

SOLID WASTE COMPOSITION STUDY REPORT



SOLID WASTE BOILER FACILITY

AUGUST 5, 2009



**2850 100TH COURT NE
BLAINE, MN 55449**

TEL: (612) 285-9865

FAX: (612) 285-9000

www.swdi.com



- Transportation
- Incineration
- Landfilling
- Hazardous Waste Mgmt.
- Solidification
- Liquid Waste Mgmt.
- Waste Water
- TSCA / PCB / Asbestos
- Beneficial Re-Use
- Remediation
- Soil Treatment
- Soil Disposal
- Stabilization
- Bio-Remediation
- Regulatory Compliance
- Permitting
- Waste Characterization
- Analytical Testing

August 5, 2009

Mr. Jeff Huppert
Red Wing Solid Waste Boiler Facility
1873 Bench Street
Red Wing, MN 55066

Re: 2009 Solid Waste Composition Study Results

Dear Mr. Huppert:

This report summarizes the results from the Solid Waste Composition Study (Study) performed by your facility during the month of July, 2009.

For each of the 40 samples collected, results were tabulated and averaged to determine the overall percentages of the fractions separated from the waste streams. The field data sheets from the Study are included in Appendix D. Tabulated results are included in Appendix A. Results are summarized as follows for the combustible and non-combustible waste fraction groupings in Table 1:

Table 1: Weight Fractions of each Fraction Grouping Present in MSW

Total Combustibles		
Item	Lbs	wt%
Paper	2,149.1	18.30%
Cardboard	1,248.2	10.63%
Plastic	2,932.5	24.96%
Organics	2,552.9	21.73%
Electronics	141.0	1.20%
Total	9,023.7	76.82%

Total Non-Combustibles		
Item	Lbs	wt%
Various	2,723.3	23.18%
Total	11,747.0	100.00%

Results for each of the individual fractions are presented below in Table 2:

Table 2: Weight Fractions of Each Individual Fraction Present in MSW

Fraction	Sample	Top Fines	Bottom Fines	Non-separables	Total (Lbs)	Wt%
Paper – Newsprint	347.0				347.0	3.0%
Paper – Other	1,556.0	210.7	35.4	0.0	1,802.1	15.3%
Cardboard – Corrugated	604.0				604.0	5.1%
Cardboard – Other	542.0	99.4	2.8	0.0	644.2	5.5%
Plastic – HDPE	515.0				515.0	4.4%
Plastic – PET	495.0				495.0	4.2%
Plastic – PVC	21.0				21.0	0.2%
Plastic – Other	1,604.0	261.4	36.2	0.0	1,901.5	16.2%
Organic Material – Yard Waste	106.0				106.0	0.9%
Organic Material – Other	1,783.0	294.2	369.7	0.0	2,446.9	20.8%
Electronics / Small Appliances	141.0				141.0	1.2%
Ferrous Metals	68.0	0.0	0.0	0.0	68.0	0.6%
Non-Ferrous Metals – Aluminum Cans	347.0				347.0	3.0%
Non-Ferrous Metals – Other	69.0	0.0	0.0	0.0	69.0	0.6%
Glass	354.0	30.9	5.5	0.0	390.4	3.3%
Inorganic Material	1,661.0	129.5	8.4	0.0	1,798.9	15.3%
Solid Wastes Containing Mercury	10.0	0.0	0.0	0.0	10.0	0.1%
Household Hazardous Waste	40.0				40.0	0.3%
Total	10,263.0	1,026.0	458.0	0.0	11,747.0	100.0%

Samples were submitted to MVTL Laboratories for analysis to determine proximate analysis, heating value, and ultimate analysis of the combustible fractions. MVTL homogenized and split samples pursuant to the Solid Waste Composition Study procedures. Four individual samples were analyzed. Analytical results are included in Appendix B.

A Summary of the proximate analysis, ultimate analysis, and heating value analytical results are presented below in Tables 3, 4, and 5, respectively. Calculations are included in Appendix C.

Table 3: Proximate Analysis (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	27.05%	26.87%	27.00%	27.08%	27.00%
Ash	wt%	4.59%	4.76%	4.90%	4.99%	4.81%
Volatile Matter	wt%	58.96%	58.80%	59.11%	57.75%	58.66%
Total Sulfur	wt%	0.06%	0.06%	0.05%	0.07%	0.06%
Fixed Carbon (By Difference)	wt%	9.34%	9.51%	8.94%	10.91%	9.48%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Table 4: Ultimate Analysis (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	27.05%	26.87%	27.00%	27.08%	27.00%
Ash	wt%	4.59%	4.76%	4.90%	4.99%	4.81%
Carbon	wt%	35.67%	35.71%	35.69%	36.48%	35.89%
Hydrogen	wt%	8.08%	7.91%	7.88%	7.89%	7.94%
Nitrogen	wt%	0.50%	0.53%	0.55%	0.48%	0.52%
Total Sulfur	wt%	0.06%	0.06%	0.05%	0.07%	0.06%
Chlorine	wt%	0.58%	0.77%	0.91%	0.72%	0.75%
Oxygen (By Difference)	wt%	50.52%	50.26%	50.02%	49.37%	50.04%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Table 5: Heating Value (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Heating Value	Btu/lb.	6,442	6,451	6,417	6,491	6,450

The above results were numerically adjusted to take into account the non-combustible fraction of waste to represent the proximate analysis, ultimate analysis, and heating value of MSW as incinerated. These results are presented below in Tables 6, 7, and 8, respectively:

Table 6: Proximate Analysis (As Incinerated)

Analyte	Result as Incinerated
Total Moisture	20.74%
Ash	3.69%
Volatile Matter	45.06%
Total Sulfur	0.05%
Fixed Carbon (By Difference)	7.28%
Non-Combustibles	23.18%
Total	100.00%

Table 7: Ultimate Analysis (As Incinerated)

Analyte	Result as Incinerated
Total Moisture	20.74%
Ash	2.70%
Carbon	20.12%
Hydrogen	4.45%
Nitrogen	0.29%
Total Sulfur	0.03%
Chlorine	0.42%
Oxygen (By Difference)	28.06%
Non-Combustibles	23.18%
Total	100.00%

Table 8: Heating Value (As Incinerated)

Analyte	Units	
Heating Value	Btu/lb.	4,955

If you have any questions or comments regarding this report, or if you require any additional information, please feel free to contact us at (612) 285-9865.

Sincerely,
SWDI



David W. Estensen
Compliance & Regulatory Affairs Manager

cc: Anne Jackson
Kathy Holland-Hanson

Appendix A

Field Data Sheet Numerical Analysis

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample Fraction		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Lbs	194.0	316.0	211.0	208.0	252.0	221.0	227.0	144.0	155.0	228.0	220.0	271.0	280.0	159.0	312.0	272.0	261.0	252.0	232.0	181.0
Paper – Newsprint	Lbs	4.0	2.0		4.0	30.0	10.0	4.0	9.0	5.0	2.0	9.0	6.0	11.0	6.0	16.0	13.0	29.0		20.0	6.0
Paper – Other	Lbs	33.0	22.0	35.0	33.0	34.0	58.0	38.0	17.0	12.0	35.0	41.0	66.0	68.0	18.0	48.0	54.0	56.0	52.0	53.0	32.0
Cardboard – Corrugated	Lbs	3.0		18.0	7.0		13.0	5.0	10.0	6.0	10.0	13.0	15.0	4.0	6.0	14.0	10.0	24.0	25.0	6.0	9.0
Cardboard – Other	Lbs	3.0	8.0	7.0	16.0	14.0	14.0	11.0	13.0	4.0	22.0	11.0	16.0	16.0	14.0	20.0	16.0	21.0	27.0	26.0	6.0
Plastic – HDPE	Lbs	17.0	11.0	3.0	5.0	19.0	21.0	9.0	3.0	12.0	16.0	9.0	20.0	9.0	12.0	16.0	12.0	7.0	18.0	5.0	9.0
Plastic – PET	Lbs	4.0	1.0	10.0	4.0	15.0	8.0	14.0	9.0	5.0	11.0	12.0	10.0	7.0	8.0	16.0	12.0	6.0	7.0	11.0	21.0
Plastic – PVC	Lbs													1.0		8.0	4.0	3.0			
Plastic – Other	Lbs	33.0	42.0	20.0	24.0	32.0	28.0	40.0	19.0	14.0	27.0	32.0	31.0	53.0	29.0	45.0	51.0	22.0	62.0	32.0	18.0
Organic Material – Yard Waste	Lbs				27.0	3.0	3.0	16.0	3.0				7.0	1.0			1.0				1.0
Organic Material – Other	Lbs	48.0	2.0	79.0	6.0	20.0	9.0	18.0	15.0		41.0	15.0	24.0	35.0	7.0	29.0	45.0	8.0	28.0	40.0	36.0
Electronics / Small Appliances	Lbs					2.0							6.0		35.0	5.0	4.0		3.0		
Ferrous Metals	Lbs										4.0	1.0	2.0	6.0	1.0	18.0	4.0	1.0			3.0
Non-Ferrous Metals – Aluminum Cans	Lbs	7.0	8.0	15.0	5.0	10.0	10.0	19.0	12.0	5.0	9.0	12.0	4.0	16.0	8.0	9.0	9.0	11.0	6.0	9.0	20.0
Non-Ferrous Metals – Other	Lbs					6.0	1.0	4.0	4.0							6.0	2.0	13.0	9.0		
Glass	Lbs	26.0	1.0	19.0	3.0	12.0	6.0	10.0	12.0		25.0	6.0	13.0	11.0	6.0	6.0	9.0	2.0		30.0	2.0
Inorganic Material	Lbs	16.0	219.0	5.0	74.0	55.0	40.0	39.0	18.0	92.0	23.0	59.0	51.0	42.0	8.0	46.0	26.0	58.0	15.0		18.0
Solid Wastes Containing Mercury	Lbs															8.0					
Household Hazardous Waste	Lbs										3.0				1.0	2.0					

