	7%O2	1.28e-1	lbs/hr	CE7%O2
THC	904C2R3		4.51e+0	ppmv	7%O2	1.08e-1	lbs/hr	CE7%O2
THC	904C3R1		9.83e+0	ppmv	7%O2	3.85e-1	lbs/hr	CE7%O2
THC	904C3R2		1.03e+1	ppmv	7%O2	3.93e-1	lbs/hr	CE7%O2
THC	904C3R3		7.69e+0	ppmv	7%O2	2.79e-1	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Toluene	904C2R1	ND	1.21e+3	ng/dscm 7%O2	1.51e-5	lbs/hr	CC7%O2
Toluene	904C2R2	ND	1.30e+3	ng/dscm 7%O2	1.62e-5	lbs/hr	CC7%O2
Toluene	904C2R3	ND	1.27e+3	ng/dscm 7%O2	1.66e-5	lbs/hr	CC7%O2
Toluene	904C3R1		2.88e+3	ng/dscm 7%O2	6.17e-5	lbs/hr	CC7%O2
Toluene	904C3R2	ND	5.11e+3	ng/dscm 7%O2	1.07e-4	lbs/hr	CC7%O2
Toluene	904C3R3	ND	1.95e+3	ng/dscm 7%O2	3.87e-5	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: MA
 3. CITY: PITTSFIELD
 4. EP ID: 330 DEVICE NAME:

EPA MAD002084093
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: QT/WS/DM

REGION: 1

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	330C1R1	1.15e-1 ng/dscm 7%O2	1.73e-9 lbs/hr	CE7%O2
4D 2378	330C1R2	1.51e-1 ng/dscm 7%O2	2.31e-9 lbs/hr	CE7%O2
4D 2378	330C1R3	2 4.67e-2 ng/dscm 7%O2	7.28e-10 lbs/hr	CE7%O2
4D 2378	330C2R2	2 2.52e-2 ng/dscm 7%O2	3.43e-10 lbs/hr	CE7%O2
4D 2378	330C2R3	1.21e-1 ng/dscm 7%O2	1.94e-9 lbs/hr	CE7%O2
4D Other	330C1R1	3.87e+0 ng/dscm 7%O2	5.81e-8 lbs/hr	OCE
4D Other	330C1R2	4.96e-1 ng/dscm 7%O2	7.59e-9 lbs/hr	OCE
4D Other	330C1R3	1.08e-2 ng/dscm 7%O2	1.68e-10 lbs/hr	OCE
4D Other	330C2R2	2.79e+0 ng/dscm 7%O2	3.80e-8 lbs/hr	OCE
4D Other	330C2R3	2.56e+0 ng/dscm 7%O2	4.10e-8 lbs/hr	OCE
4D Total	330C1R1	3.98e+0 ng/dscm 7%O2	5.98e-8 lbs/hr	CE7%O2
4D Total	330C1R2	6.47e-1 ng/dscm 7%O2	9.90e-9 lbs/hr	CE7%O2
4D Total	330C1R3	5.74e-2 ng/dscm 7%O2	8.96e-10 lbs/hr	CE7%O2
4D Total	330C2R2	2.81e+0 ng/dscm 7%O2	3.83e-8 lbs/hr	CE7%O2
4D Total	330C2R3	2.68e+0 ng/dscm 7%O2	4.29e-8 lbs/hr	CE7%O2
4F 2378	330C1R1	2.72e+1 ng/dscm 7%O2	4.09e-7 lbs/hr	CE7%O2
4F 2378	330C1R2	2.00e+2 ng/dscm 7%O2	3.06e-6 lbs/hr	CE7%O2
4F 2378	330C1R3	4.24e+1 ng/dscm 7%O2	6.61e-7 lbs/hr	CE7%O2
4F 2378	330C2R2	7.34e+0 ng/dscm 7%O2	1.00e-7 lbs/hr	CE7%O2
4F 2378	330C2R3	1.09e+2 ng/dscm 7%O2	1.75e-6 lbs/hr	CE7%O2
4F Other	330C1R1	6.40e+1 ng/dscm 7%O2	9.61e-7 lbs/hr	OCE
4F Other	330C1R2	4.44e+2 ng/dscm 7%O2	6.79e-6 lbs/hr	OCE
4F Other	330C1R3	6.25e+1 ng/dscm 7%O2	9.74e-7 lbs/hr	OCE
4F Other	330C2R2	2.12e+1 ng/dscm 7%O2	2.89e-7 lbs/hr	OCE
4F Other	330C2R3	2.57e+2 ng/dscm 7%O2	4.10e-6 lbs/hr	OCE
4F Total	330C1R1	9.12e+1 ng/dscm 7%O2	1.37e-6 lbs/hr	CE7%O2
4F Total	330C1R2	6.44e+2 ng/dscm 7%O2	9.85e-6 lbs/hr	CE7%O2
4F Total	330C1R3	1.05e+2 ng/dscm 7%O2	1.64e-6 lbs/hr	CE7%O2
4F Total	330C2R2	2.86e+1 ng/dscm 7%O2	3.89e-7 lbs/hr	CE7%O2
4F Total	330C2R3	3.66e+2 ng/dscm 7%O2	5.85e-6 lbs/hr	CE7%O2
5D 12378	330C1R1	3.13e-1 ng/dscm 7%O2	4.70e-9 lbs/hr	CE7%O2
5D 12378	330C1R2	2.09e-1 ng/dscm 7%O2	3.19e-9 lbs/hr	CE7%O2
5D 12378	330C1R3	2 7.90e-2 ng/dscm 7%O2	1.23e-9 lbs/hr	CE7%O2
5D 12378	330C2R2	1.51e-1 ng/dscm 7%O2	2.06e-9 lbs/hr	CE7%O2
5D 12378	330C2R3	3.68e-1 ng/dscm 7%O2	5.88e-9 lbs/hr	CE7%O2
5D Other	330C1R1	4.49e+0 ng/dscm 7%O2	6.74e-8 lbs/hr	OCE
5D Other	330C1R2	1.09e+0 ng/dscm 7%O2	1.66e-8 lbs/hr	OCE
5D Other	330C1R3	2.12e-1 ng/dscm 7%O2	3.30e-9 lbs/hr	OCE
5D Other	330C2R2	4.17e+0 ng/dscm 7%O2	5.68e-8 lbs/hr	OCE
5D Other	330C2R3	3.86e+0 ng/dscm 7%O2	6.17e-8 lbs/hr	OCE
5D Total	330C1R1	4.80e+0 ng/dscm 7%O2	7.21e-8 lbs/hr	CE7%O2
5D Total	330C1R2	1.29e+0 ng/dscm 7%O2	1.98e-8 lbs/hr	CE7%O2
5D Total	330C1R3	2.91e-1 ng/dscm 7%O2	4.54e-9 lbs/hr	CE7%O2
5D Total	330C2R2	4.32e+0 ng/dscm 7%O2	5.89e-8 lbs/hr	CE7%O2
5D Total	330C2R3	4.23e+0 ng/dscm 7%O2	6.76e-8 lbs/hr	CE7%O2
5F 12378	330C1R1	2 4.28e+0 ng/dscm 7%O2	6.43e-8 lbs/hr	CE7%O2
5F 12378	330C1R2	3.24e+1 ng/dscm 7%O2	4.95e-7 lbs/hr	CE7%O2
5F 12378	330C1R3	6.71e+0 ng/dscm 7%O2	1.05e-7 lbs/hr	CE7%O2
5F 12378	330C2R2	1.43e+0 ng/dscm 7%O2	1.94e-8 lbs/hr	CE7%O2
5F 12378	330C2R3	2.85e+1 ng/dscm 7%O2	4.56e-7 lbs/hr	CE7%O2
5F 23478	330C1R1	2 1.04e+1 ng/dscm 7%O2	1.55e-7 lbs/hr	CE7%O2
5F 23478	330C1R2	9.89e+1 ng/dscm 7%O2	1.51e-6 lbs/hr	CE7%O2
5F 23478	330C1R3	1.82e+1 ng/dscm 7%O2	2.83e-7 lbs/hr	CE7%O2
5F 23478	330C2R2	4.45e+0 ng/dscm 7%O2	6.06e-8 lbs/hr	CE7%O2
5F 23478	330C2R3	1.06e+2 ng/dscm 7%O2	1.69e-6 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: MA
 3. CITY: PITTSFIELD
 4. EP ID: 330 DEVICE NAME:

EPA ID: MAD002084093
 SYSTEM TYPE: COMMERCIAL INCINERATOR
 APC SYSTEM: QT/WS/DM

REGION: 1

5F Other	330C1R1		4.68e+1	ng/dscm 7%O2	7.03e-7	lbs/hr	OCE
5F Other	330C1R2		3.33e+2	ng/dscm 7%O2	5.09e-6	lbs/hr	OCE
5F Other	330C1R3		4.62e+1	ng/dscm 7%O2	7.21e-7	lbs/hr	OCE
5F Other	330C2R2		1.68e+1	ng/dscm 7%O2	2.29e-7	lbs/hr	OCE
5F Other	330C2R3		3.21e+2	ng/dscm 7%O2	5.14e-6	lbs/hr	OCE
5F Total	330C1R1	2	6.14e+1	ng/dscm 7%O2	9.23e-7	lbs/hr	CE7%O2
5F Total	330C1R2		4.64e+2	ng/dscm 7%O2	7.10e-6	lbs/hr	CE7%O2
5F Total	330C1R3		7.11e+1	ng/dscm 7%O2	1.11e-6	lbs/hr	CE7%O2
5F Total	330C2R2		2.27e+1	ng/dscm 7%O2	3.09e-7	lbs/hr	CE7%O2
5F Total	330C2R3		4.56e+2	ng/dscm 7%O2	7.29e-6	lbs/hr	CE7%O2
6D 123478	330C1R1		2.79e-1	ng/dscm 7%O2	4.19e-9	lbs/hr	CE7%O2
6D 123478	330C1R2		2.09e-1	ng/dscm 7%O2	3.19e-9	lbs/hr	CE7%O2
6D 123478	330C1R3		4.31e-2	ng/dscm 7%O2	6.72e-10	lbs/hr	CE7%O2
6D 123478	330C2R2		1.85e-1	ng/dscm 7%O2	2.52e-9	lbs/hr	CE7%O2
6D 123478	330C2R3		2.61e-1	ng/dscm 7%O2	4.17e-9	lbs/hr	CE7%O2
6D 123678	330C1R1		3.72e-1	ng/dscm 7%O2	5.59e-9	lbs/hr	CE7%O2
6D 123678	330C1R2		2.16e-1	ng/dscm 7%O2	3.30e-9	lbs/hr	CE7%O2
6D 123678	330C1R3		7.54e-2	ng/dscm 7%O2	1.18e-9	lbs/hr	CE7%O2
6D 123678	330C2R2		6.71e-1	ng/dscm 7%O2	9.15e-9	lbs/hr	CE7%O2
6D 123678	330C2R3		4.78e-1	ng/dscm 7%O2	7.64e-9	lbs/hr	CE7%O2
6D 123789	330C1R1		5.96e-1	ng/dscm 7%O2	8.95e-9	lbs/hr	CE7%O2
6D 123789	330C1R2		2.37e-1	ng/dscm 7%O2	3.63e-9	lbs/hr	CE7%O2
6D 123789	330C1R3	2	7.18e-2	ng/dscm 7%O2	1.12e-9	lbs/hr	CE7%O2
6D 123789	330C2R2		7.13e-1	ng/dscm 7%O2	9.72e-9	lbs/hr	CE7%O2
6D 123789	330C2R3		6.25e-1	ng/dscm 7%O2	9.99e-9	lbs/hr	CE7%O2
6D Other	330C1R1		4.11e+0	ng/dscm 7%O2	6.18e-8	lbs/hr	OCE
6D Other	330C1R2		2.07e+0	ng/dscm 7%O2	3.17e-8	lbs/hr	OCE
6D Other	330C1R3		4.20e-1	ng/dscm 7%O2	6.55e-9	lbs/hr	OCE
6D Other	330C2R2		6.44e+0	ng/dscm 7%O2	8.78e-8	lbs/hr	OCE
6D Other	330C2R3		4.33e+0	ng/dscm 7%O2	6.93e-8	lbs/hr	OCE
6D Total	330C1R1		5.36e+0	ng/dscm 7%O2	8.05e-8	lbs/hr	CE7%O2
6D Total	330C1R2		2.73e+0	ng/dscm 7%O2	4.18e-8	lbs/hr	CE7%O2
6D Total	330C1R3		6.10e-1	ng/dscm 7%O2	9.52e-9	lbs/hr	CE7%O2
6D Total	330C2R2		8.01e+0	ng/dscm 7%O2	1.09e-7	lbs/hr	CE7%O2
6D Total	330C2R3		5.70e+0	ng/dscm 7%O2	9.11e-8	lbs/hr	CE7%O2
6F 123478	330C1R1		4.36e+0	ng/dscm 7%O2	6.54e-8	lbs/hr	CE7%O2
6F 123478	330C1R2		2.53e+1	ng/dscm 7%O2	3.87e-7	lbs/hr	CE7%O2
6F 123478	330C1R3		3.27e+0	ng/dscm 7%O2	5.10e-8	lbs/hr	CE7%O2
6F 123478	330C2R2		2.06e+0	ng/dscm 7%O2	2.80e-8	lbs/hr	CE7%O2
6F 123478	330C2R3		3.46e+1	ng/dscm 7%O2	5.53e-7	lbs/hr	CE7%O2
6F 123678	330C1R1		1.71e+0	ng/dscm 7%O2	2.57e-8	lbs/hr	CE7%O2
6F 123678	330C1R2		9.96e+0	ng/dscm 7%O2	1.52e-7	lbs/hr	CE7%O2
6F 123678	330C1R3		1.29e+0	ng/dscm 7%O2	2.02e-8	lbs/hr	CE7%O2
6F 123678	330C2R2		9.65e-1	ng/dscm 7%O2	1.32e-8	lbs/hr	CE7%O2
6F 123678	330C2R3		1.15e+1	ng/dscm 7%O2	1.84e-7	lbs/hr	CE7%O2
6F 123789	330C1R1		1.04e-1	ng/dscm 7%O2	1.57e-9	lbs/hr	CE7%O2
6F 123789	330C1R2	2	6.47e-1	ng/dscm 7%O2	9.90e-9	lbs/hr	CE7%O2
6F 123789	330C1R3		1.15e-1	ng/dscm 7%O2	1.79e-9	lbs/hr	CE7%O2
6F 123789	330C2R2		5.87e-2	ng/dscm 7%O2	8.01e-10	lbs/hr	CE7%O2
6F 123789	330C2R3		6.62e-1	ng/dscm 7%O2	1.06e-8	lbs/hr	CE7%O2
6F 234678	330C1R1		2.64e+0	ng/dscm 7%O2	3.97e-8	lbs/hr	CE7%O2
6F 234678	330C1R2		1.43e+1	ng/dscm 7%O2	2.20e-7	lbs/hr	CE7%O2
6F 234678	330C1R3		2.41e+0	ng/dscm 7%O2	3.75e-8	lbs/hr	CE7%O2
6F 234678	330C2R2		1.80e+0	ng/dscm 7%O2	2.46e-8	lbs/hr	CE7%O2
6F 234678	330C2R3		2.72e+1	ng/dscm 7%O2	4.36e-7	lbs/hr	CE7%O2
6F Other	330C1R1		1.14e+1	ng/dscm 7%O2	1.72e-7	lbs/hr	OCE
6F Other	330C1R2		5.37e+1	ng/dscm 7%O2	8.22e-7	lbs/hr	OCE
6F Other	330C1R3		5.92e+0	ng/dscm 7%O2	9.23e-8	lbs/hr	OCE
6F Other	330C2R2		5.10e+0	ng/dscm 7%O2	6.95e-8	lbs/hr	OCE
6F Other	330C2R3		7.71e+1	ng/dscm 7%O2	1.23e-6	lbs/hr	OCE
6F Total	330C1R1		2.03e+1	ng/dscm 7%O2	3.04e-7	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: MA
 3. CITY: PITTSFIELD
 4. EP ID: 330 DEVICE NAME:

EPA ID: MAD002084093
 SYSTEM TYPE: COMMERCIAL INCINERATOR
 APC SYSTEM: QT/WS/DM

REGION: 1

6F Total	330C1R2		1.04e+2 ng/dscm 7%O2	1.59e-6 lbs/hr	CE7%O2
6F Total	330C1R3		1.30e+1 ng/dscm 7%O2	2.03e-7 lbs/hr	CE7%O2
6F Total	330C2R2		9.98e+0 ng/dscm 7%O2	1.36e-7 lbs/hr	CE7%O2
6F Total	330C2R3		1.51e+2 ng/dscm 7%O2	2.42e-6 lbs/hr	CE7%O2
7D 1234678	330C1R1		1.79e+0 ng/dscm 7%O2	2.68e-8 lbs/hr	CE7%O2
7D 1234678	330C1R2		7.91e-1 ng/dscm 7%O2	1.21e-8 lbs/hr	CE7%O2
7D 1234678	330C1R3		2.48e-1 ng/dscm 7%O2	3.86e-9 lbs/hr	CE7%O2
7D 1234678	330C2R2		4.11e+0 ng/dscm 7%O2	5.60e-8 lbs/hr	CE7%O2
7D 1234678	330C2R3		1.65e+0 ng/dscm 7%O2	2.64e-8 lbs/hr	CE7%O2
7D Other	330C1R1		1.86e+0 ng/dscm 7%O2	2.80e-8 lbs/hr	OCE
7D Other	330C1R2		8.63e-1 ng/dscm 7%O2	1.32e-8 lbs/hr	OCE
7D Other	330C1R3		0.00e+0	0.00e+0	OCE
7D Other	330C2R2		4.78e+0 ng/dscm 7%O2	6.52e-8 lbs/hr	OCE
7D Other	330C2R3		1.65e+0 ng/dscm 7%O2	2.64e-8 lbs/hr	OCE
7D Total	330C1R1		3.65e+0 ng/dscm 7%O2	5.48e-8 lbs/hr	CE7%O2
7D Total	330C1R2		1.65e+0 ng/dscm 7%O2	2.53e-8 lbs/hr	CE7%O2
7D Total	330C1R3		2.48e-1 ng/dscm 7%O2	3.86e-9 lbs/hr	CE7%O2
7D Total	330C2R2		8.89e+0 ng/dscm 7%O2	1.21e-7 lbs/hr	CE7%O2
7D Total	330C2R3		3.31e+0 ng/dscm 7%O2	5.29e-8 lbs/hr	CE7%O2
7F 1234678	330C1R1		3.46e+0 ng/dscm 7%O2	5.20e-8 lbs/hr	CE7%O2
7F 1234678	330C1R2		4.60e+0 ng/dscm 7%O2	7.04e-8 lbs/hr	CE7%O2
7F 1234678	330C1R3	2	6.82e-1 ng/dscm 7%O2	1.06e-8 lbs/hr	CE7%O2
7F 1234678	330C2R2		2.01e+0 ng/dscm 7%O2	2.74e-8 lbs/hr	CE7%O2
7F 1234678	330C2R3		8.42e+0 ng/dscm 7%O2	1.35e-7 lbs/hr	CE7%O2
7F 1234789	330C1R1		5.59e-1 ng/dscm 7%O2	8.39e-9 lbs/hr	CE7%O2
7F 1234789	330C1R2		1.19e+0 ng/dscm 7%O2	1.82e-8 lbs/hr	CE7%O2
7F 1234789	330C1R3		2.33e-1 ng/dscm 7%O2	3.64e-9 lbs/hr	CE7%O2
7F 1234789	330C2R2		3.78e-1 ng/dscm 7%O2	5.15e-9 lbs/hr	CE7%O2
7F 1234789	330C2R3		1.58e+0 ng/dscm 7%O2	2.53e-8 lbs/hr	CE7%O2
7F Other	330C1R1		2.90e+0 ng/dscm 7%O2	4.36e-8 lbs/hr	OCE
7F Other	330C1R2		3.67e+0 ng/dscm 7%O2	5.61e-8 lbs/hr	OCE
7F Other	330C1R3		-2.33e-1 ng/dscm 7%O2	-3.64e-9 lbs/hr	OCE
7F Other	330C2R2		1.59e+0 ng/dscm 7%O2	2.17e-8 lbs/hr	OCE
7F Other	330C2R3		6.28e+0 ng/dscm 7%O2	1.01e-7 lbs/hr	OCE
7F Total	330C1R1		6.93e+0 ng/dscm 7%O2	1.04e-7 lbs/hr	CE7%O2
7F Total	330C1R2		9.46e+0 ng/dscm 7%O2	1.45e-7 lbs/hr	CE7%O2
7F Total	330C1R3		6.82e-1 ng/dscm 7%O2	1.06e-8 lbs/hr	CE7%O2
7F Total	330C2R2		3.99e+0 ng/dscm 7%O2	5.43e-8 lbs/hr	CE7%O2
7F Total	330C2R3		1.63e+1 ng/dscm 7%O2	2.60e-7 lbs/hr	CE7%O2
8D	330C1R1		2.57e+0 ng/dscm 7%O2	3.86e-8 lbs/hr	CE7%O2
8D	330C1R2		1.08e+0 ng/dscm 7%O2	1.65e-8 lbs/hr	CE7%O2
8D	330C1R3		6.10e-1 ng/dscm 7%O2	9.52e-9 lbs/hr	CE7%O2
8D	330C2R2		9.06e+0 ng/dscm 7%O2	1.24e-7 lbs/hr	CE7%O2
8D	330C2R3		1.47e+0 ng/dscm 7%O2	2.35e-8 lbs/hr	CE7%O2
8F	330C1R1		2.76e+0 ng/dscm 7%O2	4.14e-8 lbs/hr	CE7%O2
8F	330C1R2	2	9.35e-1 ng/dscm 7%O2	1.43e-8 lbs/hr	CE7%O2
8F	330C1R3		4.31e-1 ng/dscm 7%O2	6.72e-9 lbs/hr	CE7%O2
8F	330C2R2		8.81e-1 ng/dscm 7%O2	1.20e-8 lbs/hr	CE7%O2
8F	330C2R3		1.32e+0 ng/dscm 7%O2	2.12e-8 lbs/hr	CE7%O2
TEQ	330C1R1		9.45e+0 ng/dscm 7%O2	1.42e-7 lbs/hr	CCET
TEQ	330C1R2		7.65e+1 ng/dscm 7%O2	1.17e-6 lbs/hr	CCET
TEQ	330C1R3		1.45e+1 ng/dscm 7%O2	2.26e-7 lbs/hr	CCET
TEQ	330C2R2		3.85e+0 ng/dscm 7%O2	5.25e-8 lbs/hr	CCET
TEQ	330C2R3		7.32e+1 ng/dscm 7%O2	1.17e-6 lbs/hr	CCET
Total PCDD/PCDF	330C1R1		2.03e+2 ng/dscm 7%O2	3.05e-6 lbs/hr	CCET
Total PCDD/PCDF	330C1R2		1.23e+3 ng/dscm 7%O2	1.88e-5 lbs/hr	CCET
Total PCDD/PCDF	330C1R3		1.92e+2 ng/dscm 7%O2	2.99e-6 lbs/hr	CCET
Total PCDD/PCDF	330C2R2		9.92e+1 ng/dscm 7%O2	1.35e-6 lbs/hr	CCET
Total PCDD/PCDF	330C2R3		1.01e+3 ng/dscm 7%O2	1.61e-5 lbs/hr	CCET

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: MA
 3. CITY: PITTSFIELD
 4. EP ID: 330 DEVICE NAME:

EPA ID: MAD002084093
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: QT/WS/DM