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Top Fines (#)	Lbs	21.0	15.0	15.0	18.0	20.0	19.0	65.0	17.0	20.0	16.0	44.0	23.0	24.0	8.0	18.0	48.0	19.0	17.0	45.0	27.0
Paper	Lbs	1.1	3.0	1.5	1.8	5.0	5.7	13.0	1.7	4.0	3.2	11.0	5.8	7.2	2.0	3.6	12.0	6.7	5.1	15.8	6.8
Cardboard	Lbs	1.1	0.0	0.8	0.9	1.0	1.9	3.3	1.7	2.0	2.4	2.2	3.5	2.4	0.8	1.8	7.2	3.8	4.3	6.8	2.7
Plastic	Lbs	1.1	2.3	3.0	1.8	6.0	3.8	16.3	1.7	4.0	4.0	8.8	5.8	7.2	2.8	4.5	14.4	3.8	6.0	13.5	8.1
Organic Material	Lbs	16.8	3.8	9.0	9.0	3.0	1.9	16.3	8.5	0.0	3.2	11.0	3.5	4.8	1.6	3.6	9.6	1.9	1.7	9.0	6.8
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	0.0	0.0	0.9	1.0	1.0	3.3	0.0	0.0	1.6	2.2	1.2	1.2	0.4	0.9	2.4	1.0	0.0	0.0	1.4
Inorganic Material	Lbs	1.1	6.0	0.8	3.6	4.0	4.8	13.0	3.4	10.0	1.6	8.8	3.5	1.2	0.4	3.6	2.4	1.9	0.0	0.0	1.4
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%	5%	20%	10%	10%	25%	30%	20%	10%	20%	20%	25%	25%	30%	25%	20%	25%	35%	30%	35%	25%
Cardboard	%	5%		5%	5%	5%	10%	5%	10%	10%	15%	5%	15%	10%	10%	15%	20%	25%	15%	10%	
Plastic	%	5%	15%	20%	10%	30%	20%	25%	10%	20%	25%	20%	25%	30%	35%	25%	30%	20%	35%	30%	30%
Organic Material	%	80%	25%	60%	50%	15%	10%	25%	50%		20%	25%	15%	20%	20%	20%	10%	10%	20%	25%	
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%				5%	5%	5%	5%			10%	5%	5%	5%	5%	5%	5%	5%		5%	
Inorganic Material	%	5%	40%	5%	20%	20%	25%	20%	20%	50%	10%	20%	15%	5%	5%	20%	5%	10%			5%
Solid Wastes Containing Mercury	%																				
Total	%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Bottom Fines (#)	Lbs	5.0	1.0	10.0	3.0	6.0	16.0	17.0	6.0	1.0	12.0	14.0	14.0	10.0	8.0	19.0	37.0	24.0	15.0	3.0	9.0
Paper	Lbs	0.3	0.3	2.0	0.3	0.6	0.8	0.9	0.6	0.5	0.6	1.4	0.7	0.5	0.8	1.0	1.9	2.4	4.5	0.3	0.9
Cardboard	Lbs	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic	Lbs	0.3	0.3	2.0	0.3	0.6	0.8	0.9	0.6	0.5	0.6	1.4	0.7	0.5	0.8	1.0	1.9	2.4	4.5	0.3	0.9
Organic Material	Lbs	4.5	0.5	5.0	2.4	4.5	13.6	15.3	4.8	0.0	10.2	11.2	11.2	9.0	6.3	15.2	33.3	19.2	3.8	2.4	7.2
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	0.0	0.5	0.0	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.0
Inorganic Material	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0	0.7	0.0	0.0	1.0	0.0	0.0	2.3	0.0	0.5
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%	5%	25%	20%	10%	10%	5%	5%	10%	45%	5%	10%	5%	5%	10%	5%	5%	10%	30%	10%	10%
Cardboard	%			5%						5%											
Plastic	%	5%	25%	20%	10%	10%	5%	5%	10%	45%	5%	10%	5%	5%	10%	5%	5%	10%	30%	10%	5%
Organic Material	%	90%	50%	50%	80%	75%	85%	90%	80%		85%	80%	80%	90%	79%	80%	90%	80%	25%	80%	80%
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%			5%		5%	5%						5%		1%	5%					
Inorganic Material	%									5%	5%		5%			5%			15%		5%
Solid Wastes Containing Mercury	%																				
Total	%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Non-separable #1 (#)	Lbs																				
Paper	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cardboard	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Organic Material	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganic Material	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%																				
Cardboard	%																				
Plastic	%																				
Organic Material	%																				
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%																				
Inorganic Material	%																				
Solid Wastes Containing Mercury	%																				
Total	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Fraction	Lbs	320.0	301.0	129.0	243.0	267.0	283.0	459.0	259.0	230.0	297.0	238.0	212.0	325.0	210.0	665.0	188.0	240.0	246.0	305.0	250.0
Paper – Newsprint	Lbs	19.0	3.0	2.0	5.0	4.0	21.0		10.0	6.0		3.0	2.0	8.0	2.0		32.0	6.0	15.0	16.0	7.0
Paper – Other	Lbs	50.0	45.0	18.0	39.0	49.0	19.0	17.0	32.0	37.0	56.0	51.0	25.0	45.0	35.0	8.0	38.0	29.0	54.0	75.0	29.0
Cardboard – Corrugated	Lbs	20.0	18.0	37.0	9.0	3.0	24.0	28.0	18.0	4.0	7.0	5.0	18.0	27.0	13.0	72.0	6.0	16.0	30.0	44.0	7.0
Cardboard – Other	Lbs	18.0	22.0	6.0	11.0	11.0	9.0	10.0	18.0	23.0	21.0	5.0	14.0	16.0	11.0	9.0	2.0	21.0	8.0	9.0	13.0
Plastic – HDPE	Lbs	21.0	15.0	3.0	17.0	15.0	5.0	29.0	12.0	11.0	11.0	8.0	14.0	10.0	25.0	10.0	5.0	14.0	14.0	9.0	34.0
Plastic – PET	Lbs	18.0	14.0	18.0	11.0	13.0	42.0	39.0	8.0	11.0	16.0	10.0	16.0	5.0	19.0	4.0	15.0	12.0	14.0	10.0	9.0
Plastic – PVC	Lbs								1.0				1.0			1.0			2.0		
Plastic – Other	Lbs	67.0	42.0	12.0	52.0	51.0	45.0	106.0	39.0	34.0	51.0	39.0	14.0	83.0	15.0	117.0	63.0	47.0	25.0	29.0	19.0
Organic Material – Yard Waste	Lbs							14.0				9.0		1.0						1.0	4.0
Organic Material – Other	Lbs	51.0	30.0	2.0	47.0	56.0	9.0	201.0	93.0	47.0	31.0	38.0	22.0	64.0	42.0	404.0	14.0	40.0	6.0	29.0	52.0
Electronics / Small Appliances	Lbs	6.0	12.0						10.0	2.0		12.0	28.0					9.0	2.0	5.0	
Ferrous Metals	Lbs				2.0			7.0			1.0		3.0	10.0		5.0					
Non-Ferrous Metals – Aluminum Cans	Lbs	6.0	12.0	8.0	5.0	11.0	10.0	3.0	13.0	6.0	8.0	5.0	11.0	7.0	6.0	2.0	2.0	7.0	8.0	9.0	4.0
Non-Ferrous Metals – Other	Lbs	1.0	12.0		1.0	3.0	1.0				1.0							2.0	2.0	1.0	
Glass	Lbs		10.0	2.0	2.0	10.0	22.0		5.0	9.0	33.0	6.0	16.0	4.0	5.0				4.0	27.0	
Inorganic Material	Lbs	42.0	52.0	21.0	37.0	41.0	75.0	5.0		40.0	61.0	42.0	28.0	41.0	37.0	18.0	11.0	37.0	61.0	36.0	72.0
Solid Wastes Containing Mercury	Lbs													2.0							
Household Hazardous Waste	Lbs	1.0	14.0		5.0		1.0					5.0		2.0					1.0	5.0	

Sample		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Top Fines (#)	Lbs	51.0	40.0	7.0	43.0	34.0	24.0	43.0	17.0	31.0	23.0	51.0	15.0	14.0	14.0	57.0	23.0	23.0	8.0	3.0	6.0
Paper	Lbs	12.8	10.0	1.8	8.6	6.8	3.6	2.2	3.4	6.2	4.6	10.2	3.0	2.8	2.1	2.9	6.9	3.5	2.0	0.9	0.9
Cardboard	Lbs	7.7	6.0	1.4	4.3	1.7	2.4	2.2	1.7	3.1	2.3	2.6	1.5	1.4	1.4	5.7	1.2	1.2	0.8	0.5	0.3
Plastic	Lbs	15.3	12.0	1.8	12.9	10.2	8.4	15.1	4.3	7.8	5.8	10.2	3.8	4.2	4.2	11.4	6.9	4.6	2.0	0.6	1.5
Organic Material	Lbs	10.2	6.0	0.0	15.1	8.5	6.0	21.5	6.8	9.3	5.8	15.3	4.5	4.2	4.2	34.2	6.9	8.1	0.8	0.6	1.5
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	2.0	0.4	0.0	1.7	1.2	0.0	0.9	1.6	1.2	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0
Inorganic Material	Lbs	5.1	4.0	1.8	2.2	5.1	2.4	2.2	0.0	3.1	3.5	10.2	1.5	1.4	2.1	2.9	1.2	5.8	2.0	0.3	1.8
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%	25%	25%	25%	20%	20%	15%	5%	20%	20%	20%	20%	20%	20%	15%	5%	30%	15%	25%	30%	15%
Cardboard	%	15%	15%	20%	10%	5%	10%	5%	10%	10%	10%	5%	10%	10%	10%	10%	5%	5%	10%	15%	5%
Plastic	%	30%	30%	25%	30%	30%	35%	35%	25%	25%	25%	20%	25%	30%	30%	20%	30%	20%	25%	20%	25%
Organic Material	%	20%	15%		35%	25%	25%	50%	40%	30%	25%	30%	30%	30%	30%	60%	30%	35%	10%	20%	25%
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%		5%	5%		5%	5%		5%	5%	5%	5%	5%						5%	5%	
Inorganic Material	%	10%	10%	25%	5%	15%	10%	5%		10%	15%	20%	10%	10%	15%	5%	5%	25%	25%	10%	30%
Solid Wastes Containing Mercury	%																				
Total	%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Bottom Fines (#)	Lbs	6.0	19.0	6.0	28.0	20.0	19.0	14.0	7.0	5.0	6.0	18.0	6.0	9.0	2.0	12.0	8.0	11.0	19.0	5.0	8.0
Paper	Lbs	0.6	1.9	1.2	1.4	2.0	1.9	0.7	0.3	0.3	0.3	0.9	0.3	0.5	0.1	0.0	0.0	0.6	1.0	0.3	0.4
Cardboard	Lbs	0.0	0.0	0.0	0.0	0.4	1.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4
Plastic	Lbs	0.6	1.9	1.2	1.4	2.0	1.9	0.7	0.4	0.3	0.3	0.7	0.2	0.5	0.1	0.6	0.8	0.6	1.0	0.3	0.4
Organic Material	Lbs	4.8	15.2	2.4	25.2	14.0	12.4	12.6	6.3	4.0	5.4	16.2	5.4	8.1	1.8	11.4	7.2	9.9	17.1	4.0	6.8
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	0.0	0.0	0.0	0.6	1.0	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Inorganic Material	Lbs	0.0	0.0	1.2	0.0	1.0	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%	10%	10%	20%	5%	10%	10%	5%	4%	5%	5%	5%	5%	5%	5%			5%	5%	5%	5%
Cardboard	%					2%	5%			4%			1%							5%	5%
Plastic	%	10%	10%	20%	5%	10%	10%	5%	5%	5%	5%	4%	3%	5%	5%	5%	10%	5%	5%	5%	5%
Organic Material	%	80%	80%	40%	90%	70%	65%	90%	90%	80%	90%	90%	90%	90%	90%	95%	90%	90%	90%	80%	85%
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%					3%	5%		1%	1%		1%	1%							5%	
Inorganic Material	%			20%		5%	5%			5%											
Solid Wastes Containing Mercury	%																				
Total	%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Sample		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Non-separable #1 (#)	Lbs																				
Paper	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cardboard	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Organic Material	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Metals	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganic Material	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solid Wastes Containing Mercury	Lbs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper	%																				
Cardboard	%																				
Plastic	%																				
Organic Material	%																				
Ferrous Metals	%																				
Non-Ferrous Metals	%																				
Glass	%																				
Inorganic Material	%																				
Solid Wastes Containing Mercury	%																				
Total	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample		Item Subtotal	Wt % of Total				
Fraction	Lbs					Wt % Primary Fraction	
Paper – Newsprint	Lbs	347.0	3.0%	Combustibles	Paper	1903.0	18.2%
Paper – Other	Lbs	1556.0	13.2%				81.8% 100%
Cardboard – Corrugated	Lbs	604.0	5.1%		Cardboard	1146.0	52.7%
Cardboard – Other	Lbs	542.0	4.6%				47.3% 100%
Plastic – HDPE	Lbs	515.0	4.4%				19.5%
Plastic – PET	Lbs	495.0	4.2%				18.8%
Plastic – PVC	Lbs	21.0	0.2%				0.8%
Plastic – Other	Lbs	1604.0	13.7%		Plastic	2635.0	60.9% 100%
Organic Material – Yard Waste	Lbs	106.0	0.9%				5.6%
Organic Material – Other	Lbs	1783.0	15.2%		Organics	1889.0	94.4% 100%
Electronics / Small Appliances	Lbs	141.0	1.2%	Non-Combustibles	Electronics	141.0	100.0% 100%
Ferrous Metals	Lbs	68.0	0.6%				
Non-Ferrous Metals – Aluminum Cans	Lbs	347.0	3.0%				
Non-Ferrous Metals – Other	Lbs	69.0	0.6%				
Glass	Lbs	354.0	3.0%				
Inorganic Material	Lbs	1661.0	14.1%				
Solid Wastes Containing Mercury	Lbs	10.0	0.1%				
Household Hazardous Waste	Lbs	40.0	0.3%		Various	2549.0	
			0.0%				