REGION: 1

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	330C1B1	3.00e+1 ppmv 7%O2	7.50e-1 lbs/hr	7%O2
HCl	330C1B2	6.90e+1 ppmv 7%O2	1.73e+0 lbs/hr	7%O2
HCl	330C1B3	5.07e+1 ppmv 7%O2	1.27e+0 lbs/hr	7%O2
HCl	330C1R7	4.64e+1 ppmv 7%O2	1.11e+0 lbs/hr	7%O2
HCl	330C1R8	5.87e+1 ppmv 7%O2	1.41e+0 lbs/hr	7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	330C1R4	ND 3.01e+1 ug/dscm 7%O2	4.54e-4 lbs/hr	7%O2
Antimony	330C1R5	ND 2.87e+1 ug/dscm 7%O2	4.46e-4 lbs/hr	7%O2
Antimony	330C1R6	ND 3.28e+1 ug/dscm 7%O2	5.13e-4 lbs/hr	7%O2
Antimony	330C2R5	ND 1.39e+1 ug/dscm 7%O2	2.14e-4 lbs/hr	7%O2
Antimony	330C2R6	ND 1.34e+1 ug/dscm 7%O2	2.12e-4 lbs/hr	7%O2
Arsenic	330C1R4	ND 3.80e+0 ug/dscm 7%O2	5.72e-5 lbs/hr	7%O2
Arsenic	330C1R5	ND 2.67e+0 ug/dscm 7%O2	4.16e-5 lbs/hr	7%O2
Arsenic	330C1R6	ND 4.15e+0 ug/dscm 7%O2	6.50e-5 lbs/hr	7%O2
Arsenic	330C2R5	ND 2.98e+0 ug/dscm 7%O2	4.60e-5 lbs/hr	7%O2
Arsenic	330C2R6	ND 3.08e+0 ug/dscm 7%O2	4.89e-5 lbs/hr	7%O2
Barium	330C1R4	1.43e+2 ug/dscm 7%O2	2.16e-3 lbs/hr	7%O2
Barium	330C1R5	1.09e+2 ug/dscm 7%O2	1.69e-3 lbs/hr	7%O2
Barium	330C1R6	1.52e+2 ug/dscm 7%O2	2.38e-3 lbs/hr	7%O2
Barium	330C2R5	5.84e+1 ug/dscm 7%O2	8.95e-4 lbs/hr	7%O2
Barium	330C2R6	6.04e+1 ug/dscm 7%O2	9.58e-4 lbs/hr	7%O2
Beryllium	330C1R4	ND 1.17e-1 ug/dscm 7%O2	1.70e-6 lbs/hr	7%O2
Beryllium	330C1R5	ND 1.13e-1 ug/dscm 7%O2	1.70e-6 lbs/hr	7%O2
Beryllium	330C1R6	ND 1.30e-1 ug/dscm 7%O2	2.00e-6 lbs/hr	7%O2
Beryllium	330C2R5	ND 6.14e-2 ug/dscm 7%O2	8.00e-7 lbs/hr	7%O2
Beryllium	330C2R6	ND 9.57e-2 ug/dscm 7%O2	1.40e-6 lbs/hr	7%O2
Cadmium	330C1R4	1.96e+1 ug/dscm 7%O2	2.95e-4 lbs/hr	7%O2
Cadmium	330C1R5	1.35e+1 ug/dscm 7%O2	2.09e-4 lbs/hr	7%O2
Cadmium	330C1R6	1.98e+1 ug/dscm 7%O2	3.09e-4 lbs/hr	7%O2
Cadmium	330C2R5	3.29e+1 ug/dscm 7%O2	5.06e-4 lbs/hr	7%O2
Cadmium	330C2R6	3.42e+1 ug/dscm 7%O2	5.43e-4 lbs/hr	7%O2
Chromium	330C1R4	3.31e+1 ug/dscm 7%O2	4.99e-4 lbs/hr	7%O2
Chromium	330C1R5	2.35e+1 ug/dscm 7%O2	3.65e-4 lbs/hr	7%O2
Chromium	330C1R6	2.97e+1 ug/dscm 7%O2	4.65e-4 lbs/hr	7%O2
Chromium	330C2R5	2.61e+1 ug/dscm 7%O2	4.01e-4 lbs/hr	7%O2
Chromium	330C2R6	2.05e+1 ug/dscm 7%O2	3.25e-4 lbs/hr	7%O2
Lead	330C1R4	4.16e+2 ug/dscm 7%O2	6.28e-3 lbs/hr	7%O2
Lead	330C1R5	3.11e+2 ug/dscm 7%O2	4.83e-3 lbs/hr	7%O2
Lead	330C1R6	4.74e+2 ug/dscm 7%O2	7.42e-3 lbs/hr	7%O2
Lead	330C2R5	2.20e+2 ug/dscm 7%O2	3.38e-3 lbs/hr	7%O2
Lead	330C2R6	2.01e+2 ug/dscm 7%O2	3.19e-3 lbs/hr	7%O2
Mercury	330C1R4	ND 4.69e+0 ug/dscm 7%O2	7.08e-5 lbs/hr	7%O2
Mercury	330C1R5	ND 4.49e+0 ug/dscm 7%O2	6.97e-5 lbs/hr	7%O2
Mercury	330C1R6	ND 4.65e+0 ug/dscm 7%O2	7.29e-5 lbs/hr	7%O2
Mercury	330C2R5	8.31e+0 ug/dscm 7%O2	1.28e-4 lbs/hr	7%O2
Mercury	330C2R6	ND 3.23e+0 ug/dscm 7%O2	5.12e-5 lbs/hr	7%O2
Nickel	330C1R4	ND 5.66e+1 ug/dscm 7%O2	8.53e-4 lbs/hr	7%O2
Nickel	330C1R5	ND 3.86e+1 ug/dscm 7%O2	6.00e-4 lbs/hr	7%O2
Nickel	330C1R6	ND 4.45e+1 ug/dscm 7%O2	6.97e-4 lbs/hr	7%O2
Nickel	330C2R5	8.43e+1 ug/dscm 7%O2	1.29e-3 lbs/hr	7%O2
Nickel	330C2R6	6.64e+1 ug/dscm 7%O2	1.05e-3 lbs/hr	7%O2
Selenium	330C1R4	ND 1.21e+0 ug/dscm 7%O2	1.81e-5 lbs/hr	7%O2
Selenium	330C1R5	ND 1.15e+0 ug/dscm 7%O2	1.78e-5 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: MA
 3. CITY: PITTSFIELD
 4. EP ID: 330 DEVICE NAME:

EPA MAD002084093
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: QT/WS/DM

REGION: 1

Selenium	330C1R6	ND	1.31e+0	ug/dscm	7%O2	2.05e-5	lbs/hr	7%O2
Selenium	330C2R5	ND	6.39e-1	ug/dscm	7%O2	9.90e-6	lbs/hr	7%O2
Selenium	330C2R6	ND	5.98e-1	ug/dscm	7%O2	9.40e-6	lbs/hr	7%O2
Thallium	330C1R4	ND	1.21e+0	ug/dscm	7%O2	1.81e-5	lbs/hr	7%O2
Thallium	330C1R5	ND	1.15e+0	ug/dscm	7%O2	1.78e-5	lbs/hr	7%O2
Thallium	330C1R6	ND	1.36e+0	ug/dscm	7%O2	2.12e-5	lbs/hr	7%O2
Thallium	330C2R5	ND	6.26e-1	ug/dscm	7%O2	9.68e-6	lbs/hr	7%O2
Thallium	330C2R6	ND	5.98e-1	ug/dscm	7%O2	9.40e-6	lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	330C1R4	2.61e-2 gr/dscf 7%O2	9.00e-1 lbs/hr	
Particulate	330C1R5	1.59e-2 gr/dscf 7%O2	5.60e-1 lbs/hr	
Particulate	330C1R6	2.60e-2 gr/dscf 7%O2	9.30e-1 lbs/hr	
Particulate	330C2R4	5.82e-2 gr/dscf 7%O2	2.06e+0 lbs/hr	
Particulate	330C2R5	5.66e-2 gr/dscf 7%O2	1.99e+0 lbs/hr	
Particulate	330C2R6	6.32e-2 gr/dscf 7%O2	2.29e+0 lbs/hr	

7. Category: PCB

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
PCBs	330C1R1	3.93e+1 ng/dscm 7%O2	5.90e-7 lbs/hr	CC7%O2
PCBs	330C1R2	3.57e+4 ng/dscm 7%O2	5.45e-4 lbs/hr	CC7%O2
PCBs	330C1R3	8.33e+3 ng/dscm 7%O2	1.30e-4 lbs/hr	CC7%O2
PCBs	330C2R1	2.08e+3 ng/dscm 7%O2	3.02e-5 lbs/hr	CC7%O2
PCBs	330C2R2	2.06e+3 ng/dscm 7%O2	2.80e-5 lbs/hr	CC7%O2
PCBs	330C2R3	3.97e+4 ng/dscm 7%O2	6.35e-4 lbs/hr	CC7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,3,5-Tetrachlorobenzene	330C1R1	ND 5.73e+2 ng/dscm 7%O2	8.60e-6 lbs/hr	CC7%O2
1,2,3,5-Tetrachlorobenzene	330C1R2	ND 4.78e+2 ng/dscm 7%O2	7.31e-6 lbs/hr	CC7%O2
1,2,3,5-Tetrachlorobenzene	330C1R3	ND 4.59e+2 ng/dscm 7%O2	7.16e-6 lbs/hr	CC7%O2
1,2,3,5-Tetrachlorobenzene	330C2R1	ND 8.16e+2 ng/dscm 7%O2	1.19e-5 lbs/hr	CC7%O2
1,2,3,5-Tetrachlorobenzene	330C2R2	ND 8.27e+2 ng/dscm 7%O2	1.13e-5 lbs/hr	CC7%O2
1,2,3,5-Tetrachlorobenzene	330C2R3	ND 7.61e+2 ng/dscm 7%O2	1.22e-5 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C1R1	ND 4.86e+2 ng/dscm 7%O2	7.29e-6 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C1R2	ND 4.06e+2 ng/dscm 7%O2	6.21e-6 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C1R3	ND 3.88e+2 ng/dscm 7%O2	6.04e-6 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C2R1	ND 7.76e+2 ng/dscm 7%O2	1.13e-5 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C2R2	ND 7.81e+2 ng/dscm 7%O2	1.06e-5 lbs/hr	CC7%O2
1,2,4-Trichlorobenzene	330C2R3	ND 7.17e+2 ng/dscm 7%O2	1.15e-5 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.
 2. STATE: NY
 3. CITY: WATERFORD EPA NYD002080034 REGION: 2
 4. EP ID: 825 DEVICE NAME: ROTARY KILN INCINER SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: CCS/QC/ESP

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 Total	825C1R1	ND 1.87e+0 ng/dscm 7%O2	7.75e-8 lbs/hr	CE7%O2
4D Total	825C1R2	ND 1.94e+0 ng/dscm 7%O2	7.86e-8 lbs/hr	CE7%O2
4D Total	825C1R3	ND 1.94e+0 ng/dscm 7%O2	7.57e-8 lbs/hr	CE7%O2
4D Total	825C1R4	ND 1.89e+0 ng/dscm 7%O2	7.55e-8 lbs/hr	CE7%O2
4F Total	825C1R1	ND 1.87e+0 ng/dscm 7%O2	7.75e-8 lbs/hr	CE7%O2
4F Total	825C1R2	ND 1.94e+0 ng/dscm 7%O2	7.86e-8 lbs/hr	CE7%O2
4F Total	825C1R3	ND 1.94e+0 ng/dscm 7%O2	7.57e-8 lbs/hr	CE7%O2
4F Total	825C1R4	ND 1.89e+0 ng/dscm 7%O2	7.55e-8 lbs/hr	CE7%O2

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	825C1R1	7.82e+0 ppmv 7%O2	4.90e-1 lbs/hr	CC7%O2
HCl	825C1R2	1.97e+0 ppmv 7%O2	1.20e-1 lbs/hr	CC7%O2
HCl	825C1R3	2.72e+0 ppmv 7%O2	1.60e-1 lbs/hr	CC7%O2
HCl	825C1R4	1.83e+0 ppmv 7%O2	1.10e-1 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	825C1R1	8.00e-2 gr/dscf 7%O2	7.60e+0 lbs/hr	CE
Particulate	825C1R2	8.00e-2 gr/dscf 7%O2	7.40e+0 lbs/hr	CE
Particulate	825C1R3	7.00e-2 gr/dscf 7%O2	6.24e+0 lbs/hr	CE
Particulate	825C1R4	3.00e-2 gr/dscf 7%O2	2.74e+0 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,4-Trichlorobenzene	825C1R1	7.47e+2 ng/dscm 7%O2	3.10e-5 lbs/hr	CE7%O2
1,2,4-Trichlorobenzene	825C1R2	ND 9.72e+2 ng/dscm 7%O2	3.93e-5 lbs/hr	CE7%O2
1,2,4-Trichlorobenzene	825C1R3	ND 9.72e+2 ng/dscm 7%O2	3.78e-5 lbs/hr	CE7%O2
1,2,4-Trichlorobenzene	825C1R4	5.68e+2 ng/dscm 7%O2	2.26e-5 lbs/hr	CE7%O2
2,4,6-Trichlorophenol	825C1R1	ND 5.60e+2 ng/dscm 7%O2	2.32e-5 lbs/hr	CE7%O2
2,4,6-Trichlorophenol	825C1R2	ND 5.83e+2 ng/dscm 7%O2	2.36e-5 lbs/hr	CE7%O2
2,4,6-Trichlorophenol	825C1R3	ND 5.83e+2 ng/dscm 7%O2	2.27e-5 lbs/hr	CE7%O2
2,4,6-Trichlorophenol	825C1R4	ND 5.68e+2 ng/dscm 7%O2	2.26e-5 lbs/hr	CE7%O2
2,4-Dichlorophenol	825C1R1	ND 1.87e+3 ng/dscm 7%O2	7.75e-5 lbs/hr	CE7%O2
2,4-Dichlorophenol	825C1R2	ND 1.94e+3 ng/dscm 7%O2	7.86e-5 lbs/hr	CE7%O2
2,4-Dichlorophenol	825C1R3	ND 1.94e+3 ng/dscm 7%O2	7.57e-5 lbs/hr	CE7%O2
2,4-Dichlorophenol	825C1R4	ND 1.89e+3 ng/dscm 7%O2	7.55e-5 lbs/hr	CE7%O2
2-Chloronaphthalene	825C1R1	ND 9.33e+2 ng/dscm 7%O2	3.87e-5 lbs/hr	CE7%O2
2-Chloronaphthalene	825C1R2	ND 9.72e+2 ng/dscm 7%O2	3.93e-5 lbs/hr	CE7%O2
2-Chloronaphthalene	825C1R3	ND 9.72e+2 ng/dscm 7%O2	3.78e-5 lbs/hr	CE7%O2
2-Chloronaphthalene	825C1R4	ND 9.46e+2 ng/dscm 7%O2	3.77e-5 lbs/hr	CE7%O2
2-Chlorophenol	825C1R1	ND 1.87e+3 ng/dscm 7%O2	7.75e-5 lbs/hr	CE7%O2
2-Chlorophenol	825C1R2	ND 1.94e+3 ng/dscm 7%O2	7.86e-5 lbs/hr	CE7%O2
2-Chlorophenol	825C1R3	ND 1.94e+3 ng/dscm 7%O2	7.57e-5 lbs/hr	CE7%O2
2-Chlorophenol	825C1R4	ND 1.89e+3 ng/dscm 7%O2	7.55e-5 lbs/hr	CE7%O2
3,3-Dichlorobenzidine	825C1R1	ND 1.87e+4 ng/dscm 7%O2	7.75e-4 lbs/hr	CE7%O2
3,3-Dichlorobenzidine	825C1R2	ND 1.94e+4 ng/dscm 7%O2	7.86e-4 lbs/hr	CE7%O2
3,3-Dichlorobenzidine	825C1R3	ND 1.94e+4 ng/dscm 7%O2	7.57e-4 lbs/hr	CE7%O2
3,3-Dichlorobenzidine	825C1R4	ND 1.89e+4 ng/dscm 7%O2	7.54e-4 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.

2. STATE: NY

3. CITY: WATERFORD

EPA ID: NYD002080034

REGION: 2

4. EP ID: 825 DEVICE NAME: ROTARY KILN INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: CCS/QC/ESP

4-Chloro-3-methylphenol	825C1R1	ND	9.33e+2	ng/dscm	7%O2	3.87e-5	lbs/hr	CE7%O2
4-Chloro-3-methylphenol	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
4-Chloro-3-methylphenol	825C1R3	ND	9.72e+2	ng/dscm	7%O2	3.78e-5	lbs/hr	CE7%O2
4-Chloro-3-methylphenol	825C1R4	ND	9.46e+2	ng/dscm	7%O2	3.77e-5	lbs/hr	CE7%O2
4-Chlorophenyl-phenylether	825C1R1	ND	1.87e+3	ng/dscm	7%O2	7.75e-5	lbs/hr	CE7%O2
4-Chlorophenyl-phenylether	825C1R2	ND	1.94e+3	ng/dscm	7%O2	7.86e-5	lbs/hr	CE7%O2
4-Chlorophenyl-phenylether	825C1R3	ND	1.94e+3	ng/dscm	7%O2	7.57e-5	lbs/hr	CE7%O2
4-Chlorophenyl-phenylether	825C1R4	ND	1.89e+3	ng/dscm	7%O2	7.55e-5	lbs/hr	CE7%O2
bis(2-chloroethoxy) Methane	825C1R1	ND	3.73e+3	ng/dscm	7%O2	1.55e-4	lbs/hr	CE7%O2
bis(2-chloroethoxy) Methane	825C1R2	ND	3.89e+3	ng/dscm	7%O2	1.57e-4	lbs/hr	CE7%O2
bis(2-chloroethoxy) Methane	825C1R3	ND	3.89e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
bis(2-chloroethoxy) Methane	825C1R4	ND	3.78e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
bis(2-chloroethyl) Ether	825C1R1	ND	3.73e+3	ng/dscm	7%O2	1.55e-4	lbs/hr	CE7%O2
bis(2-chloroethyl) Ether	825C1R2	ND	3.89e+3	ng/dscm	7%O2	1.57e-4	lbs/hr	CE7%O2
bis(2-chloroethyl) Ether	825C1R3	ND	3.89e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
bis(2-chloroethyl) Ether	825C1R4	ND	3.78e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
bis(2-chloroisopropyl) Ether	825C1R1	ND	3.73e+3	ng/dscm	7%O2	1.55e-4	lbs/hr	CE7%O2
bis(2-chloroisopropyl) Ether	825C1R2	ND	3.89e+3	ng/dscm	7%O2	1.57e-4	lbs/hr	CE7%O2
bis(2-chloroisopropyl) Ether	825C1R3	ND	3.89e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
bis(2-chloroisopropyl) Ether	825C1R4	ND	3.78e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
Ethylbenzene	825C1R1	ND	1.68e+3	ng/dscm	7%O2	6.97e-5	lbs/hr	CE7%O2
Ethylbenzene	825C1R2	ND	1.56e+3	ng/dscm	7%O2	6.29e-5	lbs/hr	CE7%O2
Ethylbenzene	825C1R3	ND	1.75e+3	ng/dscm	7%O2	6.81e-5	lbs/hr	CE7%O2
Ethylbenzene	825C1R4	ND	1.70e+3	ng/dscm	7%O2	6.79e-5	lbs/hr	CE7%O2
Hexachlorobenzene	825C1R1	ND	8.21e+3	ng/dscm	7%O2	3.41e-4	lbs/hr	CE7%O2
Hexachlorobenzene	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
Hexachlorobenzene	825C1R3	ND	9.72e+2	ng/dscm	7%O2	3.78e-5	lbs/hr	CE7%O2
Hexachlorobenzene	825C1R4	ND	9.46e+2	ng/dscm	7%O2	3.77e-5	lbs/hr	CE7%O2
Hexachlorocyclopentadiene	825C1R1	ND	5.60e+2	ng/dscm	7%O2	2.32e-5	lbs/hr	CE7%O2
Hexachlorocyclopentadiene	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
Hexachlorocyclopentadiene	825C1R3	ND	7.78e+2	ng/dscm	7%O2	3.03e-5	lbs/hr	CE7%O2
Hexachlorocyclopentadiene	825C1R4	ND	9.46e+2	ng/dscm	7%O2	3.77e-5	lbs/hr	CE7%O2
Hexachloroethane	825C1R1	ND	1.87e+3	ng/dscm	7%O2	7.75e-5	lbs/hr	CE7%O2
Hexachloroethane	825C1R2	ND	1.94e+3	ng/dscm	7%O2	7.86e-5	lbs/hr	CE7%O2
Hexachloroethane	825C1R3	ND	1.94e+3	ng/dscm	7%O2	7.57e-5	lbs/hr	CE7%O2
Hexachloroethane	825C1R4	ND	1.89e+3	ng/dscm	7%O2	7.55e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	825C1R2	ND	1.94e+2	ng/dscm	7%O2	7.86e-6	lbs/hr	CE7%O2
p-Dichlorobenzene	825C1R3	ND	3.89e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	825C1R4	ND	1.89e+2	ng/dscm	7%O2	7.54e-6	lbs/hr	CE7%O2
Pentachlorophenol	825C1R1	ND	3.73e+3	ng/dscm	7%O2	1.55e-4	lbs/hr	CE7%O2
Pentachlorophenol	825C1R2	ND	3.89e+3	ng/dscm	7%O2	1.57e-4	lbs/hr	CE7%O2
Pentachlorophenol	825C1R3	ND	3.89e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
Pentachlorophenol	825C1R4	ND	3.78e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
Tetrachlorobenzene	825C1R1	ND	6.35e+3	ng/dscm	7%O2	2.63e-4	lbs/hr	CE7%O2
Tetrachlorobenzene	825C1R2	ND	2.33e+3	ng/dscm	7%O2	9.43e-5	lbs/hr	CE7%O2
Tetrachlorobenzene	825C1R3	ND	7.58e+3	ng/dscm	7%O2	2.95e-4	lbs/hr	CE7%O2
Tetrachlorobenzene	825C1R4	ND	4.54e+3	ng/dscm	7%O2	1.81e-4	lbs/hr	CE7%O2
Trichlorobenzene	825C1R1	ND	1.03e+3	ng/dscm	7%O2	4.26e-5	lbs/hr	CE7%O2
Trichlorobenzene	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
Trichlorobenzene	825C1R3	ND	9.72e+2	ng/dscm	7%O2	3.78e-5	lbs/hr	CE7%O2
Trichlorobenzene	825C1R4	ND	9.84e+2	ng/dscm	7%O2	3.92e-5	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	825C1R1	1.87e+4 ng/dscm 7%O2	7.75e-4 lbs/hr	CE7%O2
1,1,1-Trichloroethane	825C1R2	3.31e+4 ng/dscm 7%O2	1.34e-3 lbs/hr	CE7%O2
1,1,1-Trichloroethane	825C1R3	2.33e+4 ng/dscm 7%O2	9.08e-4 lbs/hr	CE7%O2
1,1,1-Trichloroethane	825C1R4	3.41e+4 ng/dscm 7%O2	1.36e-3 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.

2. STATE: NY

3. CITY: WATERFORD

EPA ID: NYD002080034

REGION: 2

4. EP ID: 825 DEVICE NAME: ROTARY KILN INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: CCS/QC/ESP

1,1,2,2-Tetrachloroethane	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	825C1R2	ND	3.89e+2	ng/dscm	7%O2	1.57e-5	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	825C1R3	ND	3.89e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	825C1R4	ND	3.78e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
1,1,2-Trichloroethane	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
1,1,2-Trichloroethane	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
1,1,2-Trichloroethane	825C1R3	ND	3.89e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
1,1,2-Trichloroethane	825C1R4	ND	3.78e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
1,1-Dichloroethane	825C1R1	ND	1.87e+3	ng/dscm	7%O2	7.75e-5	lbs/hr	CE7%O2
1,1-Dichloroethane	825C1R2	ND	2.53e+3	ng/dscm	7%O2	1.02e-4	lbs/hr	CE7%O2
1,1-Dichloroethane	825C1R3	ND	2.33e+3	ng/dscm	7%O2	9.08e-5	lbs/hr	CE7%O2
1,1-Dichloroethane	825C1R4	ND	4.16e+3	ng/dscm	7%O2	1.66e-4	lbs/hr	CE7%O2
1,1-Dichloroethene	825C1R1	ND	1.87e+3	ng/dscm	7%O2	7.75e-5	lbs/hr	CE7%O2
1,1-Dichloroethene	825C1R2	ND	1.75e+3	ng/dscm	7%O2	7.07e-5	lbs/hr	CE7%O2
1,1-Dichloroethene	825C1R3	ND	1.56e+3	ng/dscm	7%O2	6.05e-5	lbs/hr	CE7%O2
1,1-Dichloroethene	825C1R4	ND	2.84e+3	ng/dscm	7%O2	1.13e-4	lbs/hr	CE7%O2
1,2-Dichloroethane	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
1,2-Dichloroethane	825C1R2	ND	3.89e+2	ng/dscm	7%O2	1.57e-5	lbs/hr	CE7%O2
1,2-Dichloroethane	825C1R3	ND	7.78e+2	ng/dscm	7%O2	3.03e-5	lbs/hr	CE7%O2
1,2-Dichloroethane	825C1R4	ND	2.08e+3	ng/dscm	7%O2	8.30e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	825C1R1	ND	9.33e+2	ng/dscm	7%O2	3.87e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	825C1R2	ND	9.72e+2	ng/dscm	7%O2	3.93e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	825C1R3	ND	9.72e+2	ng/dscm	7%O2	3.78e-5	lbs/hr	CE7%O2
1,2-Dichloropropane	825C1R4	ND	9.46e+2	ng/dscm	7%O2	3.77e-5	lbs/hr	CE7%O2
2-Chloroethyl Vinyl Ether	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
2-Chloroethyl Vinyl Ether	825C1R2	ND	3.89e+2	ng/dscm	7%O2	1.57e-5	lbs/hr	CE7%O2
2-Chloroethyl Vinyl Ether	825C1R3	ND	3.89e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
2-Chloroethyl Vinyl Ether	825C1R4	ND	3.78e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
Benzene	825C1R1	ND	4.11e+4	ng/dscm	7%O2	1.70e-3	lbs/hr	CE7%O2
Benzene	825C1R2	ND	4.47e+4	ng/dscm	7%O2	1.81e-3	lbs/hr	CE7%O2
Benzene	825C1R3	ND	2.14e+4	ng/dscm	7%O2	8.32e-4	lbs/hr	CE7%O2
Benzene	825C1R4	ND	2.65e+4	ng/dscm	7%O2	1.06e-3	lbs/hr	CE7%O2
Bromodichloromethane	825C1R1	ND	8.77e+3	ng/dscm	7%O2	3.64e-4	lbs/hr	CE7%O2
Bromodichloromethane	825C1R2	ND	1.09e+4	ng/dscm	7%O2	4.40e-4	lbs/hr	CE7%O2
Bromodichloromethane	825C1R3	ND	1.61e+4	ng/dscm	7%O2	6.28e-4	lbs/hr	CE7%O2
Bromodichloromethane	825C1R4	ND	1.89e+4	ng/dscm	7%O2	7.54e-4	lbs/hr	CE7%O2
Bromoform	825C1R1	ND	3.55e+3	ng/dscm	7%O2	1.47e-4	lbs/hr	CE7%O2
Bromoform	825C1R2	ND	1.17e+3	ng/dscm	7%O2	4.72e-5	lbs/hr	CE7%O2
Bromoform	825C1R3	ND	4.28e+3	ng/dscm	7%O2	1.66e-4	lbs/hr	CE7%O2
Bromoform	825C1R4	ND	2.27e+3	ng/dscm	7%O2	9.05e-5	lbs/hr	CE7%O2
Bromomethane	825C1R1	ND	3.75e+5	ng/dscm	7%O2	1.56e-2	lbs/hr	CE7%O2
Bromomethane	825C1R2	ND	1.94e+3	ng/dscm	7%O2	7.86e-5	lbs/hr	CE7%O2
Bromomethane	825C1R3	ND	6.42e+3	ng/dscm	7%O2	2.50e-4	lbs/hr	CE7%O2
Bromomethane	825C1R4	ND	4.54e+3	ng/dscm	7%O2	1.81e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	825C1R1	ND	5.04e+4	ng/dscm	7%O2	2.09e-3	lbs/hr	CE7%O2
Carbon Tetrachloride	825C1R2	ND	3.11e+4	ng/dscm	7%O2	1.26e-3	lbs/hr	CE7%O2
Carbon Tetrachloride	825C1R3	ND	2.33e+4	ng/dscm	7%O2	9.08e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	825C1R4	ND	2.27e+4	ng/dscm	7%O2	9.05e-4	lbs/hr	CE7%O2
Chlorobenzene	825C1R1	ND	1.64e+4	ng/dscm	7%O2	6.82e-4	lbs/hr	CE7%O2
Chlorobenzene	825C1R2	ND	2.53e+4	ng/dscm	7%O2	1.02e-3	lbs/hr	CE7%O2
Chlorobenzene	825C1R3	ND	2.33e+4	ng/dscm	7%O2	9.08e-4	lbs/hr	CE7%O2
Chlorobenzene	825C1R4	ND	2.08e+4	ng/dscm	7%O2	8.30e-4	lbs/hr	CE7%O2
Chloroethane	825C1R1	ND	3.73e+3	ng/dscm	7%O2	1.55e-4	lbs/hr	CE7%O2
Chloroethane	825C1R2	ND	1.75e+3	ng/dscm	7%O2	7.07e-5	lbs/hr	CE7%O2
Chloroethane	825C1R3	ND	4.47e+3	ng/dscm	7%O2	1.74e-4	lbs/hr	CE7%O2
Chloroethane	825C1R4	ND	2.08e+3	ng/dscm	7%O2	8.30e-5	lbs/hr	CE7%O2
Chloroform	825C1R1	ND	9.89e+4	ng/dscm	7%O2	4.11e-3	lbs/hr	CE7%O2
Chloroform	825C1R2	ND	1.26e+5	ng/dscm	7%O2	5.11e-3	lbs/hr	CE7%O2
Chloroform	825C1R3	ND	1.89e+5	ng/dscm	7%O2	7.34e-3	lbs/hr	CE7%O2
Chloroform	825C1R4	ND	2.84e+5	ng/dscm	7%O2	1.13e-2	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GENERAL ELECTRIC CO.

2. STATE: NY

3. CITY: WATERFORD

EPA ID: NYD002080034

REGION: 2

4. EP ID: 825 DEVICE NAME: ROTARY KILN INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: CCS/QC/ESP

Chloromethane	825C1R1		5.23e+5	ng/dscm	7%O2	2.17e-2	lbs/hr	CE7%O2
Chloromethane	825C1R2		2.14e+4	ng/dscm	7%O2	8.65e-4	lbs/hr	CE7%O2
Chloromethane	825C1R3		2.92e+5	ng/dscm	7%O2	1.13e-2	lbs/hr	CE7%O2
Chloromethane	825C1R4		4.92e+4	ng/dscm	7%O2	1.96e-3	lbs/hr	CE7%O2
cis-1,3-Dichloropropane	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropane	825C1R2		1.17e+3	ng/dscm	7%O2	4.72e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropane	825C1R3	ND	5.83e+2	ng/dscm	7%O2	2.27e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropane	825C1R4	ND	1.32e+3	ng/dscm	7%O2	5.28e-5	lbs/hr	CE7%O2
Dibromochloromethane	825C1R1		1.12e+4	ng/dscm	7%O2	4.65e-4	lbs/hr	CE7%O2
Dibromochloromethane	825C1R2		1.17e+3	ng/dscm	7%O2	4.72e-5	lbs/hr	CE7%O2
Dibromochloromethane	825C1R3		3.89e+3	ng/dscm	7%O2	1.51e-4	lbs/hr	CE7%O2
Dibromochloromethane	825C1R4	ND	2.27e+3	ng/dscm	7%O2	9.05e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	825C1R1	ND	5.60e+2	ng/dscm	7%O2	2.32e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	825C1R2	ND	1.94e+2	ng/dscm	7%O2	7.86e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	825C1R3	ND	1.94e+2	ng/dscm	7%O2	7.57e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	825C1R4	ND	1.89e+2	ng/dscm	7%O2	7.54e-6	lbs/hr	CE7%O2
Methylene Chloride	825C1R1		1.03e+4	ng/dscm	7%O2	4.26e-4	lbs/hr	CE7%O2
Methylene Chloride	825C1R2		9.14e+3	ng/dscm	7%O2	3.69e-4	lbs/hr	CE7%O2
Methylene Chloride	825C1R3		1.05e+4	ng/dscm	7%O2	4.09e-4	lbs/hr	CE7%O2
Methylene Chloride	825C1R4		1.34e+4	ng/dscm	7%O2	5.36e-4	lbs/hr	CE7%O2
o-Dichlorobenzene	825C1R1	ND	3.73e+2	ng/dscm	7%O2	1.55e-5	lbs/hr	CE7%O2
o-Dichlorobenzene	825C1R2	ND	1.94e+2	ng/dscm	7%O2	7.86e-6	lbs/hr	CE7%O2
o-Dichlorobenzene	825C1R3	ND	3.89e+2	ng/dscm	7%O2	1.51e-5	lbs/hr	CE7%O2
o-Dichlorobenzene	825C1R4	ND	1.89e+2	ng/dscm	7%O2	7.54e-6	lbs/hr	CE7%O2
Tetrachloroethane	825C1R1		5.23e+3	ng/dscm	7%O2	2.17e-4	lbs/hr	CE7%O2
Tetrachloroethane	825C1R2		2.92e+3	ng/dscm	7%O2	1.18e-4	lbs/hr	CE7%O2
Tetrachloroethane	825C1R3		4.47e+3	ng/dscm	7%O2	1.74e-4	lbs/hr	CE7%O2
Tetrachloroethane	825C1R4		2.84e+3	ng/dscm	7%O2	1.13e-4	lbs/hr	CE7%O2
Toluene	825C1R1		1.49e+5	ng/dscm	7%O2	6.20e-3	lbs/hr	CE7%O2
Toluene	825C1R2		2.72e+4	ng/dscm	7%O2	1.10e-3	lbs/hr	CE7%O2
Toluene	825C1R3		1.77e+4	ng/dscm	7%O2	6.88e-4	lbs/hr	CE7%O2
Toluene	825C1R4		3.78e+4	ng/dscm	7%O2	1.51e-3	lbs/hr	CE7%O2
Total Xylene	825C1R1	ND	4.48e+3	ng/dscm	7%O2	1.86e-4	lbs/hr	CE7%O2
Total Xylene	825C1R2		1.36e+3	ng/dscm	7%O2	5.50e-5	lbs/hr	CE7%O2
Total Xylene	825C1R3		4.28e+3	ng/dscm	7%O2	1.66e-4	lbs/hr	CE7%O2
Total Xylene	825C1R4	ND	4.54e+3	ng/dscm	7%O2	1.81e-4	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	825C1R1		3.36e+4	ng/dscm	7%O2	1.39e-3	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	825C1R2		4.67e+4	ng/dscm	7%O2	1.89e-3	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	825C1R3		4.28e+4	ng/dscm	7%O2	1.66e-3	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	825C1R4		7.76e+4	ng/dscm	7%O2	3.09e-3	lbs/hr	CE7%O2
trans-1,3-Dichloropropane	825C1R1	ND	1.12e+3	ng/dscm	7%O2	4.65e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropane	825C1R2	ND	1.17e+3	ng/dscm	7%O2	4.72e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropane	825C1R3	ND	1.17e+3	ng/dscm	7%O2	4.54e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropane	825C1R4	ND	1.89e+3	ng/dscm	7%O2	7.55e-5	lbs/hr	CE7%O2
Trichloroethene	825C1R1		2.05e+3	ng/dscm	7%O2	8.52e-5	lbs/hr	CE7%O2
Trichloroethene	825C1R2		1.94e+3	ng/dscm	7%O2	7.86e-5	lbs/hr	CE7%O2
Trichloroethene	825C1R3		2.14e+3	ng/dscm	7%O2	8.32e-5	lbs/hr	CE7%O2
Trichloroethene	825C1R4		2.08e+3	ng/dscm	7%O2	8.30e-5	lbs/hr	CE7%O2
Vinyl Chloride	825C1R1		2.61e+4	ng/dscm	7%O2	1.08e-3	lbs/hr	CE7%O2
Vinyl Chloride	825C1R2		1.32e+4	ng/dscm	7%O2	5.34e-4	lbs/hr	CE7%O2
Vinyl Chloride	825C1R3		1.09e+4	ng/dscm	7%O2	4.24e-4	lbs/hr	CE7%O2
Vinyl Chloride	825C1R4	ND	1.06e+4	ng/dscm	7%O2	4.23e-4	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GLAXO INC.

2. STATE: NC

3. CITY: RESEARCH TRIANGLE PARK

EPA ID: NCD065655599

REGION: 4

4. EP ID: 341 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: DA/DI/FF/HEPA/CA

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: FIXED HEARTH

Location: STACK

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	341C1R1	1.31e+0 ppmv 7%O2	1.38e-2 lbs/hr	CC7%O2
HCl	341C1R2	1.70e+1 ppmv	4.18e-1 lbs/hr	CC
HCl	341C1R3	8.90e-1 ppmv	2.23e-2 lbs/hr	CC
HCl	341C2R1	1.34e+0 ppmv	3.32e-2 lbs/hr	CC
HCl	341C2R2	1.64e+0 ppmv	4.15e-2 lbs/hr	CC
HCl	341C2R3	1.78e+0 ppmv	4.38e-2 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	341C1R1	ND 8.10e-1 ug/dscm 7%O2	5.65e-6 lbs/hr	CC7%O2
Antimony	341C1R2	ND 3.46e-1 ug/dscm	5.63e-6 lbs/hr	CC
Antimony	341C1R3	ND 3.41e-1 ug/dscm	5.65e-6 lbs/hr	CC
Antimony	341C2R1	ND 3.44e-1 ug/dscm	5.63e-6 lbs/hr	CC
Antimony	341C2R2	ND 3.46e-1 ug/dscm	5.78e-6 lbs/hr	CC
Antimony	341C2R3	ND 3.53e-1 ug/dscm	5.76e-6 lbs/hr	CC
Arsenic	341C1R1	ND 8.10e-1 ug/dscm 7%O2	5.65e-6 lbs/hr	CC7%O2
Arsenic	341C1R2	ND 3.46e-1 ug/dscm	5.63e-6 lbs/hr	CC
Arsenic	341C1R3	ND 3.41e-1 ug/dscm	5.65e-6 lbs/hr	CC
Arsenic	341C2R1	ND 3.44e-1 ug/dscm	5.63e-6 lbs/hr	CC
Arsenic	341C2R2	ND 3.46e-1 ug/dscm	5.78e-6 lbs/hr	CC
Arsenic	341C2R3	ND 3.53e-1 ug/dscm	5.76e-6 lbs/hr	CC
Barium	341C1R1	ND 3.24e+1 ug/dscm 7%O2	2.26e-4 lbs/hr	CC7%O2
Barium	341C1R2	ND 1.38e+1 ug/dscm	2.25e-4 lbs/hr	CC
Barium	341C1R3	ND 1.36e+1 ug/dscm	2.26e-4 lbs/hr	CC
Barium	341C2R1	ND 1.37e+1 ug/dscm	2.25e-4 lbs/hr	CC
Barium	341C2R2	ND 1.38e+1 ug/dscm	2.31e-4 lbs/hr	CC
Barium	341C2R3	ND 1.41e+1 ug/dscm	2.30e-4 lbs/hr	CC
Beryllium	341C1R1	ND 8.10e-2 ug/dscm 7%O2	5.65e-7 lbs/hr	CC7%O2
Beryllium	341C1R2	ND 3.46e-2 ug/dscm	5.63e-7 lbs/hr	CC
Beryllium	341C1R3	ND 3.41e-2 ug/dscm	5.65e-7 lbs/hr	CC
Beryllium	341C2R1	ND 3.44e-2 ug/dscm	5.63e-7 lbs/hr	CC
Beryllium	341C2R2	ND 3.46e-2 ug/dscm	5.78e-7 lbs/hr	CC
Beryllium	341C2R3	ND 3.53e-2 ug/dscm	5.76e-7 lbs/hr	CC
Cadmium	341C1R1	ND 8.10e+0 ug/dscm 7%O2	5.65e-5 lbs/hr	CC7%O2
Cadmium	341C1R2	ND 3.46e+0 ug/dscm	5.63e-5 lbs/hr	CC
Cadmium	341C1R3	ND 3.41e+0 ug/dscm	5.65e-5 lbs/hr	CC
Cadmium	341C2R1	ND 3.44e+0 ug/dscm	5.63e-5 lbs/hr	CC
Cadmium	341C2R2	ND 3.46e+0 ug/dscm	5.78e-5 lbs/hr	CC
Cadmium	341C2R3	ND 3.53e+0 ug/dscm	5.76e-5 lbs/hr	CC
Chromium	341C1R1	ND 1.62e+1 ug/dscm 7%O2	1.13e-4 lbs/hr	CC7%O2
Chromium	341C1R2	ND 6.94e+0 ug/dscm	1.13e-4 lbs/hr	CC
Chromium	341C1R3	ND 6.82e+0 ug/dscm	1.13e-4 lbs/hr	CC
Chromium	341C2R1	ND 6.90e+0 ug/dscm	1.13e-4 lbs/hr	CC
Chromium	341C2R2	ND 6.94e+0 ug/dscm	1.16e-4 lbs/hr	CC
Chromium	341C2R3	ND 7.05e+0 ug/dscm	1.15e-4 lbs/hr	CC
Lead	341C1R1	ND 1.62e+1 ug/dscm 7%O2	1.13e-4 lbs/hr	CC7%O2
Lead	341C1R2	ND 1.38e+1 ug/dscm	2.25e-4 lbs/hr	CC
Lead	341C1R3	ND 6.82e+0 ug/dscm	1.13e-4 lbs/hr	CC
Lead	341C2R1	ND 6.90e+0 ug/dscm	1.13e-4 lbs/hr	CC
Lead	341C2R2	ND 6.94e+0 ug/dscm	1.16e-4 lbs/hr	CC
Lead	341C2R3	ND 7.05e+0 ug/dscm	1.15e-4 lbs/hr	CC
Mercury	341C1R1	ND 2.19e+0 ug/dscm 7%O2	1.53e-5 lbs/hr	CC7%O2
Mercury	341C1R2	ND 9.33e-1 ug/dscm	1.52e-5 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GLAXO INC.
 2. STATE: NC
 3. CITY: RESEARCH TRIANGLE PARK
 4. EP ID: 341 DEVICE NAME:

EPA NCD065655599
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 4
 APC SYSTEM: DA/DI/FF/HEPA/CA

Mercury	341C1R3	ND	9.17e-1	ug/dscm	1.52e-5	lbs/hr	CC
Mercury	341C2R1	ND	9.28e-1	ug/dscm	1.52e-5	lbs/hr	CC
Mercury	341C2R2	ND	9.33e-1	ug/dscm	1.56e-5	lbs/hr	CC
Mercury	341C2R3	ND	9.50e-1	ug/dscm	1.55e-5	lbs/hr	CC
Silver	341C1R1	ND	8.10e+0	ug/dscm 7%O2	5.65e-5	lbs/hr	CC7%O2
Silver	341C1R2	ND	3.46e+0	ug/dscm	5.63e-5	lbs/hr	CC
Silver	341C1R3	ND	3.41e+0	ug/dscm	5.65e-5	lbs/hr	CC
Silver	341C2R1	ND	3.44e+0	ug/dscm	5.63e-5	lbs/hr	CC
Silver	341C2R2	ND	3.46e+0	ug/dscm	5.78e-5	lbs/hr	CC
Silver	341C2R3	ND	3.53e+0	ug/dscm	5.76e-5	lbs/hr	CC
Thallium	341C1R1	ND	1.62e+1	ug/dscm 7%O2	1.13e-4	lbs/hr	CC7%O2
Thallium	341C1R2	ND	6.94e+0	ug/dscm	1.13e-4	lbs/hr	CC
Thallium	341C1R3	ND	6.82e+0	ug/dscm	1.13e-4	lbs/hr	CC
Thallium	341C2R1	ND	6.90e+0	ug/dscm	1.13e-4	lbs/hr	CC
Thallium	341C2R2	ND	6.94e+0	ug/dscm	1.16e-4	lbs/hr	CC
Thallium	341C2R3	ND	7.05e+0	ug/dscm	1.15e-4	lbs/hr	CC

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	341C1R1	1.76e-3 gr/dscf 7%O2	2.82e-2 lbs/hr	CE
Particulate	341C1R2	4.99e-3 gr/dscf 7%O2	0.00e+0	
Particulate	341C1R3	9.53e-4 gr/dscf 7%O2	0.00e+0	
Particulate	341C2R1	2.08e-3 gr/dscf 7%O2	0.00e+0	
Particulate	341C2R2	1.19e-3 gr/dscf 7%O2	0.00e+0	
Particulate	341C2R3	6.35e-4 gr/dscf 7%O2	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichlorobenzene	341C1R1	ND 3.02e+3 ng/dscm 7%O2	2.11e-5 lbs/hr	CC7%O2
1,2-Dichlorobenzene	341C1R2	ND 1.28e+3 ng/dscm	2.08e-5 lbs/hr	CC
1,2-Dichlorobenzene	341C1R3	ND 1.18e+3 ng/dscm	1.95e-5 lbs/hr	CC
1,2-Dichlorobenzene	341C2R1	2 2.99e+3 ng/dscm	4.90e-5 lbs/hr	CC
1,2-Dichlorobenzene	341C2R2	ND 5.66e+3 ng/dscm	9.46e-5 lbs/hr	CC
1,2-Dichlorobenzene	341C2R3	ND 5.94e+3 ng/dscm	9.68e-5 lbs/hr	CC
Hexachloroethane	341C1R1	ND 6.65e+3 ng/dscm 7%O2	4.64e-5 lbs/hr	CC7%O2
Hexachloroethane	341C1R2	ND 2.81e+3 ng/dscm	4.58e-5 lbs/hr	CC
Hexachloroethane	341C1R3	ND 2.59e+3 ng/dscm	4.30e-5 lbs/hr	CC
Hexachloroethane	341C2R1	ND 2.38e+3 ng/dscm	3.90e-5 lbs/hr	CC
Hexachloroethane	341C2R2	ND 1.24e+4 ng/dscm	2.08e-4 lbs/hr	CC
Hexachloroethane	341C2R3	ND 1.31e+4 ng/dscm	2.13e-4 lbs/hr	CC

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	341C1R1	2.55e+0 ppmv 7%O2	1.76e-2 lbs/hr	
CO	341C1R2	6.84e+0 ppmv 7%O2	0.00e+0	
CO	341C1R3	5.65e+0 ppmv 7%O2	0.00e+0	
CO	341C2R1	2.73e+0 ppmv 7%O2	0.00e+0	
CO	341C2R2	1.18e+0 ppmv 7%O2	0.00e+0	
CO	341C2R3	1.18e+0 ppmv 7%O2	0.00e+0	
CO(MHRA)	341C1R1	1.00e+2 ppmv 7%O2	8.12e-1 lbs/hr	CE
CO(MHRA)	341C1R2	1.00e+2 ppmv 7%O2	0.00e+0	
CO(MHRA)	341C1R3	9.70e+1 ppmv 7%O2	0.00e+0	
CO(MHRA)	341C2R1	4.00e+0 ppmv 7%O2	0.00e+0	
CO(MHRA)	341C2R2	1.63e+1 ppmv 7%O2	0.00e+0	
CO(MHRA)	341C2R3	1.53e+1 ppmv 7%O2	0.00e+0	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: GLAXO INC.

2. STATE: NC

3. CITY: RESEARCH TRIANGLE PARK

EPA ID: NCD065655599

REGION: 4

4. EP ID: 341 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: DA/DI/FF/HEPA/CA

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	341C1R1	ND 1.68e+4 ng/dscm 7%O2	1.17e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	341C1R2	ND 5.76e+3 ng/dscm	9.39e-5 lbs/hr	CC
Carbon Tetrachloride	341C1R3	ND 7.06e+3 ng/dscm	1.17e-4 lbs/hr	CC
Carbon Tetrachloride	341C2R1	ND 1.40e+4 ng/dscm	2.29e-4 lbs/hr	CC
Carbon Tetrachloride	341C2R2	ND 7.30e+3 ng/dscm	1.22e-4 lbs/hr	CC
Carbon Tetrachloride	341C2R3	ND 8.28e+3 ng/dscm	1.35e-4 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: IOWA ARMY AMMUNITION PLANT
 2. STATE: IA
 3. CITY: MIDDLETOWN EPA IA7213820445 REGION: 7
 4. EP ID: 351 DEVICE NAME: EWI AFTERBURNER SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: GC/C/FF

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chromium	351C1R1	3.64e+0 ug/dscm 7%O2	1.07e-5 lbs/hr	CC7%O2
Chromium	351C1R2	6.22e+0 ug/dscm 7%O2	1.67e-5 lbs/hr	CC7%O2
Chromium	351C1R3	4.10e+0 ug/dscm 7%O2	1.10e-5 lbs/hr	CC7%O2
Chromium	351C2R1	3.16e+0 ug/dscm 7%O2	7.49e-6 lbs/hr	CC7%O2
Chromium	351C2R2	6.70e+0 ug/dscm 7%O2	1.83e-5 lbs/hr	CC7%O2
Chromium	351C2R3	6.70e+0 ug/dscm 7%O2	1.53e-5 lbs/hr	CC7%O2
Chromium	351C3R1	9.92e+0 ug/dscm 7%O2	2.22e-5 lbs/hr	CC7%O2
Chromium	351C3R2	1.23e+1 ug/dscm 7%O2	2.95e-5 lbs/hr	CC7%O2
Chromium	351C3R3	1.13e+1 ug/dscm 7%O2	2.51e-5 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	351C1R1	4.49e-3 gr/dscf 7%O2	3.03e-2 lbs/hr	CE
Particulate	351C1R2	7.06e-3 gr/dscf 7%O2	4.34e-2 lbs/hr	CE
Particulate	351C1R3	4.66e-3 gr/dscf 7%O2	2.85e-2 lbs/hr	CE
Particulate	351C2R1	3.89e-3 gr/dscf 7%O2	2.11e-2 lbs/hr	CE
Particulate	351C2R2	4.74e-3 gr/dscf 7%O2	2.97e-2 lbs/hr	CE
Particulate	351C2R3	4.81e-3 gr/dscf 7%O2	2.52e-2 lbs/hr	CE
Particulate	351C3R1	8.36e-3 gr/dscf 7%O2	4.30e-2 lbs/hr	CE
Particulate	351C3R2	1.52e-2 gr/dscf 7%O2	8.34e-2 lbs/hr	CE
Particulate	351C3R3	1.28e-2 gr/dscf 7%O2	6.51e-2 lbs/hr	CE
Particulate	351C4R1	1.53e-2 gr/dscf 7%O2	1.92e-1 lbs/hr	CE
Particulate	351C4R2	1.26e-2 gr/dscf 7%O2	1.58e-1 lbs/hr	CE
Particulate	351C4R3	1.35e-2 gr/dscf 7%O2	1.59e-1 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
2,4,6-Trinitrotoluene	351C4R1	1.23e+5 ng/dscm 7%O2	6.74e-4 lbs/hr	CC7%O2
2,4,6-Trinitrotoluene	351C4R2	9.38e+4 ng/dscm 7%O2	5.12e-4 lbs/hr	CC7%O2
2,4,6-Trinitrotoluene	351C4R3	1.16e+5 ng/dscm 7%O2	5.95e-4 lbs/hr	CC7%O2
PBX-0280	351C2R1	4.39e+4 ng/dscm 7%O2	1.04e-4 lbs/hr	CC7%O2
PBX-0280	351C2R2	4.31e+4 ng/dscm 7%O2	1.18e-4 lbs/hr	CC7%O2
PBX-0280	351C2R3	4.55e+4 ng/dscm 7%O2	1.04e-4 lbs/hr	CC7%O2
Trinitrotoluene	351C1R1	1.08e+6 ng/dscm 7%O2	3.19e-3 lbs/hr	CC7%O2
Trinitrotoluene	351C1R2	9.88e+5 ng/dscm 7%O2	2.65e-3 lbs/hr	CC7%O2
Trinitrotoluene	351C1R3	8.39e+5 ng/dscm 7%O2	2.24e-3 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	351C1R1	1.80e+1 ppmv 7%O2	6.17e-2 lbs/hr	CE
CO	351C1R2	9.71e+1 ppmv 7%O2	3.03e-1 lbs/hr	CE
CO	351C1R3	4.50e+1 ppmv 7%O2	1.40e-1 lbs/hr	CE
CO	351C2R1	1.10e+1 ppmv 7%O2	3.03e-2 lbs/hr	CE
CO	351C2R2	4.00e+0 ppmv 7%O2	1.27e-2 lbs/hr	CE
CO	351C2R3	1.00e+1 ppmv 7%O2	2.66e-2 lbs/hr	CE
CO	351C3R1	1.00e+1 ppmv 7%O2	2.61e-2 lbs/hr	CE
CO	351C3R2	8.00e+0 ppmv 7%O2	2.23e-2 lbs/hr	CE
CO	351C3R3	5.00e+0 ppmv 7%O2	1.29e-2 lbs/hr	CE
CO	351C4R1	5.81e+1 ppmv 7%O2	3.70e-1 lbs/hr	CE
CO	351C4R2	5.92e+1 ppmv 7%O2	3.76e-1 lbs/hr	CE
CO	351C4R3	3.93e+1 ppmv 7%O2	2.35e-1 lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: IOWA ARMY AMMUNITION PLANT