Sample		Item Subtotal	Wt % of Total				
Top Fines (#)	Lbs	1026.0	8.7%				
Paper	Lbs	210.7	1.8%	Combustibles	Paper	210.7	
Cardboard	Lbs	99.4	0.8%		Cardboard	99.4	
Plastic	Lbs	261.4	2.2%		Plastic	261.4	
Organic Material	Lbs	294.2	2.5%		Organics	294.2	
Ferrous Metals	Lbs	0.0	0.0%				
Non-Ferrous Metals	Lbs	0.0	0.0%				
Glass	Lbs	30.9	0.3%				
Inorganic Material	Lbs	129.5	1.1%				
Solid Wastes Containing Mercury	Lbs	0.0	0.0%		Various	160.4	
Paper	%			Non-Combustibles			
Cardboard	%						
Plastic	%						
Organic Material	%						
Ferrous Metals	%						
Non-Ferrous Metals	%						
Glass	%						
Inorganic Material	%						
Solid Wastes Containing Mercury	%						
Total	%						

Fraction	Samples	Top Fines	Bottom Fines	Non-separables	Total	Wt% Total
Paper – Newsprint	347.0				347.0	3.0%
Paper – Other	1556.0	210.7	35.4	0.0	1802.1	15.3%
Cardboard – Corrugated	604.0				604.0	5.1%
Cardboard – Other	542.0	99.4	2.8	0.0	644.2	5.5%
Plastic – HDPE	515.0				515.0	4.4%
Plastic – PET	495.0				495.0	4.2%
Plastic – PVC	21.0				21.0	0.2%
Plastic – Other	1604.0	261.4	36.2	0.0	1901.5	16.2%
Organic Material – Yard Waste	106.0				106.0	0.9%
Organic Material – Other	1783.0	294.2	369.7	0.0	2446.9	20.8%
Electronics / Small Appliances	141.0				141.0	1.2%
Ferrous Metals	68.0	0.0	0.0	0.0	68.0	0.6%
Non-Ferrous Metals – Aluminum Cans	347.0				347.0	3.0%
Non-Ferrous Metals – Other	69.0	0.0	0.0	0.0	69.0	0.6%
Glass	354.0	30.9	5.5	0.0	390.4	3.3%
Inorganic Material	1661.0	129.5	8.4	0.0	1798.9	15.3%
Solid Wastes Containing Mercury	10.0	0.0	0.0	0.0	10.0	0.1%
Household Hazardous Waste	40.0				40.0	0.3%
Total	10263.0	1026.0	458.0	0.0	11747.0	100.0%

Total Combustibles		Wt % Total	Wt % Combustibles
Item	Lbs		
Paper	2149.1	18.30%	23.82%
Cardboard	1248.2	10.63%	13.83%
Plastic	2932.5	24.96%	32.50%
Organic Material	2552.9	21.73%	28.29%
Electronics	141.0	1.20%	1.56%
Total	9023.7	76.82%	100.00%

Total Non-Combustibles		Wt %
Various	2723.3	23.18%
		100.00%

Red Wing Solid Waste Boiler Facility
2009 Solid Waste Composition Study Field Sheet Data Analysis

Sample		Item Subtotal	Wt % of Total			
Bottom Fines (#)	Lbs	458.0	3.9%			
Paper	Lbs	35.4	0.3%	Combustibles	Paper	35.4
Cardboard	Lbs	2.8	0.0%		Cardboard	2.8
Plastic	Lbs	36.2	0.3%		Plastic	36.2
Organic Material	Lbs	369.7	3.1%		Organics	369.7
Ferrous Metals	Lbs	0.0	0.0%	Non-Combustibles		
Non-Ferrous Metals	Lbs	0.0	0.0%			
Glass	Lbs	5.5	0.0%			
Inorganic Material	Lbs	8.4	0.1%			
Solid Wastes Containing Mercury	Lbs	0.0	0.0%		Various	13.9
Paper	%					
Cardboard	%					
Plastic	%					
Organic Material	%					
Ferrous Metals	%					
Non-Ferrous Metals	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%					

Sample		Item Subtotal	Wt % of Total			
Non-separable #1 (#)	Lbs	0.0	0.0%			
Paper	Lbs	0.0	0.0%	Combustibles	Paper	0.0
Cardboard	Lbs	0.0	0.0%		Cardboard	0.0
Plastic	Lbs	0.0	0.0%		Plastic	0.0
Organic Material	Lbs	0.0	0.0%		Organics	0.0
Ferrous Metals	Lbs	0.0	0.0%	Non-Combustibles		
Non-Ferrous Metals	Lbs	0.0	0.0%			
Glass	Lbs	0.0	0.0%			
Inorganic Material	Lbs	0.0	0.0%			
Solid Wastes Containing Mercury	Lbs	0.0	0.0%		Various	0.0
Paper	%					
Cardboard	%					
Plastic	%					
Organic Material	%					
Ferrous Metals	%					
Non-Ferrous Metals	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%					

11747.0

100.0%

Total Lbs.

11747.0

Appendix B

MVTL Analytical Results

MVTL**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724

51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

**MEMBER
ACIL**

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

Sample Number: 09-M1987

Report Date: 7/31/09

Jeff Huppert
Red Wing Solid Waste Boiler
1873 Bench Street
Red Wing MN 55066

Work Order #: 81-891
P.O. #: J. Huppert
Date Collected: 7/20/09 9:00

Date Received: 7/23/09

Sample Description: Composite #1
Sample Site: Solid Waste

* PROXIMATE *					* ULTIMATE *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	AS RECEIVED		DRY BASIS	
Total Moisture	27.05	wt. %			Total Moisture	27.05	wt. %		
Ash	4.59	wt. %	6.29	wt. %	Ash	4.59	wt. %	6.29	wt. %
Volatile Matter	58.96	wt. %	80.82	wt. %	Carbon	35.67	wt. %	48.90	wt. %
Fixed Carbon	9.40	wt. %	12.89	wt. %	Hydrogen	8.08	wt. %	6.93	wt. %
BTU/lb	6442	BTU/lb	8831	BTU/lb	Nitrogen	0.50	wt. %	0.69	wt. %
Total Sulfur	0.06	wt. %	0.08	wt. %	Total Sulfur	0.06	wt. %	0.08	wt. %
					Oxygen by Difference	51.10	wt. %	37.12	wt. %
					Chlorine	5830	ug/g	7990	ug/g
* SULFUR FORMS *					* ASH FUSION *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	REDUCING		OXIDIZING	
Total Sulfur	0.06	wt. %	0.08	wt. %					
* MINERAL ANALYSIS OF ASH *					* MISCELLANEOUS *				
ANALYTE	DRY BASIS				ANALYTE	AS RECEIVED		DRY BASIS	

Comment: Each of the solid waste fractions was combined based on the weight % present in the combustible waste stream provided by SWDI. The combine homogenized waste was riffled into four separate samples for analysis. All metal was removed from the electronics fraction and was not included in the analysis.

Approved by: Stacy Zander

MVTL**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724

51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

**MEMBER
ACIL**

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

Sample Number: 09-M1988

Report Date: 7/31/09

Jeff Huppert
Red Wing Solid Waste Boiler
1873 Bench Street
Red Wing MN 55066

Work Order #: 81-891
P.O. #: J. Huppert
Date Collected: 7/20/09 9:00

Date Received: 7/23/09

Sample Description: Composite #2

Sample Site: Solid Waste

* PROXIMATE *					* ULTIMATE *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	AS RECEIVED		DRY BASIS	
Total Moisture	26.87	wt. %			Total Moisture	26.87	wt. %		
Ash	4.76	wt. %	6.51	wt. %	Ash	4.76	wt. %	6.51	wt. %
Volatile Matter	58.80	wt. %	80.40	wt. %	Carbon	35.71	wt. %	48.83	wt. %
Fixed Carbon	9.57	wt. %	13.09	wt. %	Hydrogen	7.91	wt. %	6.70	wt. %
BTU/lb	6451	BTU/lb	8822	BTU/lb	Nitrogen	0.53	wt. %	0.72	wt. %
Total Sulfur	0.06	wt. %	0.08	wt. %	Total Sulfur	0.06	wt. %	0.08	wt. %
					Oxygen by Difference	51.03	wt. %	37.15	wt. %
					Chlorine	7720	ug/g	10600	ug/g
* SULFUR FORMS *					* ASH FUSION *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	REDUCING		OXIDIZING	
Total Sulfur	0.06	wt. %	0.08	wt. %					
* MINERAL ANALYSIS OF ASH *					* MISCELLANEOUS *				
ANALYTE	DRY BASIS				ANALYTE	AS RECEIVED		DRY BASIS	

Comment: Each of the solid waste fractions was combined based on the weight % present in the combustible waste stream provided by SWDI. The combine homogenized waste was riffled into four separate samples for analysis. All metal was removed from the electronics fraction and was not included in the analysis.

Approved by: Stacy Zander

MVTL**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724

51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

**MEMBER
ACIL**

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

Sample Number: 09-M1989

Report Date: 7/31/09

Jeff Huppert
Red Wing Solid Waste Boiler
1873 Bench Street
Red Wing MN 55066

Work Order #: 81-891
P.O. #: J. Huppert
Date Collected: 7/20/09 9:00

Date Received: 7/23/09

Sample Description: Composite #3

Sample Site: Solid Waste

* PROXIMATE *				
ANALYTE	AS RECEIVED		DRY BASIS	
Total Moisture	27.00	wt. %		
Ash	4.90	wt. %	6.71	wt. %
Volatile Matter	59.11	wt. %	80.97	wt. %
Fixed Carbon	8.99	wt. %	12.31	wt. %
BTU/lb	6417	BTU/lb	8790	BTU/lb
Total Sulfur	0.05	wt. %	0.07	wt. %

* SULFUR FORMS *				
ANALYTE	AS RECEIVED		DRY BASIS	
Total Sulfur	0.05	wt. %	0.07	wt. %

* MINERAL ANALYSIS OF ASH *				
ANALYTE	DRY BASIS			

* ULTIMATE *				
ANALYTE	AS RECEIVED		DRY BASIS	
Total Moisture	27.00	wt. %		
Ash	4.90	wt. %	6.71	wt. %
Carbon	35.69	wt. %	48.89	wt. %
Hydrogen	7.88	wt. %	6.66	wt. %
Nitrogen	0.55	wt. %	0.75	wt. %
Total Sulfur	0.05	wt. %	0.07	wt. %
Oxygen by Difference	50.93	wt. %	36.92	wt. %
Chlorine	9100	ug/g	12500	ug/g

* ASH FUSION *		
ANALYTE	REDUCING	OXIDIZING

* MISCELLANEOUS *		
ANALYTE	AS RECEIVED	DRY BASIS

Comment: Each of the solid waste fractions was combined based on the weight % present in the combustible waste stream provided by SWDI. The combine homogenized waste was riffled into four separate samples for analysis. All metal was removed from the electronics fraction and was not included in the analysis.

Approved by: Stacy Zander

MVTL**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724

51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

**MEMBER
ACIL**

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

Sample Number: 09-M1990

Report Date: 7/31/09

Jeff Huppert
Red Wing Solid Waste Boiler
1873 Bench Street
Red Wing MN 55066

Work Order #: 81-891
P.O. #: J. Huppert
Date Collected: 7/20/09 9:00

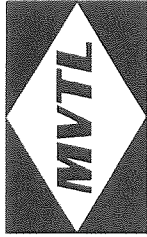
Date Received: 7/23/09

Sample Description: Composite #4
Sample Site: Solid Waste

* PROXIMATE *					* ULTIMATE *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	AS RECEIVED		DRY BASIS	
Total Moisture	27.08	wt. %			Total Moisture	27.08	wt. %		
Ash	4.99	wt. %	6.84	wt. %	Ash	4.99	wt. %	6.84	wt. %
Volatile Matter	57.75	wt. %	79.20	wt. %	Carbon	36.48	wt. %	50.03	wt. %
Fixed Carbon	10.17	wt. %	13.95	wt. %	Hydrogen	7.89	wt. %	6.67	wt. %
BTU/lb	6491	BTU/lb	8901	BTU/lb	Nitrogen	0.48	wt. %	0.66	wt. %
Total Sulfur	0.07	wt. %	0.10	wt. %	Total Sulfur	0.07	wt. %	0.10	wt. %
					Oxygen by Difference	50.09	wt. %	35.71	wt. %
					Chlorine	7240	ug/g	9930	ug/g
* SULFUR FORMS *					* ASH FUSION *				
ANALYTE	AS RECEIVED		DRY BASIS		ANALYTE	REDUCING		OXIDIZING	
Total Sulfur	0.07	wt. %	0.10	wt. %					
* MINERAL ANALYSIS OF ASH *					* MISCELLANEOUS *				
ANALYTE	DRY BASIS				ANALYTE	AS RECEIVED		DRY BASIS	

Comment: Each of the solid waste fractions was combined based on the weight % present in the combustible waste stream provided by SWDI. The combine homogenized waste was riffled into four separate samples for analysis. All metal was removed from the electronics fraction and was not included in the analysis.

Approved by: Stacy Zander



LABORATORIES, Inc.

1411 South 12th Street
Bismarck, ND 58502

Phone: (701) 258-9720 Fax: (701) 258-9724
Toll Free: (800) 279-6885

Company Name and Address:

Red Wing Solid Waste Boiler Facility
1873 Bench Street
Red Wing, MN 55066

Billing Address (indicate if different from above):

Chain of Custody Record

Work Order # 81-891	
Account #:	18240
Phone #:	(651) 385-3658
Contact:	Jeff Huppert
Fax #:	For faxed report check box <input type="checkbox"/>
Name of Sampler:	E-mail: destensen@stericycle.com
Eric Anderson	For e-mail report check box <input type="checkbox"/>
Quote Number	Date Submitted: 7/20/2009
JD032409-01	
Project Name/Number:	Purchase Order #:
Solid Waste	

Sample Information					Bottle Type									Analysis			
Lab Number	Sample ID	Sample Type (Food, Soil, Water, Etc.)	Date Sampled	Time Sampled	VOC Vials	500 ml unpres.	1000 ml unpres.	500 ml HNO3	1000 ml HNO3	500 ml H2SO4	1000 ml H2SO4	Sterile plastic	Amber H2SO4	500 ml NaOH	Filtered? Y or N	Other:	Analysis Required
M1987	Paper	Solid Waste	7/20/2009	9:00 a.m.												X	Ultimate, Proximate, Chlorine
-1990	Cardboard	Solid Waste	7/20/2009	9:00 a.m.												X	Ultimate, Proximate, Chlorine
	Plastic	Solid Waste	7/20/2009	9:00 a.m.												X	Ultimate, Proximate, Chlorine
	Organic	Solid Waste	7/20/2009	9:00 a.m.												X	Ultimate, Proximate, Chlorine
	Electronic	Solid Waste	7/20/2009	9:00 a.m.												X	Ultimate, Proximate, Chlorine

Comments: Homogenize each sample separately, then form a composite sample based on ratios provided by RWSWBF. Analyze 4 subsamples.

Transferred by:	Date:	Time:	Sample Condition:	Received by:	Date:	Time:	Temp:
1. Jeff Huppert	7/21/09	12:30h	Good	Terrell Olson	23 July 2009	1000	
2.							

Appendix C

Proximate Analysis, Ultimate Analysis, and Heating Value Calculations

Red Wing Solid Waste Boiler Facility

2009 Solid Waste Composition Study Results

Total Combustibles

Item	Lbs	wt%
Paper	2149.1	18.30%
Cardboard	1248.2	10.63%
Plastic	2932.5	24.96%
Organics	2552.9	21.73%
Electronics	141.0	1.20%
Total	9023.7	76.82%

Total Non-Combustibles

Item	Lbs	wt%
Total	2723.3	23.18%

Total	11747.0	100.00%
--------------	----------------	----------------

Proximate Analysis (Combustible Fractions Only - As Received Basis)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	27.05%	26.87%	27.00%	27.08%	27.00%
Ash	wt%	4.59%	4.76%	4.90%	4.99%	4.81%
Volatile Matter	wt%	58.96%	58.80%	59.11%	57.75%	58.66%
Total Sulfur ¹	wt%	0.06%	0.06%	0.05%	0.07%	0.06%
Fixed Carbon (by difference) ²	wt%	9.34%	9.51%	8.94%	10.11%	9.48%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Heating Value	Btu/lb.	6442	6451	6417	6491	6450
----------------------	----------------	-------------	-------------	-------------	-------------	-------------

Proximate Analysis (Including Non-Combustibles)

Analyte	Result as Incinerated (Including Non-Combustibles)
Total Moisture	20.74%
Ash	3.69%
Volatile Matter	45.06%
Total Sulfur ¹	0.05%
Fixed Carbon (by difference)	7.28%
Non-Combustibles	23.18%
Total	100.00%

Heating Value	4955
----------------------	-------------

Ultimate Analysis (Combustible Fractions Only - As Received Basis)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	27.05%	26.87%	27.00%	27.08%	27.00%
Ash ³	wt%	4.59%	4.76%	4.90%	4.99%	4.81%
Carbon	wt%	35.67%	35.71%	35.69%	36.48%	35.89%
Hydrogen	wt%	8.08%	7.91%	7.88%	7.89%	7.94%
Nitrogen	wt%	0.50%	0.53%	0.55%	0.48%	0.52%
Total Sulfur	wt%	0.06%	0.06%	0.05%	0.07%	0.06%
Chlorine	wt%	0.58%	0.77%	0.91%	0.72%	0.75%
Oxygen (by difference) ⁴	wt%	50.52%	50.26%	50.02%	49.37%	50.04%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Ultimate Analysis (Including Non-Combustibles)

Analyte	Result as Incinerated (Including Non-Combustibles)
Total Moisture	20.74%
Ash ³	2.70%
Carbon	20.12%
Hydrogen	4.45%
Nitrogen	0.29%
Total Sulfur	0.03%
Chlorine	0.42%
Oxygen (by difference)	28.06%
Non-Combustibles	23.18%
Total	100.00%

¹ Total Sulfur has been included in Proximate Analysis

² Fixed Carbon (by difference) is slightly lower than reported in MVTL analytical due to inclusion of Total Sulfur

³ Ash has been included in Ultimate Analysis

⁴ Oxygen (by difference) is slightly lower than reported in MVTL analytical due to inclusion of Chlorine