2. STATE: IA

3. CITY: MIDDLETOWN

EPA ID: IA7213820445

REGION: 7

4. EP ID: 351 DEVICE NAME: EWI AFTERBURNER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: GC/C/FF

CO(MHRA)	351C1R1	4.90e+1	ppmv 7%O2	1.68e-1	lbs/hr	CE
CO(MHRA)	351C1R2	3.34e+2	ppmv 7%O2	1.04e+0	lbs/hr	CE
CO(MHRA)	351C1R3	2.02e+2	ppmv 7%O2	6.27e-1	lbs/hr	CE
CO(MHRA)	351C2R1	1.70e+1	ppmv 7%O2	4.69e-2	lbs/hr	CE
CO(MHRA)	351C2R2	7.00e+0	ppmv 7%O2	2.23e-2	lbs/hr	CE
CO(MHRA)	351C2R3	1.50e+1	ppmv 7%O2	3.99e-2	lbs/hr	CE
CO(MHRA)	351C3R1	1.80e+1	ppmv 7%O2	4.69e-2	lbs/hr	CE
CO(MHRA)	351C3R2	1.40e+1	ppmv 7%O2	3.90e-2	lbs/hr	CE
CO(MHRA)	351C3R3	8.00e+0	ppmv 7%O2	2.07e-2	lbs/hr	CE
CO(MHRA)	351C4R1	6.48e+1	ppmv 7%O2	4.12e-1	lbs/hr	CE
CO(MHRA)	351C4R2	6.60e+1	ppmv 7%O2	4.19e-1	lbs/hr	CE
CO(MHRA)	351C4R3	4.48e+1	ppmv 7%O2	2.68e-1	lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: IOWA ARMY AMMUNITION PLANT

2. STATE: IA

3. CITY: MIDDLETOWN

EPA ID: IA7213820445

REGION: 7

4. EP ID: 727 DEVICE NAME: EWI NO AFTERBURNER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: GC/C/FF

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	727C1R1	9.00e-3 gr/dscf 7%O2	2.53e-2 lbs/hr	CE
Particulate	727C1R2	1.00e-2 gr/dscf 7%O2	2.72e-2 lbs/hr	CE
Particulate	727C1R3	1.20e-2 gr/dscf 7%O2	3.13e-2 lbs/hr	CE
Particulate	727C2R1	2.16e-1 gr/dscf 7%O2	1.41e+0 lbs/hr	CE
Particulate	727C2R2	1.54e-1 gr/dscf 7%O2	8.03e-1 lbs/hr	CE
Particulate	727C2R3	1.00e-1 gr/dscf 7%O2	3.54e-1 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
RDX (CYCLONITE)	727C1R1	ND 1.09e+5 ng/dscm 7%O2	1.34e-4 lbs/hr	CC7%O2
RDX (CYCLONITE)	727C1R2	ND 1.43e+5 ng/dscm 7%O2	1.70e-4 lbs/hr	CC7%O2
RDX (CYCLONITE)	727C1R3	ND 5.52e+5 ng/dscm 7%O2	6.28e-4 lbs/hr	CC7%O2
Trinitrotoluene	727C1R1	1.11e+7 ng/dscm 7%O2	1.37e-2 lbs/hr	CC7%O2
Trinitrotoluene	727C1R2	1.92e+7 ng/dscm 7%O2	2.28e-2 lbs/hr	CC7%O2
Trinitrotoluene	727C1R3	2.61e+7 ng/dscm 7%O2	2.96e-2 lbs/hr	CC7%O2
Trinitrotoluene	727C2R1	2.45e+8 ng/dscm 7%O2	6.99e-1 lbs/hr	CC7%O2
Trinitrotoluene	727C2R2	3.38e+7 ng/dscm 7%O2	7.69e-2 lbs/hr	CC7%O2
Trinitrotoluene	727C2R3	5.76e+7 ng/dscm 7%O2	8.89e-2 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	727C1R1	3.15e+2 ppmv 7%O2	4.50e-1 lbs/hr	CE
CO	727C1R2	3.41e+2 ppmv 7%O2	4.71e-1 lbs/hr	CE
CO	727C1R3	2.32e+2 ppmv 7%O2	3.07e-1 lbs/hr	CE
CO	727C2R1	4.12e+3 ppmv 7%O2	1.37e+1 lbs/hr	CE
CO	727C2R2	4.43e+3 ppmv 7%O2	1.17e+1 lbs/hr	CE
CO	727C2R3	2.61e+3 ppmv 7%O2	4.67e+0 lbs/hr	CE
THC	727C1R1	8.00e+0 ppmv 7%O2	1.79e-2 lbs/hr	CE
THC	727C1R2	5.80e+1 ppmv 7%O2	1.26e-1 lbs/hr	CE
THC	727C1R3	7.00e+0 ppmv 7%O2	1.45e-2 lbs/hr	CE
THC	727C2R1	3.61e+2 ppmv 7%O2	1.88e+0 lbs/hr	CE
THC	727C2R2	3.85e+2 ppmv 7%O2	1.60e+0 lbs/hr	CE
THC	727C2R3	1.52e+2 ppmv 7%O2	4.29e-1 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAIDLAW ENVIRONMENTAL SERVICES
 2. STATE: SC
 3. CITY: ROEBUCK
 4. EP ID: 209 DEVICE NAME:

EPA ID: SCD981467616
 SYSTEM TYPE: COMMERCIAL INCINERATOR

REGION: 4
 APC SYSTEM: WHB/FF/VQ/PT/DM

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	209C1R1	4.61e+0 ppmv 7%O2	5.95e-1 lbs/hr	CC7%O2
Chlorine	209C1R2	ND 3.87e-2 ppmv 7%O2	5.29e-3 lbs/hr	CC7%O2
Chlorine	209C1R3	1.02e+0 ppmv 7%O2	1.32e-1 lbs/hr	CC7%O2
Chlorine	209C1R4	2.74e+0 ppmv 7%O2	3.84e-1 lbs/hr	CC7%O2
Chlorine	209C2R1	4.52e+1 ppmv 7%O2	4.76e+0 lbs/hr	CC7%O2
Chlorine	209C2R2	6.14e+1 ppmv 7%O2	6.88e+0 lbs/hr	CC7%O2
Chlorine	209C2R3	8.70e+0 ppmv 7%O2	1.01e+0 lbs/hr	CC7%O2
Chlorine	209C2R4	3.67e+1 ppmv 7%O2	4.10e+0 lbs/hr	CC7%O2
HCl	209C1R1	1.53e+1 ppmv 7%O2	1.02e+0 lbs/hr	CC7%O2
HCl	209C1R2	6.40e+0 ppmv 7%O2	4.50e-1 lbs/hr	CC7%O2
HCl	209C1R3	1.76e+1 ppmv 7%O2	1.18e+0 lbs/hr	CC7%O2
HCl	209C1R4	1.01e+1 ppmv 7%O2	7.28e-1 lbs/hr	CC7%O2
HCl	209C2R1	1.95e+1 ppmv 7%O2	1.06e+0 lbs/hr	CC7%O2
HCl	209C2R2	2.00e+1 ppmv 7%O2	1.15e+0 lbs/hr	CC7%O2
HCl	209C2R3	6.10e+1 ppmv 7%O2	3.63e+0 lbs/hr	CC7%O2
HCl	209C2R4	2.14e+1 ppmv 7%O2	1.23e+0 lbs/hr	CC7%O2
HCl	209C3R1	3.89e+1 ppmv 7%O2	1.59e+0 lbs/hr	CC7%O2
HCl	209C3R2	2.89e+1 ppmv 7%O2	1.12e+0 lbs/hr	CC7%O2
HCl	209C3R3	3.12e+1 ppmv 7%O2	1.20e+0 lbs/hr	CC7%O2
HCl	209C4R1	ND 3.54e+0 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
HCl	209C4R2	ND 3.40e+0 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
HCl	209C4R3	4.92e-1 ppmv 7%O2	1.49e-2 lbs/hr	CC7%O2
HCl	209C5R1	3.92e+0 ppmv 7%O2	2.20e-1 lbs/hr	CC7%O2
HCl	209C5R2	5.90e+0 ppmv 7%O2	3.38e-1 lbs/hr	CC7%O2
HCl	209C5R3	2.88e+0 ppmv 7%O2	1.66e-1 lbs/hr	CC7%O2
HCl	209C6R1	4.68e+0 ppmv 7%O2	2.92e-1 lbs/hr	CC7%O2
HCl	209C6R2	5.47e+0 ppmv 7%O2	3.41e-1 lbs/hr	CC7%O2
HCl	209C6R3	5.77e+0 ppmv 7%O2	3.64e-1 lbs/hr	CC7%O2
HCl	209C7R1	3.33e+0 ppmv 7%O2	1.74e-1 lbs/hr	CC7%O2
HCl	209C7R2	5.13e+0 ppmv 7%O2	2.82e-1 lbs/hr	CC7%O2
HCl	209C7R3	3.30e+0 ppmv 7%O2	1.85e-1 lbs/hr	CC7%O2
HCl	209C8R1	1.66e+0 ppmv 7%O2	8.10e-2 lbs/hr	CC7%O2
HCl	209C8R2	6.17e+0 ppmv 7%O2	3.01e-1 lbs/hr	CC7%O2
HCl	209C8R3	4.24e+0 ppmv 7%O2	2.35e-1 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	209C1R1	1.49e+0 ug/dscm 7%O2	6.54e-5 lbs/hr	7%O2
Antimony	209C1R2	3.08e+1 ug/dscm 7%O2	1.37e-3 lbs/hr	7%O2
Antimony	209C1R3	3.11e+1 ug/dscm 7%O2	1.37e-3 lbs/hr	7%O2
Antimony	209C1R4	1.41e+1 ug/dscm 7%O2	6.76e-4 lbs/hr	7%O2
Antimony	209C2R1	9.34e+0 ug/dscm 7%O2	3.34e-4 lbs/hr	7%O2
Antimony	209C2R2	6.72e+0 ug/dscm 7%O2	2.56e-4 lbs/hr	7%O2
Antimony	209C2R3	2.81e+0 ug/dscm 7%O2	1.11e-4 lbs/hr	7%O2
Antimony	209C2R4	3.43e+0 ug/dscm 7%O2	1.30e-4 lbs/hr	7%O2
Arsenic	209C1R1	1.49e-1 ug/dscm 7%O2	6.53e-6 lbs/hr	7%O2
Arsenic	209C1R2	1.28e-1 ug/dscm 7%O2	5.66e-6 lbs/hr	7%O2
Arsenic	209C1R3	1.28e-1 ug/dscm 7%O2	5.66e-6 lbs/hr	7%O2
Arsenic	209C1R4	1.01e-1 ug/dscm 7%O2	4.80e-6 lbs/hr	7%O2
Arsenic	209C2R1	6.78e-1 ug/dscm 7%O2	2.42e-5 lbs/hr	7%O2
Arsenic	209C2R2	1.08e+0 ug/dscm 7%O2	4.09e-5 lbs/hr	7%O2
Arsenic	209C2R3	1.10e-1 ug/dscm 7%O2	4.34e-6 lbs/hr	7%O2
Arsenic	209C2R4	1.40e-1 ug/dscm 7%O2	5.32e-6 lbs/hr	7%O2
Barium	209C1R1	2.56e+1 ug/dscm 7%O2	1.13e-3 lbs/hr	7%O2
Barium	209C1R2	2.53e+1 ug/dscm 7%O2	1.13e-3 lbs/hr	7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAIDLAW ENVIRONMENTAL SERVICES
 2. STATE: SC
 3. CITY: ROEBUCK
 4. EP ID: 209 DEVICE NAME:

EPA ID: SCD981467616
 SYSTEM TYPE: COMMERCIAL INCINERATOR

REGION: 4
 APC SYSTEM: WHB/FF/VQ/PT/DM

Barium	209C1R3	2.55e+1	ug/dscm 7%O2	1.13e-3	lbs/hr	7%O2	
Barium	209C1R4	2.36e+1	ug/dscm 7%O2	1.13e-3	lbs/hr	7%O2	
Barium	209C2R1	3.21e+1	ug/dscm 7%O2	1.15e-3	lbs/hr	7%O2	
Barium	209C2R2	2.97e+1	ug/dscm 7%O2	1.13e-3	lbs/hr	7%O2	
Barium	209C2R3	2.89e+1	ug/dscm 7%O2	1.14e-3	lbs/hr	7%O2	
Barium	209C2R4	3.02e+1	ug/dscm 7%O2	1.15e-3	lbs/hr	7%O2	
Beryllium	209C1R1	4.39e-2	ug/dscm 7%O2	1.93e-6	lbs/hr	7%O2	
Beryllium	209C1R2	4.29e-2	ug/dscm 7%O2	1.91e-6	lbs/hr	7%O2	
Beryllium	209C1R3	4.33e-2	ug/dscm 7%O2	1.91e-6	lbs/hr	7%O2	
Beryllium	209C1R4	2.34e-2	ug/dscm 7%O2	1.12e-6	lbs/hr	7%O2	
Beryllium	209C2R1	4.28e-2	ug/dscm 7%O2	1.53e-6	lbs/hr	7%O2	
Beryllium	209C2R2	3.23e-2	ug/dscm 7%O2	1.23e-6	lbs/hr	7%O2	
Beryllium	209C2R3	3.58e-2	ug/dscm 7%O2	1.40e-6	lbs/hr	7%O2	
Beryllium	209C2R4	2.83e-2	ug/dscm 7%O2	1.07e-6	lbs/hr	7%O2	
Cadmium	209C1R1	2.70e+0	ug/dscm 7%O2	1.19e-4	lbs/hr	7%O2	
Cadmium	209C1R2	2.41e+0	ug/dscm 7%O2	1.07e-4	lbs/hr	7%O2	
Cadmium	209C1R3	2.44e+0	ug/dscm 7%O2	1.07e-4	lbs/hr	7%O2	
Cadmium	209C1R4	1.62e+0	ug/dscm 7%O2	7.76e-5	lbs/hr	7%O2	
Cadmium	209C2R1	1.69e+0	ug/dscm 7%O2	6.04e-5	lbs/hr	7%O2	
Cadmium	209C2R2	1.39e+0	ug/dscm 7%O2	5.30e-5	lbs/hr	7%O2	
Cadmium	209C2R3	2.30e+0	ug/dscm 7%O2	9.06e-5	lbs/hr	7%O2	
Cadmium	209C2R4	1.95e+0	ug/dscm 7%O2	7.39e-5	lbs/hr	7%O2	
Chromium	209C1R1	2.48e+1	ug/dscm 7%O2	1.09e-3	lbs/hr	7%O2	
Chromium	209C1R2	6.95e+0	ug/dscm 7%O2	3.09e-4	lbs/hr	7%O2	
Chromium	209C1R3	7.01e+0	ug/dscm 7%O2	3.09e-4	lbs/hr	7%O2	
Chromium	209C1R4	8.95e+0	ug/dscm 7%O2	4.27e-4	lbs/hr	7%O2	
Chromium	209C2R1	9.15e+0	ug/dscm 7%O2	3.27e-4	lbs/hr	7%O2	
Chromium	209C2R2	6.78e+0	ug/dscm 7%O2	2.58e-4	lbs/hr	7%O2	
Chromium	209C2R3	7.33e+0	ug/dscm 7%O2	2.88e-4	lbs/hr	7%O2	
Chromium	209C2R4	7.56e+0	ug/dscm 7%O2	2.87e-4	lbs/hr	7%O2	
Chromium (Hex)	209C1R1	4.20e+0	ug/dscm 7%O2	1.85e-4	lbs/hr	7%O2	
Chromium (Hex)	209C1R2	ND	2.15e-1	ug/dscm 7%O2	1.00e-5	lbs/hr	CC7%O2
Chromium (Hex)	209C1R3	2.86e+0	ug/dscm 7%O2	1.26e-4	lbs/hr	7%O2	
Chromium (Hex)	209C1R4	ND	2.35e-1	ug/dscm 7%O2	1.00e-5	lbs/hr	7%O2
Chromium (Hex)	209C2R1	1.88e+1	ug/dscm 7%O2	6.73e-4	lbs/hr	7%O2	
Chromium (Hex)	209C2R2	1.19e+1	ug/dscm 7%O2	4.52e-4	lbs/hr	7%O2	
Chromium (Hex)	209C2R3	9.80e+0	ug/dscm 7%O2	3.85e-4	lbs/hr	7%O2	
Chromium (Hex)	209C2R4	8.26e+0	ug/dscm 7%O2	3.14e-4	lbs/hr	7%O2	
Lead	209C1R1	1.62e+1	ug/dscm 7%O2	7.13e-4	lbs/hr	7%O2	
Lead	209C1R2	6.56e+0	ug/dscm 7%O2	2.92e-4	lbs/hr	7%O2	
Lead	209C1R3	6.63e+0	ug/dscm 7%O2	2.92e-4	lbs/hr	7%O2	
Lead	209C1R4	4.36e+0	ug/dscm 7%O2	2.08e-4	lbs/hr	7%O2	
Lead	209C2R1	6.29e+0	ug/dscm 7%O2	2.25e-4	lbs/hr	7%O2	
Lead	209C2R2	4.40e+0	ug/dscm 7%O2	1.67e-4	lbs/hr	7%O2	
Lead	209C2R3	5.21e+0	ug/dscm 7%O2	2.05e-4	lbs/hr	7%O2	
Lead	209C2R4	4.46e+0	ug/dscm 7%O2	1.70e-4	lbs/hr	7%O2	
Mercury	209C1R1	ND	2.50e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Mercury	209C1R2	ND	2.57e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Mercury	209C1R3	ND	2.59e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Mercury	209C1R4	2.51e+0	ug/dscm 7%O2	1.19e-4	lbs/hr	7%O2	
Mercury	209C2R1	2.83e-1	ug/dscm 7%O2	1.01e-5	lbs/hr	7%O2	
Mercury	209C2R2	ND	3.82e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Mercury	209C2R3	4.52e+0	ug/dscm 7%O2	1.77e-4	lbs/hr	7%O2	
Mercury	209C2R4	ND	3.93e+0	ug/dscm 7%O2	2.00e-4	lbs/hr	7%O2
Silver	209C1R1	ND	2.50e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C1R2	ND	2.57e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C1R3	ND	2.59e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C1R4	ND	2.35e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C2R1	ND	2.62e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C2R2	ND	2.55e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C2R3	ND	2.55e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2
Silver	209C2R4	ND	2.62e+0	ug/dscm 7%O2	1.00e-4	lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAIDLAW ENVIRONMENTAL SERVICES
 2. STATE: SC
 3. CITY: ROEBUCK
 4. EP ID: 209 DEVICE NAME:

EPA ID: SCD981467616 REGION: 4
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/VQ/PT/DM

Thallium	209C1R1	3.35e+0	ug/dscm	7%O2	1.47e-4	lbs/hr	7%O2
Thallium	209C1R2	7.39e+0	ug/dscm	7%O2	3.29e-4	lbs/hr	7%O2
Thallium	209C1R3	7.45e+0	ug/dscm	7%O2	3.29e-4	lbs/hr	7%O2
Thallium	209C1R4	3.54e+0	ug/dscm	7%O2	1.69e-4	lbs/hr	7%O2
Thallium	209C2R1	2.01e+1	ug/dscm	7%O2	7.22e-4	lbs/hr	7%O2
Thallium	209C2R2	1.71e+1	ug/dscm	7%O2	6.47e-4	lbs/hr	7%O2
Thallium	209C2R3	2.32e+1	ug/dscm	7%O2	9.11e-4	lbs/hr	7%O2
Thallium	209C2R4	2.67e+1	ug/dscm	7%O2	1.02e-3	lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc		
Particulate	209C1R1	1.60e-3	gr/dscf	7%O2	1.61e-1	lbs/hr	CE	
Particulate	209C1R2	7.00e-4	gr/dscf	7%O2	7.45e-2	lbs/hr	CE	
Particulate	209C1R3	6.00e-4	gr/dscf	7%O2	6.07e-2	lbs/hr	CE	
Particulate	209C1R4	5.00e-4	gr/dscf	7%O2	5.46e-2	lbs/hr	CE	
Particulate	209C2R1	8.00e-4	gr/dscf	7%O2	6.57e-2	lbs/hr	CE	
Particulate	209C2R2	7.00e-4	gr/dscf	7%O2	6.11e-2	lbs/hr	CE	
Particulate	209C2R3	7.00e-4	gr/dscf	7%O2	6.30e-2	lbs/hr	CE	
Particulate	209C2R4	5.00e-4	gr/dscf	7%O2	4.35e-2	lbs/hr	CE	
Particulate	209C3R1	1.22e-2	gr/dscf	7%O2	7.55e-1	lbs/hr	CE	
Particulate	209C3R2	8.90e-3	gr/dscf	7%O2	5.22e-1	lbs/hr	CE	
Particulate	209C3R3	3.30e-3	gr/dscf	7%O2	1.93e-1	lbs/hr	CE	
Particulate	209C4R1	3.70e-3	gr/dscf	7%O2	1.58e-1	lbs/hr	CE	
Particulate	209C4R2	3.90e-3	gr/dscf	7%O2	1.74e-1	lbs/hr	CE	
Particulate	209C4R3	ND	1.00e-4	gr/dscf	7%O2	4.59e-3	lbs/hr	CE
Particulate	209C5R1	9.20e-3	gr/dscf	7%O2	7.83e-1	lbs/hr	CE	
Particulate	209C5R2	3.70e-3	gr/dscf	7%O2	3.21e-1	lbs/hr	CE	
Particulate	209C5R3	7.40e-3	gr/dscf	7%O2	6.46e-1	lbs/hr	CE	
Particulate	209C6R1	1.07e-2	gr/dscf	7%O2	1.01e+0	lbs/hr	CE	
Particulate	209C6R2	5.00e-3	gr/dscf	7%O2	4.72e-1	lbs/hr	CE	
Particulate	209C6R3	1.71e-2	gr/dscf	7%O2	1.64e+0	lbs/hr	CE	
Particulate	209C7R1	1.70e-3	gr/dscf	7%O2	1.35e-1	lbs/hr	CE	
Particulate	209C7R2	8.00e-4	gr/dscf	7%O2	6.66e-2	lbs/hr	CE	
Particulate	209C7R3	2.10e-3	gr/dscf	7%O2	1.79e-1	lbs/hr	CE	
Particulate	209C8R1	3.40e-3	gr/dscf	7%O2	2.52e-1	lbs/hr	CE	
Particulate	209C8R2	7.70e-3	gr/dscf	7%O2	5.70e-1	lbs/hr	CE	
Particulate	209C8R3	2.70e-3	gr/dscf	7%O2	2.27e-1	lbs/hr	CE	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
CO	209C3R1	1.60e+3	ppmv	7%O2	5.03e+1	lbs/hr	CC7%O2
CO	209C3R2	1.67e+3	ppmv	7%O2	4.95e+1	lbs/hr	CC7%O2
CO	209C3R3	1.23e+3	ppmv	7%O2	3.63e+1	lbs/hr	CC7%O2
CO	209C4R1	1.70e+1	ppmv	7%O2	3.68e-1	lbs/hr	CC7%O2
CO	209C4R2	3.89e+0	ppmv	7%O2	8.78e-2	lbs/hr	CC7%O2
CO	209C4R3	1.04e+1	ppmv	7%O2	2.42e-1	lbs/hr	CC7%O2
CO	209C5R1	5.31e-1	ppmv	7%O2	2.29e-2	lbs/hr	CC7%O2
CO	209C5R2	2.50e-1	ppmv	7%O2	1.10e-2	lbs/hr	CC7%O2
CO	209C5R3	3.12e-1	ppmv	7%O2	1.38e-2	lbs/hr	CC7%O2
CO	209C6R1	6.56e+2	ppmv	7%O2	3.14e+1	lbs/hr	CC7%O2
CO	209C6R2	1.31e+1	ppmv	7%O2	6.28e-1	lbs/hr	CC7%O2
CO	209C6R3	8.96e+0	ppmv	7%O2	4.34e-1	lbs/hr	CC7%O2
CO	209C7R1	1.02e-1	ppmv	7%O2	4.08e-3	lbs/hr	CC7%O2
CO	209C7R2	3.10e-1	ppmv	7%O2	1.31e-2	lbs/hr	CC7%O2
CO	209C7R3	5.80e-1	ppmv	7%O2	2.50e-2	lbs/hr	CC7%O2
CO	209C8R1	7.97e-1	ppmv	7%O2	2.99e-2	lbs/hr	CC7%O2
CO	209C8R2	8.67e-1	ppmv	7%O2	3.25e-2	lbs/hr	CC7%O2
CO	209C8R3	7.52e-1	ppmv	7%O2	3.20e-2	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAIDLAW ENVIRONMENTAL SERVICES
 2. STATE: SC
 3. CITY: ROEBUCK
 4. EP ID: 209 DEVICE NAME:

EPA ID: SCD981467616 REGION: 4
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/VQ/PT/DM

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	209C1R1	2.88e+5 ng/dscm 7%O2	1.27e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C1R2	3.10e+5 ng/dscm 7%O2	1.44e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C1R3	8.63e+5 ng/dscm 7%O2	3.81e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C1R4	4.66e+5 ng/dscm 7%O2	2.22e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C2R1	4.68e+5 ng/dscm 7%O2	1.68e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C2R2	4.75e+5 ng/dscm 7%O2	1.81e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C2R3	4.18e+5 ng/dscm 7%O2	1.64e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C2R4	4.84e+5 ng/dscm 7%O2	1.84e-2 lbs/hr	7%O2
Carbon Tetrachloride	209C3R1	2.67e+5 ng/dscm 7%O2	7.21e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C3R2	3.25e+5 ng/dscm 7%O2	8.31e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C3R3	2.02e+5 ng/dscm 7%O2	5.14e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C4R1	1.87e+4 ng/dscm 7%O2	3.50e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	209C4R2	2.32e+5 ng/dscm 7%O2	4.52e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C4R3	4.51e+4 ng/dscm 7%O2	9.03e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	209C5R1	8.75e+4 ng/dscm 7%O2	3.25e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C5R2	8.42e+4 ng/dscm 7%O2	3.19e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C5R3	6.25e+4 ng/dscm 7%O2	2.38e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C6R1	3.39e+4 ng/dscm 7%O2	1.40e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C6R2	4.97e+4 ng/dscm 7%O2	2.05e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C6R3	6.16e+4 ng/dscm 7%O2	2.57e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C7R1	2.30e+5 ng/dscm 7%O2	7.97e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C7R2	2.01e+5 ng/dscm 7%O2	7.31e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C7R3	1.09e+5 ng/dscm 7%O2	4.04e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C8R1	5.66e+5 ng/dscm 7%O2	1.83e-2 lbs/hr	CC7%O2
Carbon Tetrachloride	209C8R2	2.84e+5 ng/dscm 7%O2	9.15e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	209C8R3	3.05e+5 ng/dscm 7%O2	1.12e-2 lbs/hr	CC7%O2
Chlorobenzene	209C1R1	5.19e+3 ng/dscm 7%O2	2.28e-4 lbs/hr	7%O2
Chlorobenzene	209C1R2	1.04e+3 ng/dscm 7%O2	4.90e-5 lbs/hr	7%O2
Chlorobenzene	209C1R3	7.13e+3 ng/dscm 7%O2	3.15e-4 lbs/hr	7%O2
Chlorobenzene	209C1R4	3.31e+3 ng/dscm 7%O2	1.57e-4 lbs/hr	7%O2
Chlorobenzene	209C2R1	1.10e+4 ng/dscm 7%O2	3.94e-4 lbs/hr	7%O2
Chlorobenzene	209C2R2	2.48e+4 ng/dscm 7%O2	9.43e-4 lbs/hr	7%O2
Chlorobenzene	209C2R3	2.57e+3 ng/dscm 7%O2	1.01e-4 lbs/hr	7%O2
Chlorobenzene	209C2R4	6.97e+3 ng/dscm 7%O2	2.65e-4 lbs/hr	7%O2
Methyl Ethyl Ketone	209C3R1	ND 5.30e+3 ng/dscm 7%O2	1.43e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C3R2	ND 5.27e+3 ng/dscm 7%O2	1.35e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C3R3	ND 7.39e+4 ng/dscm 7%O2	1.88e-3 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C4R1	2.13e+4 ng/dscm 7%O2	3.97e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C4R2	1.90e+5 ng/dscm 7%O2	3.69e-3 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C4R3	1.20e+5 ng/dscm 7%O2	2.40e-3 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C5R1	7.57e+3 ng/dscm 7%O2	2.81e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C5R2	ND 1.37e+4 ng/dscm 7%O2	5.19e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C5R3	ND 1.01e+4 ng/dscm 7%O2	3.86e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C6R1	8.16e+3 ng/dscm 7%O2	3.37e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C6R2	8.17e+3 ng/dscm 7%O2	3.37e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C6R3	7.81e+3 ng/dscm 7%O2	3.26e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C7R1	5.70e+3 ng/dscm 7%O2	1.97e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C7R2	3.82e+3 ng/dscm 7%O2	1.39e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C7R3	3.34e+3 ng/dscm 7%O2	1.24e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C8R1	2.63e+4 ng/dscm 7%O2	8.49e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C8R2	1.37e+4 ng/dscm 7%O2	4.41e-4 lbs/hr	CC7%O2
Methyl Ethyl Ketone	209C8R3	1.63e+4 ng/dscm 7%O2	5.98e-4 lbs/hr	CC7%O2
Tetrachloroethene	209C3R1	6.22e+5 ng/dscm 7%O2	1.68e-2 lbs/hr	CC7%O2
Tetrachloroethene	209C3R2	4.80e+5 ng/dscm 7%O2	1.23e-2 lbs/hr	CC7%O2
Tetrachloroethene	209C3R3	3.65e+5 ng/dscm 7%O2	9.29e-3 lbs/hr	CC7%O2
Tetrachloroethene	209C4R1	5.25e+3 ng/dscm 7%O2	9.81e-5 lbs/hr	CC7%O2
Tetrachloroethene	209C4R2	6.53e+4 ng/dscm 7%O2	1.27e-3 lbs/hr	CC7%O2
Tetrachloroethene	209C4R3	3.48e+4 ng/dscm 7%O2	6.98e-4 lbs/hr	CC7%O2
Tetrachloroethene	209C5R1	1.74e+5 ng/dscm 7%O2	6.47e-3 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAIDLAW ENVIRONMENTAL SERVICES
 2. STATE: SC
 3. CITY: ROEBUCK
 4. EP ID: 209 DEVICE NAME:

EPA ID: SCD981467616 REGION: 4
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/VQ/PT/DM

Tetrachloroethene	209C5R2	1.75e+4	ng/dscm	7%O2	6.65e-4	lbs/hr	CC7%O2
Tetrachloroethene	209C5R3	3.52e+4	ng/dscm	7%O2	1.34e-3	lbs/hr	CC7%O2
Tetrachloroethene	209C6R1	1.16e+4	ng/dscm	7%O2	4.77e-4	lbs/hr	CC7%O2
Tetrachloroethene	209C6R2	7.13e+3	ng/dscm	7%O2	2.94e-4	lbs/hr	CC7%O2
Tetrachloroethene	209C6R3	9.13e+3	ng/dscm	7%O2	3.81e-4	lbs/hr	CC7%O2
Tetrachloroethene	209C7R1	6.16e+5	ng/dscm	7%O2	2.13e-2	lbs/hr	CC7%O2
Tetrachloroethene	209C7R2	1.50e+5	ng/dscm	7%O2	5.45e-3	lbs/hr	CC7%O2
Tetrachloroethene	209C7R3	5.34e+4	ng/dscm	7%O2	1.98e-3	lbs/hr	CC7%O2
Tetrachloroethene	209C8R1	9.19e+5	ng/dscm	7%O2	2.97e-2	lbs/hr	CC7%O2
Tetrachloroethene	209C8R2	2.06e+5	ng/dscm	7%O2	6.66e-3	lbs/hr	CC7%O2
Tetrachloroethene	209C8R3	2.60e+5	ng/dscm	7%O2	9.52e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C5R1	1.25e+4	ng/dscm	7%O2	4.66e-4	lbs/hr	CC7%O2
Trichlorofluoromethane	209C5R2	9.21e+3	ng/dscm	7%O2	3.49e-4	lbs/hr	CC7%O2
Trichlorofluoromethane	209C5R3	1.23e+4	ng/dscm	7%O2	4.67e-4	lbs/hr	CC7%O2
Trichlorofluoromethane	209C6R1	1.84e+5	ng/dscm	7%O2	7.58e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C6R2	4.78e+4	ng/dscm	7%O2	1.97e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C6R3	1.25e+5	ng/dscm	7%O2	5.21e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C7R1	1.55e+5	ng/dscm	7%O2	5.36e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C7R2	3.30e+4	ng/dscm	7%O2	1.20e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C7R3	2.08e+5	ng/dscm	7%O2	7.73e-3	lbs/hr	CC7%O2
Trichlorofluoromethane	209C8R1	3.84e+5	ng/dscm	7%O2	1.24e-2	lbs/hr	CC7%O2
Trichlorofluoromethane	209C8R2	4.71e+5	ng/dscm	7%O2	1.52e-2	lbs/hr	CC7%O2
Trichlorofluoromethane	209C8R3	5.13e+5	ng/dscm	7%O2	1.88e-2	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAKE CITY ARMY AMMUNITION PLANT
 2. STATE: MO
 3. CITY: INDEPENDENCE
 4. EP ID: 503 DEVICE NAME: BUILDING 97

EPA ID: MO4213820489
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: HTHE/ LTHE/ FF

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	503C1R1	7.08e+2 ug/dscm 7%O2	3.15e-3 lbs/hr	CC7%O2
Antimony	503C1R2	4.44e+2 ug/dscm 7%O2	1.90e-3 lbs/hr	CC7%O2
Antimony	503C1R3	4.45e+2 ug/dscm 7%O2	1.86e-3 lbs/hr	CC7%O2
Antimony	503C2R1	3.07e+2 ug/dscm 7%O2	1.37e-3 lbs/hr	CC7%O2
Antimony	503C2R2	1.07e+2 ug/dscm 7%O2	4.50e-4 lbs/hr	CC7%O2
Antimony	503C2R3	2.05e+2 ug/dscm 7%O2	9.00e-4 lbs/hr	CC7%O2
Arsenic	503C1R1	ND 4.86e-1 ug/dscm 7%O2	2.16e-6 lbs/hr	CC7%O2
Arsenic	503C1R2	ND 4.86e-1 ug/dscm 7%O2	2.08e-6 lbs/hr	CC7%O2
Arsenic	503C1R3	ND 4.90e-1 ug/dscm 7%O2	2.05e-6 lbs/hr	CC7%O2
Arsenic	503C2R1	ND 4.83e-1 ug/dscm 7%O2	2.16e-6 lbs/hr	CC7%O2
Arsenic	503C2R2	ND 5.00e-1 ug/dscm 7%O2	2.11e-6 lbs/hr	CC7%O2
Arsenic	503C2R3	ND 4.90e-1 ug/dscm 7%O2	2.15e-6 lbs/hr	CC7%O2
Barium	503C1R1	3.57e+2 ug/dscm 7%O2	1.59e-3 lbs/hr	CC7%O2
Barium	503C1R2	3.48e+2 ug/dscm 7%O2	1.49e-3 lbs/hr	CC7%O2
Barium	503C1R3	3.52e+2 ug/dscm 7%O2	1.47e-3 lbs/hr	CC7%O2
Barium	503C2R1	3.29e+2 ug/dscm 7%O2	1.47e-3 lbs/hr	CC7%O2
Barium	503C2R2	1.16e+2 ug/dscm 7%O2	4.90e-4 lbs/hr	CC7%O2
Barium	503C2R3	2.01e+2 ug/dscm 7%O2	8.80e-4 lbs/hr	CC7%O2
Beryllium	503C1R1	ND 1.91e-1 ug/dscm 7%O2	8.50e-7 lbs/hr	CC7%O2
Beryllium	503C1R2	ND 1.94e-1 ug/dscm 7%O2	8.30e-7 lbs/hr	CC7%O2
Beryllium	503C1R3	ND 1.96e-1 ug/dscm 7%O2	8.20e-7 lbs/hr	CC7%O2
Beryllium	503C2R1	ND 1.92e-1 ug/dscm 7%O2	8.60e-7 lbs/hr	CC7%O2
Beryllium	503C2R2	ND 1.99e-1 ug/dscm 7%O2	8.40e-7 lbs/hr	CC7%O2
Beryllium	503C2R3	ND 1.96e-1 ug/dscm 7%O2	8.60e-7 lbs/hr	CC7%O2
Cadmium	503C1R1	1.07e+1 ug/dscm 7%O2	4.75e-5 lbs/hr	CC7%O2
Cadmium	503C1R2	9.74e+0 ug/dscm 7%O2	4.17e-5 lbs/hr	CC7%O2
Cadmium	503C1R3	8.16e+0 ug/dscm 7%O2	3.41e-5 lbs/hr	CC7%O2
Cadmium	503C2R1	2.13e+0 ug/dscm 7%O2	9.51e-6 lbs/hr	CC7%O2
Cadmium	503C2R2	ND 1.99e-1 ug/dscm 7%O2	8.40e-7 lbs/hr	CC7%O2
Cadmium	503C2R3	ND 1.96e-1 ug/dscm 7%O2	8.60e-7 lbs/hr	CC7%O2
Chromium	503C1R1	4.34e+1 ug/dscm 7%O2	1.93e-4 lbs/hr	CC7%O2
Chromium	503C1R2	1.59e+2 ug/dscm 7%O2	6.81e-4 lbs/hr	CC7%O2
Chromium	503C1R3	1.02e+2 ug/dscm 7%O2	4.26e-4 lbs/hr	CC7%O2
Chromium	503C2R1	1.12e+0 ug/dscm 7%O2	5.00e-6 lbs/hr	CC7%O2
Chromium	503C2R2	6.78e+1 ug/dscm 7%O2	2.86e-4 lbs/hr	CC7%O2
Chromium	503C2R3	4.81e+1 ug/dscm 7%O2	2.11e-4 lbs/hr	CC7%O2
Lead	503C1R1	7.10e+2 ug/dscm 7%O2	3.16e-3 lbs/hr	CC7%O2
Lead	503C1R2	7.12e+2 ug/dscm 7%O2	3.05e-3 lbs/hr	CC7%O2
Lead	503C1R3	7.11e+2 ug/dscm 7%O2	2.97e-3 lbs/hr	CC7%O2
Lead	503C2R1	6.92e+2 ug/dscm 7%O2	3.09e-3 lbs/hr	CC7%O2
Lead	503C2R2	8.18e+2 ug/dscm 7%O2	3.45e-3 lbs/hr	CC7%O2
Lead	503C2R3	1.22e+3 ug/dscm 7%O2	5.35e-3 lbs/hr	CC7%O2
Mercury	503C1R1	1.54e+0 ug/dscm 7%O2	6.83e-6 lbs/hr	CC7%O2
Mercury	503C1R2	8.36e-1 ug/dscm 7%O2	3.58e-6 lbs/hr	CC7%O2
Mercury	503C1R3	1.10e+0 ug/dscm 7%O2	4.60e-6 lbs/hr	CC7%O2
Mercury	503C2R1	4.61e+0 ug/dscm 7%O2	2.06e-5 lbs/hr	CC7%O2
Mercury	503C2R2	2.99e+1 ug/dscm 7%O2	1.26e-4 lbs/hr	CC7%O2
Mercury	503C2R3	9.40e+1 ug/dscm 7%O2	4.12e-4 lbs/hr	CC7%O2
Silver	503C1R1	9.67e-2 ug/dscm 7%O2	4.30e-7 lbs/hr	CC7%O2
Silver	503C1R2	ND 9.81e-2 ug/dscm 7%O2	4.20e-7 lbs/hr	CC7%O2
Silver	503C1R3	ND 9.81e-2 ug/dscm 7%O2	4.10e-7 lbs/hr	CC7%O2
Silver	503C2R1	ND 9.62e-2 ug/dscm 7%O2	4.30e-7 lbs/hr	CC7%O2
Silver	503C2R2	ND 9.96e-2 ug/dscm 7%O2	4.20e-7 lbs/hr	CC7%O2
Silver	503C2R3	ND 9.81e-2 ug/dscm 7%O2	4.30e-7 lbs/hr	CC7%O2
Thallium	503C1R1	ND 4.81e-1 ug/dscm 7%O2	2.14e-6 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LAKE CITY ARMY AMMUNITION PLANT
 2. STATE: MO
 3. CITY: INDEPENDENCE
 4. EP ID: 503 DEVICE NAME: BUILDING 97

EPA ID: MO4213820489
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: HTHE/ LTHE/ FF

Thallium	503C1R2	ND	4.86e-1	ug/dscm	7%O2	2.08e-6	lbs/hr	CC7%O2
Thallium	503C1R3	ND	4.90e-1	ug/dscm	7%O2	2.05e-6	lbs/hr	CC7%O2
Thallium	503C2R1	ND	4.83e-1	ug/dscm	7%O2	2.16e-6	lbs/hr	CC7%O2
Thallium	503C2R2	ND	5.00e-1	ug/dscm	7%O2	2.11e-6	lbs/hr	CC7%O2
Thallium	503C2R3	ND	4.90e-1	ug/dscm	7%O2	2.15e-6	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	503C1R1	3.20e-2 gr/dscf 7%O2	3.26e-1 lbs/hr	CE
Particulate	503C1R2	2.50e-2 gr/dscf 7%O2	2.45e-1 lbs/hr	CE
Particulate	503C1R3	2.60e-2 gr/dscf 7%O2	2.49e-1 lbs/hr	CE
Particulate	503C2R1	2.40e-2 gr/dscf 7%O2	2.46e-1 lbs/hr	CE
Particulate	503C2R2	3.50e-2 gr/dscf 7%O2	3.38e-1 lbs/hr	CE
Particulate	503C2R3	2.70e-2 gr/dscf 7%O2	2.71e-1 lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LWD, INC.
 2. STATE: KY
 3. CITY: CALVERT CITY EPA KYD088438817 REGION: 4
 4. EP ID: 210 DEVICE NAME: UNIT NO. 3 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: FF/S

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	210C1R1	ND 1.29e-1 ppmv 7%O2	3.29e-2 lbs/hr	CE7%O2
Chlorine	210C1R2	ND 1.26e-1 ppmv 7%O2	3.58e-2 lbs/hr	CE7%O2
Chlorine	210C1R3	ND 1.19e-1 ppmv 7%O2	3.66e-2 lbs/hr	CE7%O2
Chlorine	210C2R1	3.03e-1 ppmv 7%O2	8.27e-2 lbs/hr	CE7%O2
Chlorine	210C2R2	7.53e-1 ppmv 7%O2	2.13e-1 lbs/hr	CE7%O2
Chlorine	210C2R3	5.04e-1 ppmv 7%O2	1.46e-1 lbs/hr	CE7%O2
HCl	210C1R1	2.74e+1 ppmv 7%O2	3.59e+0 lbs/hr	7%O2
HCl	210C1R2	1.33e+1 ppmv 7%O2	1.91e+0 lbs/hr	7%O2
HCl	210C1R3	5.67e+0 ppmv 7%O2	8.85e-1 lbs/hr	7%O2
HCl	210C2R1	5.39e+1 ppmv 7%O2	7.58e+0 lbs/hr	7%O2
HCl	210C2R2	6.13e+1 ppmv 7%O2	9.06e+0 lbs/hr	7%O2
HCl	210C2R3	4.40e+1 ppmv 7%O2	6.52e+0 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	210C1R1	1.84e-2 gr/dscf 7%O2	3.59e+0 lbs/hr	
Particulate	210C1R2	5.05e-3 gr/dscf 7%O2	1.09e+0 lbs/hr	
Particulate	210C1R3	1.83e-3 gr/dscf 7%O2	4.28e-1 lbs/hr	
Particulate	210C2R1	5.22e-3 gr/dscf 7%O2	1.11e+0 lbs/hr	7%O2
Particulate	210C2R2	1.25e-2 gr/dscf 7%O2	2.79e+0 lbs/hr	7%O2
Particulate	210C2R3	2.69e-3 gr/dscf 7%O2	6.00e-1 lbs/hr	7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichlorobenzene	210C1R1	5.55e+4 ng/dscm 7%O2	4.85e-3 lbs/hr	7%O2
1,2-Dichlorobenzene	210C1R2	2.35e+3 ng/dscm 7%O2	2.30e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	210C1R3	1.84e+3 ng/dscm 7%O2	1.97e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	210C2R1	ND 2.13e+3 ng/dscm 7%O2	1.98e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	210C2R2	2.56e+3 ng/dscm 7%O2	2.44e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	210C2R3	ND 2.03e+3 ng/dscm 7%O2	2.02e-4 lbs/hr	7%O2
Hexachloroethane	210C1R1	1.46e+4 ng/dscm 7%O2	1.26e-3 lbs/hr	7%O2
Hexachloroethane	210C1R2	ND 2.62e+3 ng/dscm 7%O2	2.54e-4 lbs/hr	7%O2
Hexachloroethane	210C1R3	ND 2.30e+3 ng/dscm 7%O2	2.43e-4 lbs/hr	7%O2
Hexachloroethane	210C2R1	ND 2.73e+3 ng/dscm 7%O2	2.52e-4 lbs/hr	7%O2
Hexachloroethane	210C2R2	2.97e+3 ng/dscm 7%O2	2.81e-4 lbs/hr	7%O2
Hexachloroethane	210C2R3	ND 2.60e+3 ng/dscm 7%O2	2.57e-4 lbs/hr	7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	210C2R1	1.92e-1 ppmv 7%O2	2.07e-2 lbs/hr	7%O2
CO	210C2R2	7.57e-1 ppmv 7%O2	8.34e-2 lbs/hr	7%O2
CO	210C2R3	3.64e-1 ppmv 7%O2	4.18e-2 lbs/hr	7%O2
THC	210C1R1	8.78e+0 ppmv 7%O2	1.39e+0 lbs/hr	CE7%O2
THC	210C1R2	4.94e+0 ppmv 7%O2	8.66e-1 lbs/hr	CE7%O2
THC	210C1R3	2.31e+0 ppmv 7%O2	4.42e-1 lbs/hr	CE7%O2
THC	210C2R1	3.13e+0 ppmv 7%O2	5.33e-1 lbs/hr	7%O2
THC	210C2R2	2.82e+0 ppmv 7%O2	4.90e-1 lbs/hr	7%O2
THC	210C2R3	1.64e+0 ppmv 7%O2	2.96e-1 lbs/hr	7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LWD, INC.
 2. STATE: KY
 3. CITY: CALVERT CITY
 4. EP ID: 210 DEVICE NAME: UNIT NO. 3

EPA ID: KYD088438817

REGION: 4

SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: FF/S

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	210C1R1	ND 4.00e+5 ng/dscm 7%O2	3.48e-2 lbs/hr	7%O2
Carbon Tetrachloride	210C1R2	ND 1.44e+5 ng/dscm 7%O2	1.40e-2 lbs/hr	7%O2
Carbon Tetrachloride	210C1R3	ND 1.46e+5 ng/dscm 7%O2	1.55e-2 lbs/hr	7%O2
Carbon Tetrachloride	210C2R1	ND 2.85e+4 ng/dscm 7%O2	2.65e-3 lbs/hr	7%O2
Carbon Tetrachloride	210C2R2	ND 8.46e+4 ng/dscm 7%O2	8.04e-3 lbs/hr	7%O2
Carbon Tetrachloride	210C2R3	ND 1.72e+4 ng/dscm 7%O2	1.70e-3 lbs/hr	7%O2
Trichlorofluoromethane	210C1R1	ND 6.57e+5 ng/dscm 7%O2	5.69e-2 lbs/hr	7%O2
Trichlorofluoromethane	210C1R2	ND 8.51e+4 ng/dscm 7%O2	8.28e-3 lbs/hr	7%O2
Trichlorofluoromethane	210C1R3	ND 7.57e+4 ng/dscm 7%O2	8.05e-3 lbs/hr	7%O2
Trichlorofluoromethane	210C2R1	ND 6.02e+4 ng/dscm 7%O2	5.60e-3 lbs/hr	7%O2
Trichlorofluoromethane	210C2R2	ND 8.27e+4 ng/dscm 7%O2	7.85e-3 lbs/hr	7%O2
Trichlorofluoromethane	210C2R3	ND 1.97e+4 ng/dscm 7%O2	1.95e-3 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LWD, INC.
 2. STATE: KY
 3. CITY: CALVERT CITY
 4. EP ID: 211 DEVICE NAME: UNIT NO. 1
 EPA ID: KYD088438817
 SYSTEM TYPE: COMMERCIAL INCINERATOR
 APC SYSTEM: FF/S
 REGION: 4