Appendix D

Field Data Sheets

Load Information Form

GENERAL INFORMATION:		Sample #: <u>1</u>		Date: <u>7-13-07</u>	
		Time: <u>9:40</u>		Person Recording: <u>Eric Anderson</u>	
HAULER INFORMATION:		Company Name: <u>W/M</u>		Truck #: <u>411273</u>	
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>			
ORIGINATION OF TRUCK:		Service Area: <u>Treasure Island</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>62860</u>			
		Outgoing Truck Weight (#): <u>41960</u>			
		Weight of MSW (#): <u>20900</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		<u>24</u>	<u>28</u>	<u>4</u>	
2. Paper - Other		<u>24</u>	<u>57</u>	<u>33</u>	
3. Cardboard - Corrugated		<u>24</u>	<u>27</u>	<u>3</u>	
4. Cardboard - Other		<u>24</u>	<u>27</u>	<u>3</u>	
5. Plastic - HDPE		<u>24</u>	<u>41</u>	<u>17</u>	
6. Plastic - PET		<u>24</u>	<u>28</u>	<u>4</u>	
7. Plastic - PVC					
8. Plastic - Other		<u>24</u>	<u>57</u>	<u>33</u>	
9. Organic Material - Yard Waste					
10. Organic Material - Other		<u>24</u>	<u>72</u>	<u>48</u>	
11. Electronics / Small Appliances					
12. Ferrous Metals					
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>31</u>	<u>7</u>	
14. Non-Ferrous Metal - Other					
15. Glass		<u>24</u>	<u>49</u>	<u>25</u>	
16. Inorganic Material		<u>24</u>	<u>40</u>	<u>16</u>	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste					
Top Fines: <u>21 165</u>					
% Paper <u>5%</u>	% Cardboard <u>5%</u>	% Plastic <u>5%</u>	% Organic <u>80%</u>	% Ferrous	% Non-Ferr
				% Glass	% Inorganic <u>5%</u>
					% SWCM
Bottom Fines: <u>5 165</u>					
% Paper <u>5%</u>	% Cardboard	% Plastic <u>5%</u>	% Organic <u>90%</u>	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
					% SWCM
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
					% SWCM
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: <u>2</u>		Date: <u>7-13-07</u>				
		Time: <u>10:20</u>		Person Recording: <u>Eric Anderson</u>				
HAULER INFORMATION:		Company Name: <u>WM</u>		Truck #: <u>411273</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>RW Health Care</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>55860</u>						
		Outgoing Truck Weight (#): <u>41840</u>						
		Weight of MSW (#): <u>14020</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>26</u>	<u>2</u>				
2. Paper - Other		<u>24</u>	<u>46</u>	<u>22</u>				
3. Cardboard - Corrugated								
4. Cardboard - Other		<u>24</u>	<u>32</u>	<u>8</u>				
5. Plastic - HDPE		<u>24</u>	<u>35</u>	<u>11</u>				
6. Plastic - PET		<u>24</u>	<u>25</u>	<u>1</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>66</u>	<u>42</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>26</u>	<u>2</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>32</u>	<u>8</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>25</u>	<u>1</u>				
16. Inorganic Material		<u>24</u>	<u>243</u>	<u>219</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>15 lbs</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>20%</u>		<u>15%</u>	<u>25%</u>				<u>40%</u>	
Bottom Fines: <u>1 lb</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>		<u>25%</u>	<u>50%</u>					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 3		Date: 7-13-09				
		Time:		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: City of R.W Truck #: 531						
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Red Wing						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 40020						
		Outgoing Truck Weight (#): 25660						
		Weight of MSW (#): 14360						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint								
2. Paper - Other		24	59	35				
3. Cardboard - Corrugated		24	42	18				
4. Cardboard - Other		24	31	7				
5. Plastic - HDPE		24	27	3				
6. Plastic - PET		24	34	10				
7. Plastic - PVC								
8. Plastic - Other		24	44	20				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	103	79				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	39	15				
14. Non-Ferrous Metal - Other								
15. Glass		24	43	19				
16. Inorganic Material		24	29	5				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 15 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%	5%	20%	50%			5%		
Bottom Fines: 10 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	5%	20%	50%			5%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:			Sample #: 4		Date: 7-13-09			
			Time: 11:40		Person Recording: Eric Anderson			
HAULER INFORMATION:			Company Name: City of R.W. Truck #: 305					
TYPE OF LOAD:			Residential: <input checked="" type="checkbox"/>		Industrial: <input type="checkbox"/>		Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>	
ORIGINATION OF TRUCK:			Service Area: Lake City					
MSW LOAD WEIGHT:			Incoming Truck Weight (#): 51240					
			Outgoing Truck Weight (#): 34480					
			Weight of MSW (#): 16760					
WASTE COMP. INFORMATION:			TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)			
1. Paper - Newsprint			24	28	4			
2. Paper - Other			24	57	33			
3. Cardboard - Corrugated			24	31	7			
4. Cardboard - Other			24	48	16			
5. Plastic - HDPE			24	29	5			
6. Plastic - PET			24	28	4			
7. Plastic - PVC								
8. Plastic - Other			24	48	24			
9. Organic Material - Yard Waste			24	51	27			
10. Organic Material - Other			24	30	6			
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum			24	29	5			
14. Non-Ferrous Metal - Other								
15. Glass			24	27	3			
16. Inorganic Material			24	98	74			
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 18 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%	5%	10%	40%			5%	20%	
Bottom Fines: 3165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%		10%	80%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>5</u>		Date: <u>7-13-09</u>	
		Time: <u>12:15</u>		Person Recording: <u>Eric Anderson</u>	
HAULER INFORMATION:		Company Name: <u>Gibson</u>		Truck #: <u>61</u>	
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/>		Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>	
ORIGINATION OF TRUCK:		Service Area: <u>Waukegan</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>48460</u>			
		Outgoing Truck Weight (#): <u>33280</u>			
		Weight of MSW (#): <u>15360</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		<u>24</u>	<u>54</u>	<u>30</u>	
2. Paper - Other		<u>24</u>	<u>58</u>	<u>34</u>	
3. Cardboard - Corrugated					
4. Cardboard - Other		<u>24</u>	<u>38</u>	<u>14</u>	
5. Plastic - HDPE		<u>24</u>	<u>43</u>	<u>19</u>	
6. Plastic - PET		<u>24</u>	<u>39</u>	<u>15</u>	
7. Plastic - PVC					
8. Plastic - Other		<u>24</u>	<u>56</u>	<u>32</u>	
9. Organic Material - Yard Waste		<u>5</u>	<u>8</u>	<u>3</u>	
10. Organic Material - Other		<u>24</u>	<u>44</u>	<u>20</u>	
11. Electronics / Small Appliances		<u>5</u>	<u>7</u>	<u>2</u>	
12. Ferrous Metals					
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>34</u>	<u>10</u>	
14. Non-Ferrous Metal - Other		<u>5</u>	<u>11</u>	<u>6</u>	
15. Glass		<u>24</u>	<u>36</u>	<u>12</u>	
16. Inorganic Material		<u>24</u>	<u>79</u>	<u>55</u>	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste					
Top Fines: <u>20135</u>					
% Paper <u>25%</u>	% Cardboard <u>5%</u>	% Plastic <u>30%</u>	% Organic <u>15%</u>	% Ferrous	% Non-Ferr <u>5%</u>
				% Glass <u>20%</u>	% Inorganic <u>20%</u>
					% SWCM
Bottom Fines: <u>6165</u>					
% Paper <u>10%</u>	% Cardboard	% Plastic <u>10%</u>	% Organic <u>75%</u>	% Ferrous	% Non-Ferr <u>5%</u>
				% Glass <u>5%</u>	% Inorganic
					% SWCM
Non-Separable Item #1: <u>00000</u>					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
					% Glass
					% Inorganic
					% SWCM
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: 6		Date: 7-13-09				
		Time: 12:40		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: WM		Truck #: 102739				
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: P.I. Prairie Island						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 44540						
		Outgoing Truck Weight (#): 34700						
		Weight of MSW (#): 9840						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	34	10				
2. Paper - Other		24	82	58				
3. Cardboard - Corrugated		24	37	13				
4. Cardboard - Other		24	36	14				
5. Plastic - HDPE		24	45	21				
6. Plastic - PET		24	32	8				
7. Plastic - PVC								
8. Plastic - Other		24	52	28				
9. Organic Material - Yard Waste		5	8	3				
10. Organic Material - Other		24	33	9				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	34	10				
14. Non-Ferrous Metal - Other		5	6	1				
15. Glass		24	30	6				
16. Inorganic Material		24	64	40				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 19 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
30%	10%	20%	10%			5%	25%	
Bottom Fines: 16 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
3%		5%	85%			5%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>7</u>		Date: <u>7-13-09</u>	
		Time: <u>1:15</u>		Person Recording: <u>Eric Anderson</u>	
HAULER INFORMATION:		Company Name: <u>City of RW</u> Truck #: <u>550</u>			
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>			
ORIGINATION OF TRUCK:		Service Area: <u>Red Wing</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>33980</u>			
		Outgoing Truck Weight (#): <u>21500</u>			
		Weight of MSW (#): <u>12480</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		24	246	4	
2. Paper - Other		24	62	38	
3. Cardboard - Corrugated		24	29	5	
4. Cardboard - Other		24	35	11	
5. Plastic - HDPE		24	33	9	
6. Plastic - PET		24	38	14	
7. Plastic - PVC					
8. Plastic - Other		24	64	40	
9. Organic Material - Yard Waste		25	21	16	
10. Organic Material - Other		24	42	18	
11. Electronics / Small Appliances					
12. Ferrous Metals					
13. Non-Ferrous Metal - Aluminum		24	43	19	
14. Non-Ferrous Metal - Other		5	9	4	
15. Glass		24	34	10	
16. Inorganic Material		24	63	39	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste					
Top Fines: <u>65</u>					
% Paper <u>20%</u>	% Cardboard <u>5%</u>	% Plastic <u>25%</u>	% Organic <u>25%</u>	% Ferrous	% Non-Ferr
				% Glass <u>5%</u>	% Inorganic <u>20%</u>
Bottom Fines: <u>17</u>					
% Paper <u>5%</u>	% Cardboard	% Plastic <u>5%</u>	% Organic <u>90%</u>	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: 8		Date: 7-13-09				
		Time: 1130		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: Gibson		Truck #: Tony				
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Goodhue						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 45240						
		Outgoing Truck Weight (#): 31200						
		Weight of MSW (#): 14040						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	33	9				
2. Paper - Other		24	51	17				
3. Cardboard - Corrugated		24	34	10				
4. Cardboard - Other		24	37	13				
5. Plastic - HDPE		24	27	3				
6. Plastic - PET		24	33	9				
7. Plastic - PVC								
8. Plastic - Other		24	43	19				
9. Organic Material - Yard Waste		5	8	3				
10. Organic Material - Other		24	39	15				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	36	12				
14. Non-Ferrous Metal - Other		5	9	4				
15. Glass		24	36	12				
16. Inorganic Material		24	42	18				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 17 / 17.5								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%	10%	10%	50%				20%	
Bottom Fines: 16.5 / 16.5								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
18%		10%	80%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>1</u>		Date: <u>7-14-09</u>	
		Time: <u>7:30 A.M.</u>		Person Recording: <u>Jon</u>	
HAULER INFORMATION:		Company Name: <u>W. M.</u>		Truck #: <u>411273</u>	
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>			
ORIGINATION OF TRUCK:		Service Area: <u>Hastings MN (Regina Medical)</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>47880</u>			
		Outgoing Truck Weight (#): <u>39820</u>			
		Weight of MSW (#): <u>8060</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		24	29	5	
2. Paper - Other		24	36	12	
3. Cardboard - Corrugated		24	30	6	
4. Cardboard - Other		24	28	4	
5. Plastic - HDPE		24	36	12	
6. Plastic - PET		24	29	5	
7. Plastic - PVC					
8. Plastic - Other		24	38	14	
9. Organic Material - Yard Waste					
10. Organic Material - Other					
11. Electronics / Small Appliances					
12. Ferrous Metals					
13. Non-Ferrous Metal - Aluminum		24	29	5	
14. Non-Ferrous Metal - Other					
15. Glass					
16. Inorganic Material		24	116	92	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste					
Top Fines: <u>20 lbs.</u>					
% Paper <u>20%</u>	% Cardboard <u>10%</u>	% Plastic <u>20%</u>	% Organic <u>50%</u>	% Ferrous	% Non-Ferr
				% Glass	% Inorganic <u>50%</u>
					% SWCM
Bottom Fines: <u>1 lbs.</u>					
% Paper <u>45%</u>	% Cardboard <u>5%</u>	% Plastic <u>45%</u>	% Organic	% Ferrous	% Non-Ferr
				% Glass	% Inorganic <u>5%</u>
					% SWCM
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
					% SWCM
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: <u>2</u>		Date: <u>7-14-09</u>	
		Time: <u>8:33 A.M.</u>		Person Recording: <u>Jon</u>	
HAULER INFORMATION:		Company Name: <u>W M,</u>		Truck #: <u>207961</u>	
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>			
ORIGINATION OF TRUCK:		Service Area: <u>T.I. Red wing</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>52920</u>			
		Outgoing Truck Weight (#): <u>42840</u>			
		Weight of MSW (#): <u>10080</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		24	26	2	
2. Paper - Other		24	59	35	
3. Cardboard - Corrugated		24	34	10	
4. Cardboard - Other		24	46	22	
5. Plastic - HDPE		24	40	16	
6. Plastic - PET		24	35	11	
7. Plastic - PVC					
8. Plastic - Other		24	51	27	
9. Organic Material - Yard Waste					
10. Organic Material - Other		24	65	41	
11. Electronics / Small Appliances					
12. Ferrous Metals		5	6 9	4	
13. Non-Ferrous Metal - Aluminum		24	33	9	
14. Non-Ferrous Metal - Other					
15. Glass		24	49	25	
16. Inorganic Material		24	47	23	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste		5	8	3	
Top Fines: <u>16</u> <u>165</u>					
% Paper <u>20%</u>	% Cardboard <u>15%</u>	% Plastic <u>25%</u>	% Organic <u>20%</u>	% Ferrous	% Non-Ferr
				% Glass <u>10%</u>	% Inorganic <u>10%</u>
					% SWCM
Bottom Fines: <u>12</u> <u>165</u>					
% Paper <u>5%</u>	% Cardboard	% Plastic <u>5%</u>	% Organic <u>85%</u>	% Ferrous	% Non-Ferr
				% Glass	% Inorganic <u>5%</u>
					% SWCM
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
				% Glass	% Inorganic
					% SWCM
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: <u>3</u>		Date: <u>7-14-09</u>				
		Time: <u>9:00</u>		Person Recording: <u>Eric Anderson</u>				
HAULER INFORMATION:		Company Name: <u>City of R.W.</u> Truck #: <u>305</u>						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Lake City</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>52340</u>						
		Outgoing Truck Weight (#): <u>34340</u>						
		Weight of MSW (#): <u>18000</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>33</u>	<u>9</u>				
2. Paper - Other		<u>24</u>	<u>65</u>	<u>41</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>37</u>	<u>13</u>				
4. Cardboard - Other		<u>24</u>	<u>35</u>	<u>11</u>				
5. Plastic - HDPE		<u>24</u>	<u>33</u>	<u>9</u>				
6. Plastic - PET		<u>24</u>	<u>36</u>	<u>12</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>56</u>	<u>32</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>39</u>	<u>15</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals		<u>5</u>	<u>6</u>	<u>1</u>				
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>36</u>	<u>12</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>30</u>	<u>6</u>				
16. Inorganic Material		<u>24</u>	<u>83</u>	<u>59</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>44</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>	<u>5%</u>	<u>20%</u>	<u>25%</u>			<u>5%</u>	<u>20%</u>	
Bottom Fines: <u>14</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>		<u>10%</u>	<u>80%</u>					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>4</u>		Date: <u>7-14-09</u>	
		Time: <u>10:50</u>		Person Recording: <u>Eric Anderson</u>	
HAULER INFORMATION:		Company Name: <u>Gibson</u>		Truck #: <u>61</u>	
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/>		Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>	
ORIGINATION OF TRUCK:		Service Area: <u>Cannon Falls</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>46860</u>			
		Outgoing Truck Weight (#): <u>33660</u>			
		Weight of MSW (#): <u>13200</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		24	30	6	
2. Paper - Other		24	90	66	
3. Cardboard - Corrugated		24	39	15	
4. Cardboard - Other		24	40	16	
5. Plastic - HDPE		24	44	20	
6. Plastic - PET		24	34	10	
7. Plastic - PVC					
8. Plastic - Other		24	55	31	
9. Organic Material - Yard Waste		5	12	7	
10. Organic Material - Other		24	48	24	
11. Electronics / Small Appliances		5	11	6	
12. Ferrous Metals		5	7	2	
13. Non-Ferrous Metal - Aluminum		24	28	4	
14. Non-Ferrous Metal - Other					
15. Glass		24	37	13	
16. Inorganic Material		24	75	51	
17. Solid Wastes Containing Mercury					
18. Household Hazardous Waste					
Top Fines:		<u>23 165</u>			
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
25%	15%	25%	15%		5%
% Glass	% Inorganic	% SWCM			
5%	15%				
Bottom Fines:		<u>14 165</u>			
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
5%		5%	80%		5%
% Glass	% Inorganic	% SWCM			
5%	5%				
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
					% Glass
					% Inorganic
					% SWCM
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: 5		Date: 7-14-09				
		Time: 11:30		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: City of RW Truck #: 550						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Lake City						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 50080						
		Outgoing Truck Weight (#): 34180						
		Weight of MSW (#): 15900						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	35	11				
2. Paper - Other		24	92	68				
3. Cardboard - Corrugated		24	28	4				
4. Cardboard - Other		24	40	16				
5. Plastic - HDPE		24	33	9				
6. Plastic - PET		24	31	7				
7. Plastic - PVC		5	6	1				
8. Plastic - Other		24	77	53				
9. Organic Material - Yard Waste		5	6	1				
10. Organic Material - Other		24	59	35				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	11	6				
13. Non-Ferrous Metal - Aluminum		24	36	12				
14. Non-Ferrous Metal - Other								
15. Glass		24	35	11				
16. Inorganic Material		24	66	42				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines:		24	165					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
30%	10%	30%	20%			5%	5%	
Bottom Fines:		10	165					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>6</u>		Date: <u>7-14-09</u>				
		Time: <u>12:15</u>		Person Recording: <u>Eric Anderson</u>				
HAULER INFORMATION:		Company Name: <u>W/M</u>		Truck #: <u>208306</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Red Wing</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>45620</u>						
		Outgoing Truck Weight (#): <u>38180</u>						
		Weight of MSW (#): <u>7440</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>30</u>	<u>6</u>				
2. Paper - Other		<u>24</u>	<u>52</u>	<u>18</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>30</u>	<u>6</u>				
4. Cardboard - Other		<u>24</u>	<u>38</u>	<u>14</u>				
5. Plastic - HDPE		<u>24</u>	<u>36</u>	<u>12</u>				
6. Plastic - PET		<u>24</u>	<u>32</u>	<u>8</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>53</u>	<u>29</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>31</u>	<u>7</u>				
11. Electronics / Small Appliances		<u>5</u>	<u>40</u>	<u>35</u>				
12. Ferrous Metals		<u>5</u>	<u>6</u>	<u>1</u>				
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>32</u>	<u>8</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>30</u>	<u>6</u>				
16. Inorganic Material		<u>24</u>	<u>32</u>	<u>8</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		<u>5</u>	<u>6</u>	<u>1</u>				
Top Fines: <u>8165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>	<u>10%</u>	<u>35%</u>	<u>20%</u>			<u>5%</u>	<u>5%</u>	
Bottom Fines: <u>8165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>		<u>10%</u>	<u>79%</u>			<u>1%</u>		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>7</u>		Date: <u>7-14-09</u>	
		Time: <u>1:20</u>		Person Recording: <u>Jon</u>	
HAULER INFORMATION:		Company Name: <u>Gibson</u> Truck #: <u>68</u>			
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input checked="" type="checkbox"/>			
ORIGINATION OF TRUCK:		Service Area: <u>Cannon Falls</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>43640</u>			
		Outgoing Truck Weight (#): <u>31320</u>			
		Weight of MSW (#): <u>12320</u>			
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)	
1. Paper - Newsprint		24	40	16	
2. Paper - Other		24	72	48	
3. Cardboard - Corrugated		24	38	14	
4. Cardboard - Other		24	44	20	
5. Plastic - HDPE		24	40	16	
6. Plastic - PET		24	40	16	
7. Plastic - PVC		5 24	13	8	
8. Plastic - Other		24	69	45	
9. Organic Material - Yard Waste					
10. Organic Material - Other		24	53	29	
11. Electronics / Small Appliances		6	10	5	
12. Ferrous Metals		5	23	18	
13. Non-Ferrous Metal - Aluminum		24	35	9	
14. Non-Ferrous Metal - Other		5	11	6	
15. Glass		24	30	6	
16. Inorganic Material		24	70	46	
17. Solid Wastes Containing Mercury		5	13	8	
18. Household Hazardous Waste		5	7	2	
Top Fines: <u>14</u>					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
20%	10%	25%	20%		5%
		% Inorganic	% SWCM		
		20%			
Bottom Fines: <u>19</u>					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
5%		5%	80%		5%
		% Inorganic	% SWCM		
		5%			
Non-Separable Item #1:					
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr
Non-Separable Item #2:					