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	211C1R1	8.14e+0 ppmv 7%O2	9.12e-1 lbs/hr	CE7%O2
Chlorine	211C1R2	2.37e+0 ppmv 7%O2	2.68e-1 lbs/hr	CE7%O2
Chlorine	211C1R3	9.48e+0 ppmv 7%O2	1.07e+0 lbs/hr	CE7%O2
HCl	211C1R1	2.06e+1 ppmv 7%O2	1.17e+0 lbs/hr	7%O2
HCl	211C1R2	2.32e+1 ppmv 7%O2	1.32e+0 lbs/hr	7%O2
HCl	211C1R3	2.93e+1 ppmv 7%O2	1.69e+0 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	211C1R1	1.14e-2 gr/dscf 7%O2	9.67e-1 lbs/hr	
Particulate	211C1R2	1.04e-2 gr/dscf 7%O2	8.82e-1 lbs/hr	
Particulate	211C1R3	3.83e-3 gr/dscf 7%O2	3.29e-1 lbs/hr	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichlorobenzene	211C1R1	ND 6.16e+3 ng/dscm 7%O2	2.41e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	211C1R2	7.11e+4 ng/dscm 7%O2	2.83e-3 lbs/hr	7%O2
1,2-Dichlorobenzene	211C1R3	ND 6.00e+3 ng/dscm 7%O2	2.34e-4 lbs/hr	7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	211C1R1	4.76e+0 ppmv 7%O2	2.14e-1 lbs/hr	7%O2
CO	211C1R2	ND 2.59e+0 ppmv 7%O2	1.19e-1 lbs/hr	7%O2
CO	211C1R3	5.81e+0 ppmv 7%O2	2.61e-1 lbs/hr	7%O2
THC	211C1R1	4.01e+0 ppmv 7%O2	2.79e-1 lbs/hr	CE7%O2
THC	211C1R2	2.18e+0 ppmv 7%O2	1.28e-1 lbs/hr	7%O2
THC	211C1R3	2.32e+0 ppmv 7%O2	1.34e-1 lbs/hr	7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Tetrachloroethene	211C1R1	ND 3.91e+4 ng/dscm 7%O2	1.51e-3 lbs/hr	7%O2
Tetrachloroethene	211C1R2	ND 8.67e+4 ng/dscm 7%O2	3.43e-3 lbs/hr	7%O2
Tetrachloroethene	211C1R3	ND 9.19e+4 ng/dscm 7%O2	3.56e-3 lbs/hr	7%O2
Trichlorofluoromethane	211C1R1	ND 1.13e+5 ng/dscm 7%O2	4.39e-3 lbs/hr	7%O2
Trichlorofluoromethane	211C1R2	ND 1.25e+5 ng/dscm 7%O2	4.95e-3 lbs/hr	7%O2
Trichlorofluoromethane	211C1R3	ND 2.03e+5 ng/dscm 7%O2	7.87e-3 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: LWD, INC.
 2. STATE: KY
 3. CITY: CALVERT CITY
 4. EP ID: 212 DEVICE NAME: UNIT NO. 2
 EPA ID: KYD088438817
 SYSTEM TYPE: COMMERCIAL INCINERATOR
 APC SYSTEM: FF/S
 REGION: 4

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	212C1R1	1.69e-1 ppmv 7%O2	1.93e-2 lbs/hr	CE7%O2
Chlorine	212C1R2	4.54e-1 ppmv 7%O2	5.27e-2 lbs/hr	CE7%O2
Chlorine	212C1R3	ND 9.88e-2 ppmv 7%O2	1.09e-2 lbs/hr	CE7%O2
HCl	212C1R1	6.39e+1 ppmv 7%O2	3.81e+0 lbs/hr	7%O2
HCl	212C1R2	8.70e+1 ppmv 7%O2	5.03e+0 lbs/hr	7%O2
HCl	212C1R3	2.49e+2 ppmv 7%O2	1.40e+1 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	212C1R1	2.00e-2 gr/dscf 7%O2	1.81e+0 lbs/hr	7%O2
Particulate	212C1R2	2.36e-2 gr/dscf 7%O2	2.06e+0 lbs/hr	7%O2
Particulate	212C1R3	2.35e-2 gr/dscf 7%O2	1.99e+0 lbs/hr	7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichlorobenzene	212C1R1	ND 3.78e+3 ng/dscm 7%O2	1.46e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	212C1R2	ND 3.46e+3 ng/dscm 7%O2	1.42e-4 lbs/hr	7%O2
1,2-Dichlorobenzene	212C1R3	ND 3.82e+3 ng/dscm 7%O2	1.47e-4 lbs/hr	7%O2
Hexachloroethane	212C1R1	ND 7.66e+3 ng/dscm 7%O2	2.92e-4 lbs/hr	7%O2
Hexachloroethane	212C1R2	ND 7.02e+3 ng/dscm 7%O2	2.85e-4 lbs/hr	7%O2
Hexachloroethane	212C1R3	ND 7.75e+3 ng/dscm 7%O2	2.94e-4 lbs/hr	7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	212C1R1	4.91e+0 ppmv 7%O2	2.18e-1 lbs/hr	7%O2
CO	212C1R2	ND 2.30e+0 ppmv 7%O2	1.09e-1 lbs/hr	7%O2
CO	212C1R3	5.29e+0 ppmv 7%O2	2.34e-1 lbs/hr	7%O2
THC	212C1R1	5.82e+0 ppmv 7%O2	4.13e-1 lbs/hr	CE7%O2
THC	212C1R2	3.21e+0 ppmv 7%O2	2.31e-1 lbs/hr	CE7%O2
THC	212C1R3	3.46e+0 ppmv 7%O2	2.37e-1 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	212C1R1	ND 2.01e+5 ng/dscm 7%O2	7.67e-3 lbs/hr	7%O2
Carbon Tetrachloride	212C1R2	ND 1.23e+5 ng/dscm 7%O2	5.03e-3 lbs/hr	7%O2
Carbon Tetrachloride	212C1R3	ND 4.05e+5 ng/dscm 7%O2	1.54e-2 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MARINE SHALE PROCESSORS, INC.
 2. STATE: LA
 3. CITY: MORGAN CITY
 4. EP ID: 400 DEVICE NAME:

EPA ID: LAD981057706
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 6

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LWA KILN Location: STACK Phase: GAS

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	400C1R1	ND 6.34e+1 ug/dscm 7%O2	1.20e-2 lbs/hr	CC7%O2
Antimony	400C1R2	ND 1.57e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Antimony	400C1R3	ND 1.61e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Arsenic	400C1R1	ND 1.58e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Arsenic	400C1R2	7.87e+1 ug/dscm 7%O2	1.50e-2 lbs/hr	CC7%O2
Arsenic	400C1R3	2.14e+1 ug/dscm 7%O2	4.00e-3 lbs/hr	CC7%O2
Barium	400C1R1	ND 1.27e+2 ug/dscm 7%O2	2.40e-2 lbs/hr	CC7%O2
Barium	400C1R2	ND 1.26e+2 ug/dscm 7%O2	2.40e-2 lbs/hr	CC7%O2
Barium	400C1R3	1.07e+1 ug/dscm 7%O2	2.00e-3 lbs/hr	CC7%O2
Beryllium	400C1R1	ND 1.58e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Beryllium	400C1R2	ND 1.57e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Beryllium	400C1R3	ND 1.61e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Cadmium	400C1R1	ND 4.23e+1 ug/dscm 7%O2	8.00e-3 lbs/hr	CC7%O2
Cadmium	400C1R2	ND 6.82e+1 ug/dscm 7%O2	1.30e-2 lbs/hr	CC7%O2
Cadmium	400C1R3	6.96e+1 ug/dscm 7%O2	1.30e-2 lbs/hr	CC7%O2
Chromium	400C1R1	ND 1.58e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Chromium	400C1R2	ND 1.57e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Chromium	400C1R3	ND 1.61e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Lead	400C1R1	3.64e+2 ug/dscm 7%O2	6.90e-2 lbs/hr	CC7%O2
Lead	400C1R2	7.45e+2 ug/dscm 7%O2	1.42e-1 lbs/hr	CC7%O2
Lead	400C1R3	6.80e+2 ug/dscm 7%O2	1.27e-1 lbs/hr	CC7%O2
Mercury	400C1R1	ND 2.64e+1 ug/dscm 7%O2	5.00e-3 lbs/hr	CC7%O2
Mercury	400C1R2	ND 1.57e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Mercury	400C1R3	ND 1.61e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Silver	400C1R1	ND 1.58e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Silver	400C1R2	ND 1.57e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Silver	400C1R3	ND 1.61e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Thallium	400C1R1	ND 1.94e+0 ug/dscm 7%O2	3.68e-4 lbs/hr	CC7%O2
Thallium	400C1R2	ND 5.13e+0 ug/dscm 7%O2	9.79e-4 lbs/hr	CC7%O2
Thallium	400C1R3	ND 3.15e+0 ug/dscm 7%O2	5.89e-4 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	400C1R1	4.76e-3 gr/dscf 7%O2	1.55e+0 lbs/hr	7%O2
Particulate	400C1R2	5.94e-3 gr/dscf 7%O2	1.93e+0 lbs/hr	7%O2
Particulate	400C1R3	8.00e-3 gr/dscf 7%O2	2.58e+0 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MILES, INC.

2. STATE: WV

3. CITY: NEW MARTINSVILLE

EPA ID: WVD056866312

REGION: 3

4. EP ID: 340 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/ESP/WS

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: FLUIDIZED BED

Location: STACK

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	340C1R1	9.61e+0 ppmv 7%O2	4.60e-1 lbs/hr	CC7%O2
HCl	340C1R2	1.20e+1 ppmv 7%O2	5.40e-1 lbs/hr	CC7%O2
HCl	340C1R3	1.79e+1 ppmv 7%O2	8.50e-1 lbs/hr	CC7%O2
HCl	340C2R1	2.13e+1 ppmv 7%O2	1.09e+0 lbs/hr	CC7%O2
HCl	340C2R2	2.49e+1 ppmv 7%O2	1.16e+0 lbs/hr	CC7%O2
HCl	340C2R3	1.74e+1 ppmv 7%O2	8.70e-1 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	340C1R1	2.81e+0 ug/dscm 7%O2	8.90e-5 lbs/hr	CC7%O2
Antimony	340C1R2	ND 6.40e+0 ug/dscm 7%O2	1.90e-4 lbs/hr	CC7%O2
Antimony	340C1R3	3.05e+0 ug/dscm 7%O2	9.60e-5 lbs/hr	CC7%O2
Antimony	340C2R1	ND 5.62e+0 ug/dscm 7%O2	1.90e-4 lbs/hr	CC7%O2
Antimony	340C2R2	ND 6.17e+0 ug/dscm 7%O2	1.90e-4 lbs/hr	CC7%O2
Antimony	340C2R3	ND 5.75e+0 ug/dscm 7%O2	1.90e-4 lbs/hr	CC7%O2
Arsenic	340C1R1	ND 4.74e+0 ug/dscm 7%O2	1.50e-4 lbs/hr	CC7%O2
Arsenic	340C1R2	ND 5.39e+0 ug/dscm 7%O2	1.60e-4 lbs/hr	CC7%O2
Arsenic	340C1R3	ND 5.09e+0 ug/dscm 7%O2	1.60e-4 lbs/hr	CC7%O2
Arsenic	340C2R1	ND 4.44e+0 ug/dscm 7%O2	1.50e-4 lbs/hr	CC7%O2
Arsenic	340C2R2	ND 5.19e+0 ug/dscm 7%O2	1.60e-4 lbs/hr	CC7%O2
Arsenic	340C2R3	ND 4.84e+0 ug/dscm 7%O2	1.60e-4 lbs/hr	CC7%O2
Barium	340C1R1	8.53e+0 ug/dscm 7%O2	2.70e-4 lbs/hr	CC7%O2
Barium	340C1R2	6.74e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Barium	340C1R3	6.04e+0 ug/dscm 7%O2	1.90e-4 lbs/hr	CC7%O2
Barium	340C2R1	9.47e+0 ug/dscm 7%O2	3.20e-4 lbs/hr	CC7%O2
Barium	340C2R2	7.46e+0 ug/dscm 7%O2	2.30e-4 lbs/hr	CC7%O2
Barium	340C2R3	1.60e+2 ug/dscm 7%O2	5.30e-3 lbs/hr	CC7%O2
Beryllium	340C1R1	3.47e+0 ug/dscm 7%O2	1.10e-4 lbs/hr	CC7%O2
Beryllium	340C1R2	1.11e-1 ug/dscm 7%O2	3.30e-6 lbs/hr	CC7%O2
Beryllium	340C1R3	1.02e-1 ug/dscm 7%O2	3.20e-6 lbs/hr	CC7%O2
Beryllium	340C2R1	1.78e-1 ug/dscm 7%O2	6.00e-6 lbs/hr	CC7%O2
Beryllium	340C2R2	ND 2.01e-1 ug/dscm 7%O2	6.20e-6 lbs/hr	CC7%O2
Beryllium	340C2R3	ND 1.91e-1 ug/dscm 7%O2	6.30e-6 lbs/hr	CC7%O2
Cadmium	340C1R1	2.50e+0 ug/dscm 7%O2	7.90e-5 lbs/hr	CC7%O2
Cadmium	340C1R2	1.08e+0 ug/dscm 7%O2	3.20e-5 lbs/hr	CC7%O2
Cadmium	340C1R3	1.08e+0 ug/dscm 7%O2	3.40e-5 lbs/hr	CC7%O2
Cadmium	340C2R1	9.17e-1 ug/dscm 7%O2	3.10e-5 lbs/hr	CC7%O2
Cadmium	340C2R2	1.10e+0 ug/dscm 7%O2	3.40e-5 lbs/hr	CC7%O2
Cadmium	340C2R3	7.56e-1 ug/dscm 7%O2	2.50e-5 lbs/hr	CC7%O2
Chromium	340C1R1	4.11e+2 ug/dscm 7%O2	1.30e-2 lbs/hr	CC7%O2
Chromium	340C1R2	9.43e-2 ug/dscm 7%O2	2.80e-6 lbs/hr	CC7%O2
Chromium	340C1R3	ND 4.13e-1 ug/dscm 7%O2	1.30e-5 lbs/hr	CC7%O2
Chromium	340C2R1	1.27e-1 ug/dscm 7%O2	4.30e-6 lbs/hr	CC7%O2
Chromium	340C2R2	5.84e-1 ug/dscm 7%O2	1.80e-5 lbs/hr	CC7%O2
Chromium	340C2R3	1.82e-1 ug/dscm 7%O2	6.00e-6 lbs/hr	CC7%O2
Lead	340C1R1	ND 4.74e+0 ug/dscm 7%O2	1.50e-4 lbs/hr	CC7%O2
Lead	340C1R2	4.72e+0 ug/dscm 7%O2	1.40e-4 lbs/hr	CC7%O2
Lead	340C1R3	3.05e+0 ug/dscm 7%O2	9.60e-5 lbs/hr	CC7%O2
Lead	340C2R1	1.86e+1 ug/dscm 7%O2	6.30e-4 lbs/hr	CC7%O2
Lead	340C2R2	7.46e+0 ug/dscm 7%O2	2.30e-4 lbs/hr	CC7%O2
Lead	340C2R3	1.09e+1 ug/dscm 7%O2	3.60e-4 lbs/hr	CC7%O2
Mercury	340C1R1	5.69e+0 ug/dscm 7%O2	1.80e-4 lbs/hr	CC7%O2
Mercury	340C1R2	9.43e+0 ug/dscm 7%O2	2.80e-4 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MILES, INC.

2. STATE: WV

3. CITY: NEW MARTINSVILLE

EPA WVD056866312

REGION: 3

4. EP ID: 340 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/ESP/WS

Mercury	340C1R3	7.63e+0	ug/dscm	7%O2	2.40e-4	lbs/hr	CC7%O2	
Mercury	340C2R1	1.01e+1	ug/dscm	7%O2	3.40e-4	lbs/hr	CC7%O2	
Mercury	340C2R2	1.30e+1	ug/dscm	7%O2	4.00e-4	lbs/hr	CC7%O2	
Mercury	340C2R3	1.39e+1	ug/dscm	7%O2	4.60e-4	lbs/hr	CC7%O2	
Silver	340C1R1	ND	1.90e+0	ug/dscm	7%O2	6.00e-5	lbs/hr	CC7%O2
Silver	340C1R2	ND	2.16e+0	ug/dscm	7%O2	6.40e-5	lbs/hr	CC7%O2
Silver	340C1R3	ND	2.07e+0	ug/dscm	7%O2	6.50e-5	lbs/hr	CC7%O2
Silver	340C2R1	ND	1.81e+0	ug/dscm	7%O2	6.10e-5	lbs/hr	CC7%O2
Silver	340C2R2	ND	1.98e+0	ug/dscm	7%O2	6.10e-5	lbs/hr	CC7%O2
Silver	340C2R3	ND	1.91e+0	ug/dscm	7%O2	6.30e-5	lbs/hr	CC7%O2
Thallium	340C1R1	ND	9.48e+0	ug/dscm	7%O2	3.00e-4	lbs/hr	CC7%O2
Thallium	340C1R2	ND	1.11e+1	ug/dscm	7%O2	3.30e-4	lbs/hr	CC7%O2
Thallium	340C1R3	ND	1.05e+1	ug/dscm	7%O2	3.30e-4	lbs/hr	CC7%O2
Thallium	340C2R1	ND	9.17e+0	ug/dscm	7%O2	3.10e-4	lbs/hr	CC7%O2
Thallium	340C2R2	ND	1.04e+1	ug/dscm	7%O2	3.20e-4	lbs/hr	CC7%O2
Thallium	340C2R3	ND	9.98e+0	ug/dscm	7%O2	3.30e-4	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	340C1R1	8.69e-3 gr/dscf 7%O2	6.30e-1 lbs/hr	CC7%O2
Particulate	340C1R2	8.39e-3 gr/dscf 7%O2	5.70e-1 lbs/hr	CC7%O2
Particulate	340C1R3	5.14e-3 gr/dscf 7%O2	3.70e-1 lbs/hr	CC7%O2
Particulate	340C2R1	4.65e-3 gr/dscf 7%O2	3.60e-1 lbs/hr	CC7%O2
Particulate	340C2R2	6.80e-3 gr/dscf 7%O2	4.80e-1 lbs/hr	CC7%O2
Particulate	340C2R3	3.96e-3 gr/dscf 7%O2	3.00e-1 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	340C1R1	8.16e+1 ppmv 7%O2	3.00e+0 lbs/hr	CC7%O2
CO	340C1R2	4.64e+1 ppmv 7%O2	1.60e+0 lbs/hr	CC7%O2
CO	340C1R3	2.19e+1 ppmv 7%O2	8.00e-1 lbs/hr	CC7%O2
CO	340C2R1	1.27e+1 ppmv 7%O2	5.00e-1 lbs/hr	CC7%O2
CO	340C2R2	1.12e+1 ppmv 7%O2	4.00e-1 lbs/hr	CC7%O2
CO	340C2R3	1.30e+1 ppmv 7%O2	5.00e-1 lbs/hr	CC7%O2
THC	340C1R1	3.98e+0 ppmv 7%O2	2.30e-1 lbs/hr	CC7%O2
THC	340C1R3	3.48e-1 ppmv 7%O2	2.00e-2 lbs/hr	CC7%O2
THC	340C2R1	9.72e-1 ppmv 7%O2	6.00e-2 lbs/hr	CC7%O2
THC	340C2R2	1.07e+0 ppmv 7%O2	6.00e-2 lbs/hr	CC7%O2
THC	340C2R3	2.32e+0 ppmv 7%O2	1.40e-1 lbs/hr	CC7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	340C1R1	ND 4.69e+3 ng/dscm 7%O2	1.49e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	340C1R2	ND 5.47e+3 ng/dscm 7%O2	1.63e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	340C1R3	1.41e+4 ng/dscm 7%O2	4.45e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	340C2R1	2.49e+4 ng/dscm 7%O2	8.42e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	340C2R2	1.97e+4 ng/dscm 7%O2	6.08e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	340C2R3	1.74e+4 ng/dscm 7%O2	5.77e-4 lbs/hr	CE7%O2
Chlorobenzene	340C1R1	5.37e+4 ng/dscm 7%O2	1.70e-3 lbs/hr	CE7%O2
Chlorobenzene	340C1R2	2.37e+4 ng/dscm 7%O2	7.04e-4 lbs/hr	CE7%O2
Chlorobenzene	340C1R3	1.86e+4 ng/dscm 7%O2	5.87e-4 lbs/hr	CE7%O2
Chlorobenzene	340C2R1	1.16e+4 ng/dscm 7%O2	3.93e-4 lbs/hr	CE7%O2
Chlorobenzene	340C2R2	1.76e+4 ng/dscm 7%O2	5.44e-4 lbs/hr	CE7%O2
Chlorobenzene	340C2R3	2.16e+4 ng/dscm 7%O2	7.15e-4 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MONSANTO AGRICULTURAL COMPANY
 2. STATE: IA
 3. CITY: MUSCATINE
 4. EP ID: 906 DEVICE NAME: CAC INCINERATOR

EPA ID: IAD005273594
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: QT/PT

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
HCl	906C1R1	1.01e+2	ppmv 7%O2	9.20e-1 lbs/hr	CC7%O2
HCl	906C1R2	1.24e+2	ppmv 7%O2	1.74e+0 lbs/hr	CC7%O2
HCl	906C1R3	1.25e+2	ppmv 7%O2	1.48e+0 lbs/hr	CC7%O2
HCl	906C2R1	5.89e+1	ppmv 7%O2	6.40e-1 lbs/hr	CC7%O2
HCl	906C2R2	4.77e+1	ppmv 7%O2	5.70e-1 lbs/hr	CC7%O2
HCl	906C2R3	1.51e+1	ppmv 7%O2	1.40e-1 lbs/hr	CC7%O2
HCl	906C3R1	1.56e+2	ppmv 7%O2	1.82e+0 lbs/hr	CC7%O2
HCl	906C3R2	1.52e+2	ppmv 7%O2	1.63e+0 lbs/hr	CC7%O2
HCl	906C3R3	1.10e+2	ppmv 7%O2	1.09e+0 lbs/hr	CC7%O2
HCl	906C4R1	1.99e+2	ppmv 7%O2	2.30e+0 lbs/hr	CC7%O2
HCl	906C4R2	1.55e+2	ppmv 7%O2	1.82e+0 lbs/hr	CC7%O2
HCl	906C4R3	2.82e+2	ppmv 7%O2	3.30e+0 lbs/hr	CC7%O2
HCl	906C5R1	1.61e+2	ppmv 7%O2	2.12e+0 lbs/hr	CC7%O2
HCl	906C5R2	1.52e+2	ppmv 7%O2	1.97e+0 lbs/hr	CC7%O2
HCl	906C5R3	1.73e+2	ppmv 7%O2	1.96e+0 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Particulate	906C1R1	9.30e-2	gr/dscf 7%O2	1.28e+0 lbs/hr	CE
Particulate	906C1R2	4.80e-2	gr/dscf 7%O2	1.02e+0 lbs/hr	CE
Particulate	906C1R3	5.70e-2	gr/dscf 7%O2	1.02e+0 lbs/hr	CE
Particulate	906C2R1	7.80e-2	gr/dscf 7%O2	1.28e+0 lbs/hr	CE
Particulate	906C2R2	1.14e-1	gr/dscf 7%O2	2.07e+0 lbs/hr	CE
Particulate	906C2R3	7.60e-2	gr/dscf 7%O2	1.07e+0 lbs/hr	CE
Particulate	906C3R1	6.80e-2	gr/dscf 7%O2	1.20e+0 lbs/hr	CE
Particulate	906C3R2	7.40e-2	gr/dscf 7%O2	1.20e+0 lbs/hr	CE
Particulate	906C3R3	7.50e-2	gr/dscf 7%O2	1.12e+0 lbs/hr	CE
Particulate	906C4R1	9.10e-2	gr/dscf 7%O2	1.59e+0 lbs/hr	CE
Particulate	906C4R2	9.40e-2	gr/dscf 7%O2	1.68e+0 lbs/hr	CE
Particulate	906C4R3	7.60e-2	gr/dscf 7%O2	1.35e+0 lbs/hr	CE
Particulate	906C5R1	4.30e-2	gr/dscf 7%O2	8.56e-1 lbs/hr	CE
Particulate	906C5R2	2.90e-2	gr/dscf 7%O2	5.70e-1 lbs/hr	CE
Particulate	906C5R3	3.60e-2	gr/dscf 7%O2	6.18e-1 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
CO	906C1R1	ND	8.05e+0 ppmv 7%O2	5.63e-2 lbs/hr	CE7%O2
CO	906C1R2	ND	5.69e+0 ppmv 7%O2	6.14e-2 lbs/hr	CE7%O2
CO	906C1R3	ND	5.84e+0 ppmv 7%O2	5.30e-2 lbs/hr	CE7%O2
CO	906C2R1	ND	6.04e+0 ppmv 7%O2	5.04e-2 lbs/hr	CE7%O2
CO	906C2R2	ND	5.27e+0 ppmv 7%O2	4.84e-2 lbs/hr	CE7%O2
CO	906C2R3	ND	6.61e+0 ppmv 7%O2	4.72e-2 lbs/hr	CE7%O2
CO	906C3R1	ND	5.31e+0 ppmv 7%O2	4.75e-2 lbs/hr	CE7%O2
CO	906C3R2	ND	5.31e+0 ppmv 7%O2	4.38e-2 lbs/hr	CE7%O2
CO	906C3R3	ND	5.31e+0 ppmv 7%O2	4.03e-2 lbs/hr	CE7%O2
CO	906C4R1	ND	5.11e+0 ppmv 7%O2	4.53e-2 lbs/hr	CE7%O2
CO	906C4R3	ND	5.00e+0 ppmv 7%O2	4.50e-2 lbs/hr	CE7%O2
CO	906C5R1		7.75e+0 ppmv 7%O2	7.82e-2 lbs/hr	CE7%O2
CO	906C5R2		7.89e+0 ppmv 7%O2	7.86e-2 lbs/hr	CE7%O2
CO	906C5R3		2.21e+1 ppmv 7%O2	1.92e-1 lbs/hr	CE7%O2
THC	906C1R1		2.73e+0 ppmv 7%O2	3.00e-2 lbs/hr	CE7%O2
THC	906C1R2		5.69e-1 ppmv 7%O2	9.64e-3 lbs/hr	CE7%O2
THC	906C1R3		1.52e+0 ppmv 7%O2	2.16e-2 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MONSANTO AGRICULTURAL COMPANY
 2. STATE: IA
 3. CITY: MUSCATINE
 4. EP ID: 906 DEVICE NAME: CAC INCINERATOR

EPA ID: IAD005273594
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/PT

REGION: 7

THC	906C2R2	2.10e-1	ppmv 7%O2	3.04e-3	lbs/hr	CE7%O2
THC	906C2R3	3.30e+0	ppmv 7%O2	3.70e-2	lbs/hr	CE7%O2
THC	906C3R1	2.76e+0	ppmv 7%O2	3.88e-2	lbs/hr	CE7%O2
THC	906C3R2	3.92e+0	ppmv 7%O2	5.09e-2	lbs/hr	CE7%O2
THC	906C3R3	1.06e+0	ppmv 7%O2	1.27e-2	lbs/hr	CE7%O2
THC	906C4R1	2.04e+0	ppmv 7%O2	2.85e-2	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
1,1,1-Trichloroethane	906C5R1	2.00e+3	ng/dscm 7%O2	1.74e-5	lbs/hr	CC7%O2
1,1,1-Trichloroethane	906C5R2	4.31e+2	ng/dscm 7%O2	3.70e-6	lbs/hr	CC7%O2
1,1,1-Trichloroethane	906C5R3	ND	0.00e+0	0.00e+0		
1,1-Dichloroethane	906C5R1	3.59e+2	ng/dscm 7%O2	3.12e-6	lbs/hr	CC7%O2
1,1-Dichloroethane	906C5R2	ND	0.00e+0	0.00e+0		
1,1-Dichloroethane	906C5R3	ND	0.00e+0	0.00e+0		
1,1-Dichloroethene	906C5R1	8.70e+2	ng/dscm 7%O2	7.56e-6	lbs/hr	CC7%O2
1,1-Dichloroethene	906C5R2	5.35e+2	ng/dscm 7%O2	4.59e-6	lbs/hr	CC7%O2
1,1-Dichloroethene	906C5R3	5.31e+2	ng/dscm 7%O2	3.98e-6	lbs/hr	CC7%O2
Acetone	906C5R1	9.06e+3	ng/dscm 7%O2	7.87e-5	lbs/hr	CC7%O2
Acetone	906C5R2	1.34e+3	ng/dscm 7%O2	1.15e-5	lbs/hr	CC7%O2
Acetone	906C5R3	4.71e+3	ng/dscm 7%O2	3.53e-5	lbs/hr	CC7%O2
Benzene	906C5R1	1.48e+3	ng/dscm 7%O2	1.29e-5	lbs/hr	CC7%O2
Benzene	906C5R2	1.15e+3	ng/dscm 7%O2	9.90e-6	lbs/hr	CC7%O2
Benzene	906C5R3	1.27e+3	ng/dscm 7%O2	9.50e-6	lbs/hr	CC7%O2
Bromodichloroethane	906C5R1	4.86e+4	ng/dscm 7%O2	4.22e-4	lbs/hr	CC7%O2
Bromodichloroethane	906C5R2	4.63e+4	ng/dscm 7%O2	3.97e-4	lbs/hr	CC7%O2
Bromodichloroethane	906C5R3	3.48e+4	ng/dscm 7%O2	2.61e-4	lbs/hr	CC7%O2
Bromoform	906C5R1	1.12e+5	ng/dscm 7%O2	9.77e-4	lbs/hr	CC7%O2
Bromoform	906C5R2	1.21e+5	ng/dscm 7%O2	1.04e-3	lbs/hr	CC7%O2
Bromoform	906C5R3	8.17e+4	ng/dscm 7%O2	6.12e-4	lbs/hr	CC7%O2
Bromomethane	906C5R1	1.22e+3	ng/dscm 7%O2	1.06e-5	lbs/hr	CC7%O2
Bromomethane	906C5R2	1.18e+3	ng/dscm 7%O2	1.01e-5	lbs/hr	CC7%O2
Bromomethane	906C5R3	9.71e+2	ng/dscm 7%O2	7.28e-6	lbs/hr	CC7%O2
Carbon disulfide	906C5R1	ND	0.00e+0	0.00e+0		
Carbon disulfide	906C5R2	5.82e+3	ng/dscm 7%O2	4.99e-5	lbs/hr	CC7%O2
Carbon disulfide	906C5R3	5.63e+2	ng/dscm 7%O2	4.22e-6	lbs/hr	CC7%O2
Carbon Tetrachloride	906C5R1	2.05e+5	ng/dscm 7%O2	1.78e-3	lbs/hr	CC7%O2
Carbon Tetrachloride	906C5R2	1.94e+5	ng/dscm 7%O2	1.66e-3	lbs/hr	CC7%O2
Carbon Tetrachloride	906C5R3	2.12e+5	ng/dscm 7%O2	1.59e-3	lbs/hr	CC7%O2
Chlorobenzene	906C5R1	2.36e+4	ng/dscm 7%O2	2.05e-4	lbs/hr	CC7%O2
Chlorobenzene	906C5R2	2.29e+4	ng/dscm 7%O2	1.96e-4	lbs/hr	CC7%O2
Chlorobenzene	906C5R3	2.75e+4	ng/dscm 7%O2	2.06e-4	lbs/hr	CC7%O2
Chloroethane	906C5R1	5.50e+2	ng/dscm 7%O2	4.78e-6	lbs/hr	CC7%O2
Chloroethane	906C5R2	ND	0.00e+0	0.00e+0		
Chloroethane	906C5R3	ND	0.00e+0	0.00e+0		
Chloroform	906C5R1	4.88e+4	ng/dscm 7%O2	4.24e-4	lbs/hr	CC7%O2
Chloroform	906C5R2	4.62e+4	ng/dscm 7%O2	3.96e-4	lbs/hr	CC7%O2
Chloroform	906C5R3	4.96e+4	ng/dscm 7%O2	3.72e-4	lbs/hr	CC7%O2
Chloromethane	906C5R1	4.34e+4	ng/dscm 7%O2	3.77e-4	lbs/hr	CC7%O2
Chloromethane	906C5R2	3.36e+4	ng/dscm 7%O2	2.88e-4	lbs/hr	CC7%O2
Chloromethane	906C5R3	5.93e+4	ng/dscm 7%O2	4.44e-4	lbs/hr	CC7%O2
Dibromochloroethane	906C5R1	7.12e+4	ng/dscm 7%O2	6.19e-4	lbs/hr	CC7%O2
Dibromochloroethane	906C5R2	6.68e+4	ng/dscm 7%O2	5.73e-4	lbs/hr	CC7%O2
Dibromochloroethane	906C5R3	4.90e+4	ng/dscm 7%O2	3.67e-4	lbs/hr	CC7%O2
Methylene Chloride	906C5R1	1.15e+4	ng/dscm 7%O2	1.00e-4	lbs/hr	CC7%O2
Methylene Chloride	906C5R2	1.17e+4	ng/dscm 7%O2	1.00e-4	lbs/hr	CC7%O2
Methylene Chloride	906C5R3	1.00e+4	ng/dscm 7%O2	7.51e-5	lbs/hr	CC7%O2
Tetrachloroethene	906C5R1	1.32e+3	ng/dscm 7%O2	1.15e-5	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: MONSANTO AGRICULTURAL COMPANY

2. STATE: IA

3. CITY: MUSCATINE

EPA ID: IAD005273594

REGION: 7

4. EP ID: 906 DEVICE NAME: CAC INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/PT

Tetrachloroethene	906C5R2	1.00e+3	ng/dscm	7%O2	8.59e-6	lbs/hr	CC7%O2
Tetrachloroethene	906C5R3	1.06e+3	ng/dscm	7%O2	7.96e-6	lbs/hr	CC7%O2
Toluene	906C5R1	6.20e+2	ng/dscm	7%O2	5.39e-6	lbs/hr	CC7%O2
Toluene	906C5R2	5.87e+2	ng/dscm	7%O2	5.03e-6	lbs/hr	CC7%O2
Toluene	906C5R3	6.18e+2	ng/dscm	7%O2	4.63e-6	lbs/hr	CC7%O2
Total Xylene	906C5R1	5.76e+2	ng/dscm	7%O2	5.00e-6	lbs/hr	CC7%O2
Total Xylene	906C5R2	6.57e+2	ng/dscm	7%O2	5.63e-6	lbs/hr	CC7%O2
Total Xylene	906C5R3	3.24e+2	ng/dscm	7%O2	2.43e-6	lbs/hr	CC7%O2
trans-1,2-Dichloroethene	906C5R1	6.53e+2	ng/dscm	7%O2	5.67e-6	lbs/hr	CC7%O2
trans-1,2-Dichloroethene	906C5R2	4.84e+2	ng/dscm	7%O2	4.15e-6	lbs/hr	CC7%O2
trans-1,2-Dichloroethene	906C5R3	5.32e+2	ng/dscm	7%O2	3.99e-6	lbs/hr	CC7%O2
Trichloroethene	906C5R1	7.57e+2	ng/dscm	7%O2	6.58e-6	lbs/hr	CC7%O2
Trichloroethene	906C5R2	4.49e+2	ng/dscm	7%O2	3.85e-6	lbs/hr	CC7%O2
Trichloroethene	906C5R3	6.79e+2	ng/dscm	7%O2	5.09e-6	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: NEPERA
 2. STATE: NY
 3. CITY: HARRIMAN
 4. EP ID: 712 DEVICE NAME: INCINERATOR EPA ID: NYD002014595 REGION: 2
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: UNCONTROLLED
 6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS
 7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	712C1R1	ND 9.05e-1 ug/dscm 7%O2	8.20e-5 lbs/hr	CC7%O2
Arsenic	712C1R2	ND 9.09e-1 ug/dscm 7%O2	8.06e-5 lbs/hr	CC7%O2
Arsenic	712C1R3	2.51e+0 ug/dscm 7%O2	2.27e-4 lbs/hr	CC7%O2
Arsenic	712C2R1	ND 4.97e-1 ug/dscm 7%O2	3.74e-5 lbs/hr	CC7%O2
Arsenic	712C2R2	7.72e-1 ug/dscm 7%O2	6.02e-5 lbs/hr	CC7%O2
Arsenic	712C2R3	ND 5.02e-1 ug/dscm 7%O2	3.92e-5 lbs/hr	CC7%O2
Beryllium	712C1R1	ND 9.05e-2 ug/dscm 7%O2	8.20e-6 lbs/hr	CC7%O2
Beryllium	712C1R2	ND 9.09e-2 ug/dscm 7%O2	8.06e-6 lbs/hr	CC7%O2
Beryllium	712C1R3	ND 9.32e-2 ug/dscm 7%O2	8.42e-6 lbs/hr	CC7%O2
Beryllium	712C2R1	5.77e-2 ug/dscm 7%O2	4.34e-6 lbs/hr	CC7%O2
Beryllium	712C2R2	7.09e-2 ug/dscm 7%O2	5.53e-6 lbs/hr	CC7%O2
Beryllium	712C2R3	9.05e-2 ug/dscm 7%O2	7.06e-6 lbs/hr	CC7%O2
Cadmium	712C1R1	ND 3.62e-1 ug/dscm 7%O2	3.28e-5 lbs/hr	CC7%O2
Cadmium	712C1R2	4.94e-1 ug/dscm 7%O2	4.38e-5 lbs/hr	CC7%O2
Cadmium	712C1R3	5.83e-1 ug/dscm 7%O2	5.27e-5 lbs/hr	CC7%O2
Cadmium	712C2R1	ND 4.97e-1 ug/dscm 7%O2	3.74e-5 lbs/hr	CC7%O2
Cadmium	712C2R2	7.92e-1 ug/dscm 7%O2	6.18e-5 lbs/hr	CC7%O2
Cadmium	712C2R3	ND 5.02e-1 ug/dscm 7%O2	3.92e-5 lbs/hr	CC7%O2
Chromium	712C1R1	2.49e+1 ug/dscm 7%O2	2.26e-3 lbs/hr	CC7%O2
Chromium	712C1R2	3.16e+1 ug/dscm 7%O2	2.80e-3 lbs/hr	CC7%O2
Chromium	712C1R3	9.41e+1 ug/dscm 7%O2	8.50e-3 lbs/hr	CC7%O2
Chromium	712C2R1	8.90e+0 ug/dscm 7%O2	6.69e-4 lbs/hr	CC7%O2
Chromium	712C2R2	1.13e+1 ug/dscm 7%O2	8.82e-4 lbs/hr	CC7%O2
Chromium	712C2R3	6.34e+0 ug/dscm 7%O2	4.95e-4 lbs/hr	CC7%O2
Chromium (Hex)	712C1R1	1.24e+1 ug/dscm 7%O2	1.12e-3 lbs/hr	CC7%O2
Chromium (Hex)	712C1R2	6.52e+0 ug/dscm 7%O2	5.78e-4 lbs/hr	CC7%O2
Chromium (Hex)	712C1R3	4.82e+0 ug/dscm 7%O2	4.35e-4 lbs/hr	CC7%O2
Chromium (Hex)	712C2R1	6.56e+0 ug/dscm 7%O2	4.93e-4 lbs/hr	CC7%O2
Chromium (Hex)	712C2R2	6.54e+0 ug/dscm 7%O2	5.10e-4 lbs/hr	CC7%O2
Chromium (Hex)	712C2R3	3.88e+0 ug/dscm 7%O2	3.03e-4 lbs/hr	CC7%O2
Nickel	712C1R1	7.74e+1 ug/dscm 7%O2	7.01e-3 lbs/hr	CC7%O2
Nickel	712C1R2	7.70e+1 ug/dscm 7%O2	6.83e-3 lbs/hr	CC7%O2
Nickel	712C1R3	2.45e+2 ug/dscm 7%O2	2.21e-2 lbs/hr	CC7%O2
Nickel	712C2R1	7.50e+0 ug/dscm 7%O2	5.64e-4 lbs/hr	CC7%O2
Nickel	712C2R2	9.51e+0 ug/dscm 7%O2	7.42e-4 lbs/hr	CC7%O2
Nickel	712C2R3	5.54e+0 ug/dscm 7%O2	4.32e-4 lbs/hr	CC7%O2
Selenium	712C2R1	1.13e+0 ug/dscm 7%O2	8.52e-5 lbs/hr	CC7%O2
Selenium	712C2R2	ND 5.14e-1 ug/dscm 7%O2	4.01e-5 lbs/hr	CC7%O2
Selenium	712C2R3	6.95e-1 ug/dscm 7%O2	5.42e-5 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	712C1R1	2.35e-2 gr/dscf 7%O2	4.88e+0 lbs/hr	CC7%O2
Particulate	712C1R2	2.28e-2 gr/dscf 7%O2	4.63e+0 lbs/hr	CC7%O2
Particulate	712C1R3	6.67e-2 gr/dscf 7%O2	1.38e+1 lbs/hr	CC7%O2
Particulate	712C2R1	1.97e-2 gr/dscf 7%O2	3.39e+0 lbs/hr	CC7%O2
Particulate	712C2R2	2.67e-2 gr/dscf 7%O2	4.77e+0 lbs/hr	CC7%O2
Particulate	712C2R3	1.99e-2 gr/dscf 7%O2	3.56e+0 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: NEW BEDFORD HARBOR SUPERFUND SITE
 2. STATE: MA
 3. CITY: NEWBEDFORD
 4. EP ID: 903 DEVICE NAME: IRF

EPA ID: ?
 SYSTEM TYPE: PILOT-SCALE INCINERATOR

REGION: 1
 APC SYSTEM: VS/PT/CA/HEPA

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: WS Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	903C1	3.39e-3 ng/dscm 7%O2	1.38e-11 lbs/hr	CE7%O2
4D 2378	903C2	3.18e-3 ng/dscm 7%O2	1.33e-11 lbs/hr	CE7%O2
4D 2378	903C3R2	3.30e-3 ng/dscm 7%O2	1.22e-11 lbs/hr	CE7%O2
4D Other	903C1	1.47e-2 ng/dscm 7%O2	6.00e-11 lbs/hr	OCE
4D Other	903C2	7.42e-3 ng/dscm 7%O2	3.09e-11 lbs/hr	OCE
4D Other	903C3R2	5.51e-3 ng/dscm 7%O2	2.03e-11 lbs/hr	OCE
4D Total	903C1	1.81e-2 ng/dscm 7%O2	7.38e-11 lbs/hr	CE7%O2
4D Total	903C2	1.06e-2 ng/dscm 7%O2	4.42e-11 lbs/hr	CE7%O2
4D Total	903C3R2	8.81e-3 ng/dscm 7%O2	3.24e-11 lbs/hr	CE7%O2
4F 2378	903C1	5.19e-1 ng/dscm 7%O2	2.12e-9 lbs/hr	CE7%O2
4F 2378	903C2	2.97e-1 ng/dscm 7%O2	1.24e-9 lbs/hr	CE7%O2
4F 2378	903C3R2	2.97e-1 ng/dscm 7%O2	1.09e-9 lbs/hr	CE7%O2
4F Other	903C1	2.63e+0 ng/dscm 7%O2	1.07e-8 lbs/hr	OCE
4F Other	903C2	1.59e+0 ng/dscm 7%O2	6.63e-9 lbs/hr	OCE
4F Other	903C3R2	1.33e+0 ng/dscm 7%O2	4.91e-9 lbs/hr	OCE
4F Total	903C1	3.15e+0 ng/dscm 7%O2	1.29e-8 lbs/hr	CE7%O2
4F Total	903C2	1.89e+0 ng/dscm 7%O2	7.87e-9 lbs/hr	CE7%O2
4F Total	903C3R2	1.63e+0 ng/dscm 7%O2	6.00e-9 lbs/hr	CE7%O2
5D 12378	903C1	2.26e-3 ng/dscm 7%O2	9.23e-12 lbs/hr	CE7%O2
5D 12378	903C2	2 1.06e-3 ng/dscm 7%O2	4.42e-12 lbs/hr	CE7%O2
5D 12378	903C3R2	ND 3.30e-3 ng/dscm 7%O2	1.22e-11 lbs/hr	CE7%O2
5D Other	903C1	3.39e-3 ng/dscm 7%O2	1.38e-11 lbs/hr	OCE
5D Other	903C2	9.55e-3 ng/dscm 7%O2	3.98e-11 lbs/hr	OCE
5D Other	903C3R2	2.20e-3 ng/dscm 7%O2	8.11e-12 lbs/hr	OCE
5D Total	903C1	5.65e-3 ng/dscm 7%O2	2.31e-11 lbs/hr	CE7%O2
5D Total	903C2	1.06e-2 ng/dscm 7%O2	4.42e-11 lbs/hr	CE7%O2
5D Total	903C3R2	5.51e-3 ng/dscm 7%O2	2.03e-11 lbs/hr	CE7%O2
5F 12378	903C1	8.47e-2 ng/dscm 7%O2	3.46e-10 lbs/hr	CE7%O2
5F 12378	903C2	3.50e-2 ng/dscm 7%O2	1.46e-10 lbs/hr	CE7%O2
5F 12378	903C3R2	3.86e-2 ng/dscm 7%O2	1.42e-10 lbs/hr	CE7%O2
5F 23478	903C1	1.00e-1 ng/dscm 7%O2	4.11e-10 lbs/hr	CE7%O2
5F 23478	903C2	3.18e-2 ng/dscm 7%O2	1.33e-10 lbs/hr	CE7%O2
5F 23478	903C3R2	5.07e-2 ng/dscm 7%O2	1.86e-10 lbs/hr	CE7%O2
5F Other	903C1	6.95e-1 ng/dscm 7%O2	2.84e-9 lbs/hr	OCE
5F Other	903C2	2.51e-1 ng/dscm 7%O2	1.05e-9 lbs/hr	OCE
5F Other	903C3R2	3.84e-1 ng/dscm 7%O2	1.41e-9 lbs/hr	OCE
5F Total	903C1	8.81e-1 ng/dscm 7%O2	3.60e-9 lbs/hr	CE7%O2
5F Total	903C2	3.18e-1 ng/dscm 7%O2	1.33e-9 lbs/hr	CE7%O2
5F Total	903C3R2	4.74e-1 ng/dscm 7%O2	1.74e-9 lbs/hr	CE7%O2
6D 123478	903C1	1.13e-3 ng/dscm 7%O2	4.61e-12 lbs/hr	CE7%O2
6D 123478	903C2	2 1.06e-3 ng/dscm 7%O2	4.42e-12 lbs/hr	CE7%O2
6D 123478	903C3R2	ND 3.30e-3 ng/dscm 7%O2	1.22e-11 lbs/hr	CE7%O2
6D 123678	903C1	1.13e-3 ng/dscm 7%O2	4.61e-12 lbs/hr	CE7%O2
6D 123678	903C2	1.06e-3 ng/dscm 7%O2	4.42e-12 lbs/hr	CE7%O2
6D 123678	903C3R2	ND 2.20e-3 ng/dscm 7%O2	8.11e-12 lbs/hr	CE7%O2
6D 123789	903C1	2.26e-3 ng/dscm 7%O2	9.23e-12 lbs/hr	CE7%O2
6D 123789	903C2	ND 1.06e-3 ng/dscm 7%O2	4.42e-12 lbs/hr	CE7%O2
6D 123789	903C3R2	ND 3.30e-3 ng/dscm 7%O2	1.22e-11 lbs/hr	CE7%O2
6D Other	903C1	7.90e-3 ng/dscm 7%O2	3.23e-11 lbs/hr	OCE
6D Other	903C2	5.30e-3 ng/dscm 7%O2	2.21e-11 lbs/hr	OCE
6D Other	903C3R2	-2.12e-22 ng/dscm 7%O2	-7.89e-31 lbs/hr	OCE
6D Total	903C1	1.24e-2 ng/dscm 7%O2	5.07e-11 lbs/hr	CE7%O2
6D Total	903C2	8.48e-3 ng/dscm 7%O2	3.54e-11 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: NEW BEDFORD HARBOR SUPERFUND SITE
 2. STATE: MA
 3. CITY: NEWBEDFORD
 4. EP ID: 903 DEVICE NAME: IRF

EPA ID: ? REGION: 1
 SYSTEM TYPE: PILOT-SCALE INCINERATOR APC SYSTEM: VS/PT/CA/HEPA

6D Total	903C3R2		8.81e-3	ng/dscm 7%O2	3.24e-11	lbs/hr	CE7%O2
6F 123478	903C1		3.95e-2	ng/dscm 7%O2	1.61e-10	lbs/hr	CE7%O2
6F 123478	903C2		2.12e-2	ng/dscm 7%O2	8.84e-11	lbs/hr	CE7%O2
6F 123478	903C3R2		4.19e-2	ng/dscm 7%O2	1.54e-10	lbs/hr	CE7%O2
6F 123678	903C1		1.47e-2	ng/dscm 7%O2	6.00e-11	lbs/hr	CE7%O2
6F 123678	903C2		8.48e-3	ng/dscm 7%O2	3.54e-11	lbs/hr	CE7%O2
6F 123678	903C3R2		1.54e-2	ng/dscm 7%O2	5.68e-11	lbs/hr	CE7%O2
6F 123789	903C1	2	1.13e-3	ng/dscm 7%O2	4.61e-12	lbs/hr	CE7%O2
6F 123789	903C2		1.06e-3	ng/dscm 7%O2	4.42e-12	lbs/hr	CE7%O2
6F 123789	903C3R2	ND	2.20e-3	ng/dscm 7%O2	8.11e-12	lbs/hr	CE7%O2
6F 234678	903C1		1.81e-2	ng/dscm 7%O2	7.38e-11	lbs/hr	CE7%O2
6F 234678	903C2		1.06e-2	ng/dscm 7%O2	4.42e-11	lbs/hr	CE7%O2
6F 234678	903C3R2		2.42e-2	ng/dscm 7%O2	8.92e-11	lbs/hr	CE7%O2
6F Other	903C1		7.34e-2	ng/dscm 7%O2	3.00e-10	lbs/hr	OCE
6F Other	903C2		3.29e-2	ng/dscm 7%O2	1.37e-10	lbs/hr	OCE
6F Other	903C3R2		8.15e-2	ng/dscm 7%O2	3.00e-10	lbs/hr	OCE
6F Total	903C1		1.47e-1	ng/dscm 7%O2	6.00e-10	lbs/hr	CE7%O2
6F Total	903C2		7.42e-2	ng/dscm 7%O2	3.09e-10	lbs/hr	CE7%O2
6F Total	903C3R2		1.65e-1	ng/dscm 7%O2	6.08e-10	lbs/hr	CE7%O2
7D 1234678	903C1	2	9.03e-3	ng/dscm 7%O2	3.69e-11	lbs/hr	CE7%O2
7D 1234678	903C2		1.38e-2	ng/dscm 7%O2	5.75e-11	lbs/hr	CE7%O2
7D 1234678	903C3R2		8.81e-3	ng/dscm 7%O2	3.24e-11	lbs/hr	CE7%O2
7D Other	903C1		0.00e+0		0.00e+0		OCE
7D Other	903C2		1.06e-2	ng/dscm 7%O2	4.42e-11	lbs/hr	OCE
7D Other	903C3R2		1.21e-2	ng/dscm 7%O2	4.46e-11	lbs/hr	OCE
7D Total	903C1		9.03e-3	ng/dscm 7%O2	3.69e-11	lbs/hr	CE7%O2
7D Total	903C2		2.44e-2	ng/dscm 7%O2	1.02e-10	lbs/hr	CE7%O2
7D Total	903C3R2		2.09e-2	ng/dscm 7%O2	7.70e-11	lbs/hr	CE7%O2
7F 1234678	903C1	2	1.24e-2	ng/dscm 7%O2	5.07e-11	lbs/hr	CE7%O2
7F 1234678	903C2		1.06e-2	ng/dscm 7%O2	4.42e-11	lbs/hr	CE7%O2
7F 1234678	903C3R2	2	2.42e-2	ng/dscm 7%O2	8.92e-11	lbs/hr	CE7%O2
7F 1234789	903C1		2.26e-3	ng/dscm 7%O2	9.23e-12	lbs/hr	CE7%O2
7F 1234789	903C2		3.18e-3	ng/dscm 7%O2	1.33e-11	lbs/hr	CE7%O2
7F 1234789	903C3R2	2	5.51e-3	ng/dscm 7%O2	2.03e-11	lbs/hr	CE7%O2
7F Other	903C1		-9.03e-3	ng/dscm 7%O2	-3.69e-11	lbs/hr	OCE
7F Other	903C2		7.42e-3	ng/dscm 7%O2	3.09e-11	lbs/hr	OCE
7F Other	903C3R2		-2.75e-2	ng/dscm 7%O2	-1.01e-10	lbs/hr	OCE
7F Total	903C1		5.65e-3	ng/dscm 7%O2	2.31e-11	lbs/hr	CE7%O2
7F Total	903C2		2.12e-2	ng/dscm 7%O2	8.84e-11	lbs/hr	CE7%O2
7F Total	903C3R2		2.20e-3	ng/dscm 7%O2	8.11e-12	lbs/hr	CE7%O2
8D	903C1		4.85e-2	ng/dscm 7%O2	1.98e-10	lbs/hr	CE7%O2
8D	903C2		6.36e-2	ng/dscm 7%O2	2.65e-10	lbs/hr	CE7%O2
8D	903C3R2		3.30e-2	ng/dscm 7%O2	1.22e-10	lbs/hr	CE7%O2
8F	903C1		1.47e-2	ng/dscm 7%O2	6.00e-11	lbs/hr	CE7%O2
8F	903C2		1.06e-2	ng/dscm 7%O2	4.42e-11	lbs/hr	CE7%O2
8F	903C3R2		1.76e-2	ng/dscm 7%O2	6.49e-11	lbs/hr	CE7%O2
TEQ	903C1		1.19e-1	ng/dscm 7%O2	4.86e-10	lbs/hr	CCET
TEQ	903C2		5.59e-2	ng/dscm 7%O2	2.33e-10	lbs/hr	CCET
TEQ	903C3R2		7.16e-2	ng/dscm 7%O2	2.64e-10	lbs/hr	CCET
Total PCDD/PCDF	903C1		4.29e+0	ng/dscm 7%O2	1.75e-8	lbs/hr	CCET
Total PCDD/PCDF	903C2		2.43e+0	ng/dscm 7%O2	1.01e-8	lbs/hr	CCET
Total PCDD/PCDF	903C3R2		2.37e+0	ng/dscm 7%O2	8.71e-9	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	903C1	2.31e-1 ppmv 7%O2	1.43e-3 lbs/hr	CE7%O2
HCl	903C2	2.52e+0 ppmv 7%O2	1.59e-2 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: NEW BEDFORD HARBOR SUPERFUND SITE
 2. STATE: MA
 3. CITY: NEWBEDFORD
 4. EP ID: 903 DEVICE NAME: IRF