Load Information Form

GENERAL INFORMATION:		Sample #: 8		Date: 7-14-09				
		Time: 1:30		Person Recording: Jon				
HAULER INFORMATION:		Company Name: City of RW Truck #: 550						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Redwing						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 33680						
		Outgoing Truck Weight (#): 21480						
		Weight of MSW (#): 12200						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	37	13				
2. Paper - Other		24	74	54				
3. Cardboard - Corrugated		24	34	10				
4. Cardboard - Other		24	40	16				
5. Plastic - HDPE		24	36	12				
6. Plastic - PET		24	36	12				
7. Plastic - PVC		5	9	4				
8. Plastic - Other		24	75	51				
9. Organic Material - Yard Waste		5	6	1				
10. Organic Material - Other		24	1169	45				
11. Electronics / Small Appliances		5	9	4				
12. Ferrous Metals		5	9	4				
13. Non-Ferrous Metal - Aluminum		24	33	9				
14. Non-Ferrous Metal - Other		5	7	2				
15. Glass		24	33	9				
16. Inorganic Material		24	50	26				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines:		44 lbs						
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
25%	15%	30%	20%			5%	5%	
Bottom Fines:		37 lbs						
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	10%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 1		Date: 7-15-09				
		Time: 7:30		Person Recording: Jon				
HAULER INFORMATION:		Company Name: City of RW Truck #: 305						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Hazedorn - Lake City						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 46340						
		Outgoing Truck Weight (#): 34260						
		Weight of MSW (#): 12080						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	53	29				
2. Paper - Other		24	80	56				
3. Cardboard - Corrugated		24	48	24				
4. Cardboard - Other		24	45	21				
5. Plastic - HDPE		24	31	7				
6. Plastic - PET		24	30	6				
7. Plastic - PVC		5	8	3				
8. Plastic - Other		24	46	22				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	32	8				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	6	1				
13. Non-Ferrous Metal - Aluminum		24	35	11				
14. Non-Ferrous Metal - Other		5	18	13				
15. Glass		24	26	2				
16. Inorganic Material		24	82	58				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 19 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
35%	20%	20%	10%			5%	10%	
Bottom Fines: 24 lbs								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%		10%	80%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>2</u>		Date: <u>7-15-09</u>				
		Time: <u>8:10 Am</u>		Person Recording: <u>Jon</u>				
HAULER INFORMATION:		Company Name: <u>W/m</u>		Truck #: <u>411273</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>(Target) Redwing</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>56560</u>						
		Outgoing Truck Weight (#): <u>40880</u>						
		Weight of MSW (#): <u>15680</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint								
2. Paper - Other		<u>24</u>	<u>76</u>	<u>52</u>				
3. Cardboard - Corrugated 30		<u>24</u>	<u>3149</u>	<u>25</u>				
4. Cardboard - Other		<u>24</u>	<u>51</u>	<u>21</u>				
5. Plastic - HDPE		<u>24</u>	<u>42</u>	<u>18</u>				
6. Plastic - PET		<u>24</u>	<u>31</u>	<u>7</u>				
7. Plastic - PVC								
8. Plastic - Other 30		<u>24</u>	<u>86</u>	<u>62</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>57</u>	<u>28</u>				
11. Electronics / Small Appliances		<u>5</u>	<u>8</u>	<u>3</u>				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>30</u>	<u>6</u>				
14. Non-Ferrous Metal - Other		<u>5</u>	<u>14</u>	<u>9</u>				
15. Glass								
16. Inorganic Material		<u>24</u>	<u>39</u>	<u>15</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>17</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>30%</u>	<u>25%</u>	<u>35%</u>	<u>10%</u>					
Bottom Fines: <u>15</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>30%</u>		<u>30%</u>	<u>25%</u>				<u>15%</u>	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>3</u>		Date: <u>7/15/09</u>				
		Time: <u>0955</u>		Person Recording: <u>DC</u>				
HAULER INFORMATION:		Company Name: <u>W.M.</u>		Truck #: <u>411273</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>T. Bland</u> (200500)						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>56560</u>						
		Outgoing Truck Weight (#): <u>40880</u>						
		Weight of MSW (#): <u>15680</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>44</u>	<u>20</u>				
2. Paper - Other		<u>24</u>	<u>77</u>	<u>53</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>30</u>	<u>6</u>				
4. Cardboard - Other		<u>24</u>	<u>50</u>	<u>26</u>				
5. Plastic - HDPE		<u>24</u>	<u>29</u>	<u>5</u>				
6. Plastic - PET		<u>24</u>	<u>35</u>	<u>11</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>56</u>	<u>32</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>64</u>	<u>40</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>33</u>	<u>9</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>54</u>	<u>30</u>				
16. Inorganic Material								
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>45</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>35%</u>	<u>15%</u>	<u>30%</u>	<u>20%</u>				20%	
Bottom Fines: <u>300</u> <u>3</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>		<u>10%</u>	<u>80%</u>					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>4</u>		Date: <u>7/15/09</u>				
		Time: <u>1140</u>		Person Recording: <u>DC</u>				
HAULER INFORMATION:		Company Name: <u>WPC</u>		Truck #: <u>411273</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>T. Island</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>38620</u>						
		Outgoing Truck Weight (#): <u>35380</u>						
		Weight of MSW (#): <u>3240</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>30</u>	<u>6</u>				
2. Paper - Other		<u>24</u>	<u>56</u>	<u>32</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>33</u>	<u>9</u>				
4. Cardboard - Other		<u>24</u>	<u>30</u>	<u>6</u>				
5. Plastic - HDPE		<u>24</u>	<u>33</u>	<u>9</u>				
6. Plastic - PET		<u>24</u>	<u>45</u>	<u>21</u>				
7. Plastic - PVC			<u>-</u>					
8. Plastic - Other		<u>24</u>	<u>42</u>	<u>18</u>				
9. Organic Material - Yard Waste		<u>5</u>	<u>6</u>	<u>1</u>				
10. Organic Material - Other		<u>24</u>	<u>60</u>	<u>36</u>				
11. Electronics / Small Appliances			<u>-</u>					
12. Ferrous Metals		<u>5</u>	<u>8</u>	<u>3</u>				
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>44</u>	<u>20</u>				
14. Non-Ferrous Metal - Other		<u>24</u>	<u>44</u>	<u>20</u>				
15. Glass		<u>24</u>	<u>26</u>	<u>2</u>				
16. Inorganic Material		<u>24</u>	<u>42</u>	<u>18</u>				
17. Solid Wastes Containing Mercury			<u>-</u>					
18. Household Hazardous Waste			<u>-</u>					
Top Fines: <u>27</u> <u>lbs</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>	<u>10%</u>	<u>30%</u>	<u>25%</u>			<u>5%</u>	<u>5%</u>	
Bottom Fines: <u>9</u> <u>lbs</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>		<u>5%</u>	<u>80%</u>				<u>5%</u>	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>5</u>		Date: <u>7-15-09</u>				
		Time: <u>11:55 Am</u>		Person Recording: <u>Jon</u>				
HAULER INFORMATION:		Company Name: <u>Gibson</u> Truck #: <u>G12</u>						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Cannon Falls (west side)</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>47540</u>						
		Outgoing Truck Weight (#): <u>31480</u>						
		Weight of MSW (#): <u>16060</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>43</u>	<u>19</u>				
2. Paper - Other		<u>24</u>	<u>74</u>	<u>50</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>44</u>	<u>20</u>				
4. Cardboard - Other		<u>24</u>	<u>42</u>	<u>18</u>				
5. Plastic - HDPE		<u>24</u>	<u>45</u>	<u>21</u>				
6. Plastic - PET		<u>24</u>	<u>42</u>	<u>18</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>91</u>	<u>67</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>75</u>	<u>51</u>				
11. Electronics / Small Appliances		<u>5</u>	<u>11</u>	<u>6</u>				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>30</u>	<u>6</u>				
14. Non-Ferrous Metal - Other		<u>5</u>	<u>6</u>	<u>1</u>				
15. Glass								
16. Inorganic Material		<u>24</u>	<u>106</u>	<u>42</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		<u>5</u>	<u>6</u>	<u>1</u>				
Top Fines: <u>5</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>	<u>15%</u>	<u>30%</u>	<u>20%</u>				<u>10%</u>	
Bottom Fines: <u>6</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>		<u>10%</u>	<u>90%</u>					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 6		Date: 7/15/09				
		Time: 1220		Person Recording: DE				
HAULER INFORMATION:		Company Name: City of Putnam Truck #: 308						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Hagedorn Lake City						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 52660						
		Outgoing Truck Weight (#): 34480						
		Weight of MSW (#): 18180						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	27	3				
2. Paper - Other		24	69	45				
3. Cardboard - Corrugated		24	42	18				
4. Cardboard - Other		24	46	22				
5. Plastic - HDPE		24	39	15				
6. Plastic - PET		24	38	14				
7. Plastic - PVC								
8. Plastic - Other		24	66	42				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	54	30				
11. Electronics / Small Appliances		5	17	12				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	36	12				
14. Non-Ferrous Metal - Other		5	17	12				
15. Glass		24	34	10				
16. Inorganic Material		24	76	52				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	19	14				
Top Fines: 40								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
25%	15%	30%	15%			5%	10%	
Bottom Fines: 19								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>7</u>		Date: <u>7/15/09</u>				
		Time: <u>1235</u>		Person Recording: <u>DC</u>				
HAULER INFORMATION:		Company Name: <u>WLM</u>		Truck #: <u>91273</u>				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>T. Island</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>38540</u>						
		Outgoing Truck Weight (#): <u>34860</u>						
		Weight of MSW (#): <u>3680</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>26</u>	<u>2</u>				
2. Paper - Other		<u>24</u>	<u>42</u>	<u>18</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>61</u>	<u>37</u>				
4. Cardboard - Other		<u>24</u>	<u>30</u>	<u>6</u>				
5. Plastic - HDPE		<u>24</u>	<u>27</u>	<u>3</u>				
6. Plastic - PET		<u>24</u>	<u>42</u>	<u>18</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>36</u>	<u>12</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>26</u>	<u>2</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>32</u>	<u>8</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>26</u>	<u>2</u>				
16. Inorganic Material		<u>24</u>	<u>45</u>	<u>21</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>7 lbs</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>25%</u>	<u>20%</u>	<u>25%</u>				<u>5%</u>	<u>25%</u>	
Bottom Fines: <u>6 lbs</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>20%</u>		<u>20%</u>	<u>40%</u>				<u>20%</u>	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 8		Date: 7/15/09				
		Time: 12:45		Person Recording: D.C.				
HAULER INFORMATION:		Company Name: City of RW Truck #: 550						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Red Wing						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 35340						
		Outgoing Truck Weight (#): 21380						
		Weight of MSW (#): 13960						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	29	5				
2. Paper - Other		24	63	39				
3. Cardboard - Corrugated		24	33	9				
4. Cardboard - Other		24	35	11				
5. Plastic - HDPE		24	41	17				
6. Plastic - PET		24	35	11				
7. Plastic - PVC								
8. Plastic - Other		24	86	52				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	71	47				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	7	2				
13. Non-Ferrous Metal - Aluminum		24	29	5				
14. Non-Ferrous Metal - Other		5	6	1				
15. Glass		24	26	2				
16. Inorganic Material		24	61	37				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	10	5				
Top Fines: 43165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	10%	30%	35%				5%	
Bottom Fines: 28165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>1</u>		Date: <u>7-16-09</u>				
		Time: <u>7:10</u>		Person Recording: <u>Jon</u>				
HAULER INFORMATION:		Company Name: <u>City of RW</u> Truck #: <u>305</u>						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Hagedorn</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>52740</u>						
		Outgoing Truck Weight (#): <u>34400</u>						
		Weight of MSW (#): <u>18340</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>28</u>	<u>4</u>				
2. Paper - Other		<u>24</u>	<u>73</u>	<u>49</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>27</u>	<u>3</u>				
4. Cardboard - Other		<u>24</u>	<u>35</u>	<u>11</u>				
5. Plastic - HDPE		<u>24</u>	<u>39</u>	<u>15</u>				
6. Plastic - PET		<u>24</u>	<u>37</u>	<u>13</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>75</u>	<u>51</u>				
9. Organic Material - Yard Waste		<u>5</u>	<u>5</u>	<u>-</u>				
10. Organic Material - Other		<u>24</u>	<u>80</u>	<u>56</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>35</u>	<u>11</u>				
14. Non-Ferrous Metal - Other		<u>5</u>	<u>8</u>	<u>3</u>				
15. Glass		<u>24</u>	<u>34</u>	<u>10</u>				
16. Inorganic Material		<u>24</u>	<u>65</u>	<u>41</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>34 165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>20%</u>	<u>5%</u>	<u>30%</u>	<u>25%</u>			<u>5%</u>	<u>15%</u>	
Bottom Fines: <u>20 165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>10%</u>	<u>2%</u>	<u>10%</u>	<u>70%</u>			<u>3%</u>	<u>5%</u>	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 2		Date: 7/16/09				
		Time: 0850		Person Recording: D.C.				
HAULER INFORMATION:		Company Name: W/M		Truck #: 411273				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: T. Island Hotel						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 49220						
		Outgoing Truck Weight (#): 42520						
		Weight of MSW (#): 6700						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	45	21				
2. Paper - Other		24	43	19				
3. Cardboard - Corrugated		24	48	24				
4. Cardboard - Other		24	33	9				
5. Plastic - HDPE		24	29	5				
6. Plastic - PET		24	46	42				
7. Plastic - PVC								
8. Plastic - Other		24	69	45				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	33	9				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	34	10				