EPA ID: ? REGION: 1
 SYSTEM TYPE: PILOT-SCALE INCINERATOR APC SYSTEM: VS/PT/CA/HEPA

HCl	903C3R2	8.30e-1 ppmv 7%O2	4.62e-3 lbs/hr	CE7%O2
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7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Cadmium	903C1	3.94e+1 ug/dscm 7%O2	1.61e-4 lbs/hr	CE7%O2
Cadmium	903C2	5.87e+1 ug/dscm 7%O2	2.44e-4 lbs/hr	CE7%O2
Cadmium	903C3R2	8.70e+1 ug/dscm 7%O2	3.20e-4 lbs/hr	CE7%O2
Chromium	903C1	1.78e+2 ug/dscm 7%O2	7.29e-4 lbs/hr	CE7%O2
Chromium	903C2	7.76e+1 ug/dscm 7%O2	3.24e-4 lbs/hr	CE7%O2
Chromium	903C3R2	9.24e+1 ug/dscm 7%O2	3.40e-4 lbs/hr	CE7%O2
Lead	903C1	1.02e+3 ug/dscm 7%O2	4.17e-3 lbs/hr	CE7%O2
Lead	903C2	1.35e+3 ug/dscm 7%O2	5.63e-3 lbs/hr	CE7%O2
Lead	903C3R2	2.23e+3 ug/dscm 7%O2	8.19e-3 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	903C1	3.45e-2 gr/dscf 7%O2	3.23e-1 lbs/hr	CE7%O2
Particulate	903C2	3.80e-2 gr/dscf 7%O2	3.63e-1 lbs/hr	CE7%O2
Particulate	903C3R2	4.86e-2 gr/dscf 7%O2	4.09e-1 lbs/hr	CE7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Aroclor-1242	903C1	8.58e+2 ng/dscm 7%O2	3.51e-6 lbs/hr	CE7%O2
Aroclor-1242	903C2	5.73e+2 ng/dscm 7%O2	2.39e-6 lbs/hr	CE7%O2
Aroclor-1242	903C3R2	ND 2.86e+2 ng/dscm 7%O2	1.05e-6 lbs/hr	CE7%O2
Aroclor-1254	903C1	2.48e+2 ng/dscm 7%O2	1.01e-6 lbs/hr	CE7%O2
Aroclor-1254	903C2	2.23e+2 ng/dscm 7%O2	9.28e-7 lbs/hr	CE7%O2
Aroclor-1254	903C3R2	ND 9.91e+1 ng/dscm 7%O2	3.65e-7 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1-Dichloroethene	903C1	6.77e+2 ng/dscm 7%O2	2.77e-6 lbs/hr	CE7%O2
1,1-Dichloroethene	903C2	ND 1.06e+2 ng/dscm 7%O2	4.42e-7 lbs/hr	CE7%O2
1,1-Dichloroethene	903C3R2	2.20e+2 ng/dscm 7%O2	8.11e-7 lbs/hr	CE7%O2
Acetone	903C1	5.76e+3 ng/dscm 7%O2	2.35e-5 lbs/hr	CE7%O2
Acetone	903C2	ND 1.06e+2 ng/dscm 7%O2	4.42e-7 lbs/hr	CE7%O2
Acetone	903C3R2	ND 1.10e+2 ng/dscm 7%O2	4.05e-7 lbs/hr	CE7%O2
Benzene	903C1	ND 1.13e+2 ng/dscm 7%O2	4.61e-7 lbs/hr	CE7%O2
Benzene	903C2	ND 1.06e+2 ng/dscm 7%O2	4.42e-7 lbs/hr	CE7%O2
Benzene	903C3R2	9.91e+2 ng/dscm 7%O2	3.65e-6 lbs/hr	CE7%O2
Bromoform	903C1	ND 1.13e+2 ng/dscm 7%O2	4.61e-7 lbs/hr	CE7%O2
Bromoform	903C2	ND 1.06e+2 ng/dscm 7%O2	4.42e-7 lbs/hr	CE7%O2
Bromoform	903C3R2	8.81e+2 ng/dscm 7%O2	3.24e-6 lbs/hr	CE7%O2
Carbon disulfide	903C1	4.63e+3 ng/dscm 7%O2	1.89e-5 lbs/hr	CE7%O2
Carbon disulfide	903C2	6.36e+2 ng/dscm 7%O2	2.65e-6 lbs/hr	CE7%O2
Carbon disulfide	903C3R2	4.41e+2 ng/dscm 7%O2	1.62e-6 lbs/hr	CE7%O2
Carbon Tetrachloride	903C1	ND 1.13e+2 ng/dscm 7%O2	4.61e-7 lbs/hr	CE7%O2
Carbon Tetrachloride	903C2	ND 1.06e+2 ng/dscm 7%O2	4.42e-7 lbs/hr	CE7%O2
Carbon Tetrachloride	903C3R2	2.20e+2 ng/dscm 7%O2	8.11e-7 lbs/hr	CE7%O2
Chlorobenzene	903C1	1.81e+3 ng/dscm 7%O2	7.38e-6 lbs/hr	CE7%O2
Chlorobenzene	903C2	4.14e+3 ng/dscm 7%O2	1.72e-5 lbs/hr	CE7%O2
Chlorobenzene	903C3R2	ND 1.10e+2 ng/dscm 7%O2	4.05e-7 lbs/hr	CE7%O2
Chloroform	903C1	2.26e+2 ng/dscm 7%O2	9.22e-7 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: NEW BEDFORD HARBOR SUPERFUND SITE
 2. STATE: MA
 3. CITY: NEWBEDFORD
 4. EP ID: 903 DEVICE NAME: IRF

EPA ? REGION: 1
 SYSTEM TYPE: PILOT-SCALE INCINERATOR APC SYSTEM: VS/PT/CA/HEPA

Chloroform	903C2	ND	1.06e+2	ng/dscm	7%O2	4.42e-7	lbs/hr	CE7%O2
Chloroform	903C3R2		4.41e+2	ng/dscm	7%O2	1.62e-6	lbs/hr	CE7%O2
Methylene Chloride	903C1		2.71e+5	ng/dscm	7%O2	1.11e-3	lbs/hr	CE7%O2
Methylene Chloride	903C2	ND	1.06e+2	ng/dscm	7%O2	4.42e-7	lbs/hr	CE7%O2
Methylene Chloride	903C3R2		2.64e+4	ng/dscm	7%O2	9.73e-5	lbs/hr	CE7%O2
Toluene	903C1		6.77e+2	ng/dscm	7%O2	2.77e-6	lbs/hr	CE7%O2
Toluene	903C2		3.92e+3	ng/dscm	7%O2	1.64e-5	lbs/hr	CE7%O2
Toluene	903C3R2	ND	1.10e+2	ng/dscm	7%O2	4.05e-7	lbs/hr	CE7%O2
Trichloroethene	903C1		1.13e+2	ng/dscm	7%O2	4.61e-7	lbs/hr	CE7%O2
Trichloroethene	903C2	ND	1.06e+2	ng/dscm	7%O2	4.42e-7	lbs/hr	CE7%O2
Trichloroethene	903C3R2	ND	1.10e+2	ng/dscm	7%O2	4.05e-7	lbs/hr	CE7%O2

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
HCl	903C1	ND	2.24e-1	ppmv 7%O2	1.19e-3	lbs/hr	CE7%O2
HCl	903C2		6.95e+0	ppmv 7%O2	3.95e-2	lbs/hr	CE7%O2
HCl	903C3R2		8.20e+0	ppmv 7%O2	5.13e-2	lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Particulate	903C1		2.53e-2	gr/dscf 7%O2	2.04e-1	lbs/hr	CE7%O2
Particulate	903C2		3.22e-2	gr/dscf 7%O2	2.77e-1	lbs/hr	CE7%O2
Particulate	903C3R2		2.43e-2	gr/dscf 7%O2	2.30e-1	lbs/hr	CE7%O2

5. Type: UNCONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: GAS

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Cadmium	903C1		4.20e+1	ug/dscm 7%O2	1.70e-4	lbs/hr	CE7%O2
Cadmium	903C2		7.24e+1	ug/dscm 7%O2	3.08e-4	lbs/hr	CE7%O2
Cadmium	903C3R2		5.15e+1	ug/dscm 7%O2	2.12e-4	lbs/hr	CE7%O2
Chromium	903C1		2.17e+2	ug/dscm 7%O2	8.81e-4	lbs/hr	CE7%O2
Chromium	903C2		1.27e+2	ug/dscm 7%O2	5.40e-4	lbs/hr	CE7%O2
Chromium	903C3R2		1.26e+2	ug/dscm 7%O2	5.19e-4	lbs/hr	CE7%O2
Lead	903C1		1.02e+3	ug/dscm 7%O2	4.14e-3	lbs/hr	CE7%O2
Lead	903C2		1.69e+3	ug/dscm 7%O2	7.20e-3	lbs/hr	CE7%O2
Lead	903C3R2		9.83e+2	ug/dscm 7%O2	4.05e-3	lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: OCCIDENTAL CHEMICAL CORP.
 2. STATE: NY
 3. CITY: NIAGARA FALLS EPA NYD000824482 REGION: 2
 4. EP ID: 348 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/AS/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	348C1R1	5.09e-1 ppmv 7%O2	2.40e-2 lbs/hr	CC7%O2
Chlorine	348C1R2	4.99e-1 ppmv 7%O2	2.40e-2 lbs/hr	CC7%O2
Chlorine	348C1R3	2.49e-1 ppmv 7%O2	1.20e-2 lbs/hr	CC7%O2
HCl	348C1R1	ND 5.70e-2 ppmv 7%O2	1.38e-3 lbs/hr	CC7%O2
HCl	348C1R2	ND 4.85e-2 ppmv 7%O2	1.20e-3 lbs/hr	CC7%O2
HCl	348C1R3	ND 5.56e-2 ppmv 7%O2	1.38e-3 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	348C1R1	ND 9.17e-1 ug/dscm 7%O2	1.47e-5 lbs/hr	CC7%O2
Arsenic	348C1R2	ND 3.53e-1 ug/dscm 7%O2	5.77e-6 lbs/hr	CC7%O2
Arsenic	348C1R3	ND 3.60e-1 ug/dscm 7%O2	5.90e-6 lbs/hr	CC7%O2
Cadmium	348C1R1	5.54e+0 ug/dscm 7%O2	8.88e-5 lbs/hr	CC7%O2
Cadmium	348C1R2	1.29e+0 ug/dscm 7%O2	2.12e-5 lbs/hr	CC7%O2
Cadmium	348C1R3	1.65e+0 ug/dscm 7%O2	2.71e-5 lbs/hr	CC7%O2
Chromium	348C1R1	3.25e+0 ug/dscm 7%O2	5.20e-5 lbs/hr	CC7%O2
Chromium	348C1R2	2.03e+0 ug/dscm 7%O2	3.32e-5 lbs/hr	CC7%O2
Chromium	348C1R3	2.19e+0 ug/dscm 7%O2	3.60e-5 lbs/hr	CC7%O2
Chromium (Hex)	348C1R1	ND 3.07e-1 ug/dscm 7%O2	4.92e-6 lbs/hr	CC7%O2
Chromium (Hex)	348C1R2	ND 2.82e-1 ug/dscm 7%O2	4.62e-6 lbs/hr	CC7%O2
Chromium (Hex)	348C1R3	ND 2.60e-1 ug/dscm 7%O2	4.26e-6 lbs/hr	CC7%O2
Nickel	348C1R1	9.55e+0 ug/dscm 7%O2	1.53e-4 lbs/hr	CC7%O2
Nickel	348C1R2	3.41e+0 ug/dscm 7%O2	5.57e-5 lbs/hr	CC7%O2
Nickel	348C1R3	3.69e+0 ug/dscm 7%O2	6.06e-5 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	348C1R1	3.20e-3 gr/dscf 7%O2	1.18e-1 lbs/hr	CE
Particulate	348C1R2	9.00e-4 gr/dscf 7%O2	3.38e-2 lbs/hr	CE
Particulate	348C1R3	1.00e-3 gr/dscf 7%O2	3.76e-2 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	348C1R1	8.40e+0 ppmv 7%O2	1.57e-1 lbs/hr	CE
CO	348C1R2	6.70e+0 ppmv 7%O2	1.27e-1 lbs/hr	CE
CO	348C1R3	8.30e+0 ppmv 7%O2	1.58e-1 lbs/hr	CE

5. Type: UNCONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: PRIMARY EXIT Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	348C1R2	1.55e+4 ppmv 7%O2	6.51e+2 lbs/hr	CE7%O2
HCl	348C1R3	1.71e+4 ppmv 7%O2	7.17e+2 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: OCCIDENTAL CHEMICAL CORP.

2. STATE: NY

3. CITY: NIAGARA FALLS

EPA ID: NYD000824482

REGION: 2

4. EP ID: 348 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/AS/IWS

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	348C1R2	7.72e-1 gr/dscf 7%O2	4.92e+1 lbs/hr	CC7%O2
Particulate	348C1R3	1.18e+0 gr/dscf 7%O2	7.49e+1 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: OLIN CHEMICALS

2. STATE: IL

3. CITY: EAST ALTON

EPA ILD006271696

REGION: 5

4. EP ID: 337 DEVICE NAME: UNIT NO. 2

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/DA/DI/FF

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: STARVED-AIR

Location: STACK

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	337C1R1	7.00e+0	ppmv 7%O2	1.54e-1 lbs/hr	CC7%O2
Chlorine	337C1R2	5.04e+0	ppmv 7%O2	1.76e-1 lbs/hr	CC7%O2
Chlorine	337C1R3	4.72e+0	ppmv 7%O2	1.54e-1 lbs/hr	CC7%O2
Chlorine	337C1R4	4.99e+0	ppmv 7%O2	1.54e-1 lbs/hr	CC7%O2
HCl	337C2R1	ND	2.32e-1 ppmv 7%O2	3.92e-3 lbs/hr	CC7%O2
HCl	337C2R2	ND	4.57e-1 ppmv 7%O2	7.09e-3 lbs/hr	CC7%O2
HCl	337C2R3	ND	2.40e-1 ppmv 7%O2	3.42e-3 lbs/hr	CC7%O2
HCl	337C2R4	ND	4.57e-1 ppmv 7%O2	7.51e-3 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	337C1R1	ND	3.61e+2 ug/dscm 7%O2	2.71e-3 lbs/hr	CC7%O2
Antimony	337C1R2	ND	2.20e+2 ug/dscm 7%O2	2.62e-3 lbs/hr	CC7%O2
Antimony	337C1R3	ND	1.40e+2 ug/dscm 7%O2	1.56e-3 lbs/hr	CC7%O2
Antimony	337C1R4	ND	1.53e+2 ug/dscm 7%O2	1.61e-3 lbs/hr	CC7%O2
Arsenic	337C1R1		3.61e+0 ug/dscm 7%O2	2.71e-5 lbs/hr	CC7%O2
Arsenic	337C1R2		4.60e+0 ug/dscm 7%O2	5.48e-5 lbs/hr	CC7%O2
Arsenic	337C1R3		1.53e+0 ug/dscm 7%O2	1.70e-5 lbs/hr	CC7%O2
Arsenic	337C1R4	ND	1.11e+0 ug/dscm 7%O2	1.17e-5 lbs/hr	CC7%O2
Barium	337C1R1	ND	3.48e+2 ug/dscm 7%O2	2.61e-3 lbs/hr	CC7%O2
Barium	337C1R2	ND	2.20e+2 ug/dscm 7%O2	2.62e-3 lbs/hr	CC7%O2
Barium	337C1R3	ND	1.40e+2 ug/dscm 7%O2	1.56e-3 lbs/hr	CC7%O2
Barium	337C1R4	ND	1.53e+2 ug/dscm 7%O2	1.61e-3 lbs/hr	CC7%O2
Beryllium	337C1R1	ND	6.58e+0 ug/dscm 7%O2	4.93e-5 lbs/hr	CC7%O2
Beryllium	337C1R2	ND	4.00e+0 ug/dscm 7%O2	4.76e-5 lbs/hr	CC7%O2
Beryllium	337C1R3	ND	2.55e+0 ug/dscm 7%O2	2.84e-5 lbs/hr	CC7%O2
Beryllium	337C1R4	ND	2.79e+0 ug/dscm 7%O2	2.93e-5 lbs/hr	CC7%O2
Cadmium	337C1R1		3.28e+1 ug/dscm 7%O2	2.46e-4 lbs/hr	CC7%O2
Cadmium	337C1R2	ND	1.80e+1 ug/dscm 7%O2	2.14e-4 lbs/hr	CC7%O2
Cadmium	337C1R3	ND	1.03e+1 ug/dscm 7%O2	1.14e-4 lbs/hr	CC7%O2
Cadmium	337C1R4		1.26e+1 ug/dscm 7%O2	1.32e-4 lbs/hr	CC7%O2
Chromium	337C1R1	ND	5.92e+1 ug/dscm 7%O2	4.44e-4 lbs/hr	CC7%O2
Chromium	337C1R2	ND	3.60e+1 ug/dscm 7%O2	4.29e-4 lbs/hr	CC7%O2
Chromium	337C1R3	ND	2.30e+1 ug/dscm 7%O2	2.56e-4 lbs/hr	CC7%O2
Chromium	337C1R4	ND	2.51e+1 ug/dscm 7%O2	2.64e-4 lbs/hr	CC7%O2
Lead	337C1R1	ND	1.15e+2 ug/dscm 7%O2	8.63e-4 lbs/hr	CC7%O2
Lead	337C1R2	ND	7.01e+1 ug/dscm 7%O2	8.34e-4 lbs/hr	CC7%O2
Lead	337C1R3		6.65e+1 ug/dscm 7%O2	7.39e-4 lbs/hr	CC7%O2
Lead	337C1R4		5.01e+1 ug/dscm 7%O2	5.27e-4 lbs/hr	CC7%O2
Mercury	337C1R1		2.79e+2 ug/dscm 7%O2	2.09e-3 lbs/hr	CC7%O2
Mercury	337C1R2		1.79e+2 ug/dscm 7%O2	2.13e-3 lbs/hr	CC7%O2
Mercury	337C1R3		1.48e+2 ug/dscm 7%O2	1.65e-3 lbs/hr	CC7%O2
Mercury	337C1R4		1.46e+2 ug/dscm 7%O2	1.54e-3 lbs/hr	CC7%O2
Silver	337C1R1	ND	5.92e+1 ug/dscm 7%O2	4.44e-4 lbs/hr	CC7%O2
Silver	337C1R2	ND	3.60e+1 ug/dscm 7%O2	4.29e-4 lbs/hr	CC7%O2
Silver	337C1R3	ND	2.30e+1 ug/dscm 7%O2	2.56e-4 lbs/hr	CC7%O2
Silver	337C1R4	ND	2.51e+1 ug/dscm 7%O2	2.64e-4 lbs/hr	CC7%O2
Thallium	337C1R1	ND	3.61e+2 ug/dscm 7%O2	2.71e-3 lbs/hr	CC7%O2
Thallium	337C1R2	ND	2.20e+2 ug/dscm 7%O2	2.62e-3 lbs/hr	CC7%O2
Thallium	337C1R3	ND	1.40e+2 ug/dscm 7%O2	1.56e-3 lbs/hr	CC7%O2
Thallium	337C1R4	ND	1.53e+2 ug/dscm 7%O2	1.61e-3 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: OLIN CHEMICALS
 2. STATE: IL
 3. CITY: EAST ALTON
 4. EP ID: 337 DEVICE NAME: UNIT NO. 2

EPA ID: ILD006271696
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: WHB/DA/DI/FF

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	337C1R1	5.31e-4 gr/dscf 7%O2	9.13e-3 lbs/hr	CE7%O2
Particulate	337C1R2	1.61e-4 gr/dscf 7%O2	4.39e-3 lbs/hr	CE7%O2
Particulate	337C1R3	3.06e-4 gr/dscf 7%O2	7.80e-3 lbs/hr	CE7%O2
Particulate	337C1R4	1.66e-4 gr/dscf 7%O2	4.01e-3 lbs/hr	CE7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
2,4-Dinitrotoluene	337C2R1	2.91e+3 ng/dscm 7%O2	3.26e-5 lbs/hr	CC7%O2
2,4-Dinitrotoluene	337C2R2	2.94e+3 ng/dscm 7%O2	3.02e-5 lbs/hr	CC7%O2
2,4-Dinitrotoluene	337C2R3	3.42e+3 ng/dscm 7%O2	3.22e-5 lbs/hr	CC7%O2
2,4-Dinitrotoluene	337C2R4	2.69e+3 ng/dscm 7%O2	2.93e-5 lbs/hr	CC7%O2
Nitroglycerine	337C2R1	7.03e+3 ng/dscm 7%O2	7.87e-5 lbs/hr	CC7%O2
Nitroglycerine	337C2R2	7.05e+3 ng/dscm 7%O2	7.24e-5 lbs/hr	CC7%O2
Nitroglycerine	337C2R3	9.37e+3 ng/dscm 7%O2	8.83e-5 lbs/hr	CC7%O2
Nitroglycerine	337C2R4	4.85e+3 ng/dscm 7%O2	5.28e-5 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	337C1R1	5.75e+0 ppmv 7%O2	5.01e-2 lbs/hr	CE7%O2
CO	337C1R2	2.80e-1 ppmv 7%O2	3.88e-3 lbs/hr	CE7%O2
CO	337C1R3	8.75e-1 ppmv 7%O2	1.13e-2 lbs/hr	CE7%O2
CO	337C2R1	9.77e-1 ppmv 7%O2	1.27e-2 lbs/hr	CE7%O2
CO	337C2R2	6.37e-1 ppmv 7%O2	7.60e-3 lbs/hr	CE7%O2
CO	337C2R3	3.34e-1 ppmv 7%O2	3.65e-3 lbs/hr	CE7%O2
CO	337C2R4	6.52e-1 ppmv 7%O2	8.24e-3 lbs/hr	CE7%O2
THC	337C2R1	3.25e+0 ppmv 7%O2	6.66e-2 lbs/hr	CE7%O2
THC	337C2R2	3.18e+0 ppmv 7%O2	5.97e-2 lbs/hr	CE7%O2
THC	337C2R3	3.33e+0 ppmv 7%O2	5.74e-2 lbs/hr	CE7%O2
THC	337C2R4	3.25e+0 ppmv 7%O2	6.47e-2 lbs/hr	CE7%O2

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