14. Non-Ferrous Metal - Other		5	6	1				
15. Glass		24	46	22				
16. Inorganic Material		24	98	75				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	6	1				
Top Fines: 24								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
15%	10%	35%	25%			5%	10%	
Bottom Fines:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
10%	5%	10%	65%			5%	5%	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 3		Date: 7/16/09				
		Time: 10:15		Person Recording: D. C.				
HAULER INFORMATION:		Company Name: W/M		Truck #: 411273				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Econo						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 49860						
		Outgoing Truck Weight (#): 39380						
		Weight of MSW (#): 10480						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint								
2. Paper - Other		24	41	17				
3. Cardboard - Corrugated		24	52	28				
4. Cardboard - Other		24	34	10				
5. Plastic - HDPE		24	53	29				
6. Plastic - PET		26	63	39				
7. Plastic - PVC								
8. Plastic - Other		48	154	106				
9. Organic Material - Yard Waste		5	19	14				
10. Organic Material - Other		24	225	201				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	12	7				
13. Non-Ferrous Metal - Aluminum		24	27	3				
14. Non-Ferrous Metal - Other								
15. Glass								
16. Inorganic Material		24	29	5				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 43 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%	5%	35%	50%				5%	
Bottom Fines: 14 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 4		Date: 7/16/09				
		Time: 1110		Person Recording: DL				
HAULER INFORMATION:		Company Name: W.M.		Truck #: 207961				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Goodhue Cannon Falls						
MSW LOAD WEIGHT:		Incoming Truck Weight (#):		64080				
		Outgoing Truck Weight (#):		42760				
		Weight of MSW (#):		21320				
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	34	10				
2. Paper - Other		24	56	32				
3. Cardboard - Corrugated		24	42	18				
4. Cardboard - Other		24	42	18				
5. Plastic - HDPE		24	36	12				
6. Plastic - PET		24	32	8				
7. Plastic - PVC		5	6	1				
8. Plastic - Other		24	69	34				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	117	93				
11. Electronics / Small Appliances		24	34	10				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	37	13				
14. Non-Ferrous Metal - Other								
15. Glass		24	29	5				
16. Inorganic Material								
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 17 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	10%	25%	40%			5%		
Bottom Fines: 7 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
4%		5%	90%			1%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>5</u>		Date: <u>7/16/09</u>				
		Time: <u>1130</u>		Person Recording:				
HAULER INFORMATION:		Company Name: <u>Gibson</u>		Truck #: <u>68</u>				
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Goodhue</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>42960</u>						
		Outgoing Truck Weight (#): <u>31320</u>						
		Weight of MSW (#): <u>11640</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		<u>24</u>	<u>30</u>	<u>6</u>				
2. Paper - Other		<u>24</u>	<u>61</u>	<u>37</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>28</u>	<u>4</u>				
4. Cardboard - Other		<u>24</u>	<u>47</u>	<u>23</u>				
5. Plastic - HDPE		<u>24</u>	<u>35</u>	<u>11</u>				
6. Plastic - PET		<u>24</u>	<u>35</u>	<u>11</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>58</u>	<u>34</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>71</u>	<u>47</u>				
11. Electronics / Small Appliances		<u>5</u>	<u>7</u>	<u>2</u>				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>30</u>	<u>6</u>				
14. Non-Ferrous Metal - Other								
15. Glass		<u>24</u>	<u>33</u>	<u>9</u>				
16. Inorganic Material		<u>24</u>	<u>64</u>	<u>40</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>31</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>20%</u>	<u>10%</u>	<u>25%</u>	<u>30%</u>			<u>5%</u>	<u>10%</u>	
Bottom Fines: <u>5</u> <u>165</u>								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
<u>5%</u>	<u>4%</u>	<u>5%</u>	<u>80%</u>			<u>1%</u>	<u>5%</u>	
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: <u>6</u>		Date: <u>7/16/09</u>				
		Time: <u>1150</u>		Person Recording:				
HAULER INFORMATION:		Company Name: <u>City of RW</u>		Truck #: <u>305</u>				
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: <u>Hagedorn Lake City</u>						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>40920</u>						
		Outgoing Truck Weight (#): <u>34320</u>						
		Weight of MSW (#): <u>6600</u>						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint								
2. Paper - Other		<u>24</u>	<u>80</u>	<u>56</u>				
3. Cardboard - Corrugated		<u>24</u>	<u>31</u>	<u>7</u>				
4. Cardboard - Other		<u>24</u>	<u>45</u>	<u>21</u>				
5. Plastic - HDPE		<u>24</u>	<u>35</u>	<u>11</u>				
6. Plastic - PET		<u>24</u>	<u>40</u>	<u>16</u>				
7. Plastic - PVC								
8. Plastic - Other		<u>24</u>	<u>75</u>	<u>51</u>				
9. Organic Material - Yard Waste								
10. Organic Material - Other		<u>24</u>	<u>55</u>	<u>31</u>				
11. Electronics / Small Appliances								
12. Ferrous Metals		<u>5</u>	<u>6</u>	<u>1</u>				
13. Non-Ferrous Metal - Aluminum		<u>24</u>	<u>32</u>	<u>8</u>				
14. Non-Ferrous Metal - Other		<u>5</u>	<u>6</u>	<u>1</u>				
15. Glass		<u>24</u>	<u>55</u>	<u>33</u>				
16. Inorganic Material		<u>24</u>	<u>85</u>	<u>61</u>				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: <u>23</u>								
% Paper <u>20%</u>	% Cardboard <u>10%</u>	% Plastic <u>25%</u>	% Organic <u>25%</u>	% Ferrous	% Non-Ferr	% Glass <u>5%</u>	% Inorganic <u>15%</u>	% SWCM
Bottom Fines: <u>10</u>								
% Paper <u>5%</u>	% Cardboard	% Plastic <u>5%</u>	% Organic <u>90%</u>	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 7		Date: 7-16-09				
		Time: 1:00 pm		Person Recording: Jon				
HAULER INFORMATION:		Company Name: City of AR Truck #: 550						
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Red wing						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 36120						
		Outgoing Truck Weight (#): 21560						
		Weight of MSW (#): 14560						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	27	3				
2. Paper - Other		24	75	51				
3. Cardboard - Corrugated		24	29	5				
4. Cardboard - Other		24	29	5				
5. Plastic - HDPE		24	32	8				
6. Plastic - PET		24	34	10				
7. Plastic - PVC								
8. Plastic - Other		24	63	39				
9. Organic Material - Yard Waste		5	14	9				
10. Organic Material - Other		24	62	38				
11. Electronics / Small Appliances		5	17	12				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	29	5				
14. Non-Ferrous Metal - Other								
15. Glass		24	30	6				
16. Inorganic Material		24	66	42				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	10	5				
Top Fines: 51								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	5%	20%	30%			5%	20%	
Bottom Fines: 18								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		4%	90%			1%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 8		Date: 7-16-09				
		Time: 1:25 pm		Person Recording: Jon				
HAULER INFORMATION:		Company Name: Gibson		Truck #: G1				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input checked="" type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Cannon Falls / Wana Mingo						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 50940						
		Outgoing Truck Weight (#): 33620						
		Weight of MSW (#): 17320						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	26	2				
2. Paper - Other		24	49	25				
3. Cardboard - Corrugated		24	42	18				
4. Cardboard - Other		24	38	14				
5. Plastic - HDPE		24	38	14				
6. Plastic - PET		24	40	16				
7. Plastic - PVC		5	6	1				
8. Plastic - Other		24	34	14				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	46	22				
11. Electronics / Small Appliances		5	33	28				
12. Ferrous Metals		5	8	3				
13. Non-Ferrous Metal - Aluminum		24	35	11				
14. Non-Ferrous Metal - Other			24					
15. Glass		24	40	16				
16. Inorganic Material		24	52	28				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 15								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	10%	25%	30%			5%	10%	
Bottom Fines: 6								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%	1%	3%	90%			1%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 1		Date: 7-17-09				
		Time: 7:30 am		Person Recording: KP				
HAULER INFORMATION:		Company Name: Gibson		Truck #: 68				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input checked="" type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Cannon Falls & RW						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 36740						
		Outgoing Truck Weight (#): 31020						
		Weight of MSW (#): 5720						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	32	8				
2. Paper - Other		24	69	45				
3. Cardboard - Corrugated 80		24	51	27				
4. Cardboard - Other		24	40	16				
5. Plastic - HDPE		24	34	10				
6. Plastic - PET		24	39	5				
7. Plastic - PVC								
8. Plastic - Other		24	107	83				
9. Organic Material - Yard Waste		5	6	1				
10. Organic Material - Other		24	88	64				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	15	10				
13. Non-Ferrous Metal - Aluminum		24	31	7				
14. Non-Ferrous Metal - Other								
15. Glass		24	28	4				
16. Inorganic Material		24	63	41				
17. Solid Wastes Containing Mercury		5	7	2				
18. Household Hazardous Waste		5	7	2				
Top Fines: 14								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
20%	10%	30%	30%				10%	
Bottom Fines: 9								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 2		Date: 7-17-09				
		Time: 8:25		Person Recording:				
HAULER INFORMATION:		Company Name: WM		Truck #: 261063				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Goodhue						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 54160						
		Outgoing Truck Weight (#): 41200						
		Weight of MSW (#): 12960						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	26	2				
2. Paper - Other		24	59	35				
3. Cardboard - Corrugated		24	37	13				
4. Cardboard - Other		24	35	11				
5. Plastic - HDPE		24	49	25				
6. Plastic - PET		24	43	19				
7. Plastic - PVC								
8. Plastic - Other		24	39	15				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	66	42				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	30	6				
14. Non-Ferrous Metal - Other								
15. Glass		24	29	5				
16. Inorganic Material		24	61	37				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 14								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
15%	10%	30%	30%				15%	
Bottom Fines: 2								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 3		Date: 7-17-09				
		Time: 8:25		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: City of RW Truck #: 200						
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Wal-Mart						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 52020						
		Outgoing Truck Weight (#): 38140						
		Weight of MSW (#): 13880						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint								
2. Paper - Other		24	32	8				
3. Cardboard - Corrugated		24	96	72				
4. Cardboard - Other		24	33	9				
5. Plastic - HDPE		24	34	10				
6. Plastic - PET		24	28	4				
7. Plastic - PVC		5	6	1				
8. Plastic - Other		24	141	117				
9. Organic Material - Yard Waste		5	20	15				
10. Organic Material - Other		48	452	404				
11. Electronics / Small Appliances								
12. Ferrous Metals		5	10	5				
13. Non-Ferrous Metal - Aluminum		24	26	2				
14. Non-Ferrous Metal - Other								
15. Glass								
16. Inorganic Material		24	42	18				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 57								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%	10%	20%	60%				85%	
Bottom Fines: 12								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
		5%	95%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 4		Date: 7-17-09				
		Time: 4:05		Person Recording: Ollie				
HAULER INFORMATION:		Company Name: City of RW Truck #: 532						
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input checked="" type="checkbox"/>						
ORIGIN OF TRUCK:		Service Area: RW						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 47,500 58,420						
		Outgoing Truck Weight (#): 30,000 30,800						
		Weight of MSW (#): 8340						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	56	32				
2. Paper - Other		24	62	38				
3. Cardboard - Corrugated		24	30	6				
4. Cardboard - Other		24	26	2				
5. Plastic - HDPE		24	29	5				
6. Plastic - PET		24	39	15				
7. Plastic - PVC								
8. Plastic - Other 2 BINS weight		48	111	63				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	38	14				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	26	2				
14. Non-Ferrous Metal - Other								
15. Glass								
16. Inorganic Material		24	35	11				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 23								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
30%	5%	30%	30%				5%	
Bottom Fines: 8								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
		10%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 5		Date: 7-17-09				
		Time: 9:16		Person Recording: KP				
HAULER INFORMATION:		Company Name: WJM		Truck #: 207961				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: RW Caroline County						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 60240						
		Outgoing Truck Weight (#): 42940						
		Weight of MSW (#): 12300						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	36	6				
2. Paper - Other		24	53	29				
3. Cardboard - Corrugated		24	40	16				
4. Cardboard - Other		24	45	21				
5. Plastic - HDPE		24	38	14				
6. Plastic - PET		24	36	12				
7. Plastic - PVC								
8. Plastic - Other		24	71	47				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	64	40				
11. Electronics / Small Appliances		5	14	9				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	31	7				
14. Non-Ferrous Metal - Other		5	7	2				
15. Glass								
16. Inorganic Material		24	61	37				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 23								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
15%	5%	20%	35%				25%	
Bottom Fines: 11								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 6		Date: 7-17-09				
		Time: 9:30		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: City of R.W. Truck #: 530						
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: R.W.						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 35760						
		Outgoing Truck Weight (#): 30460						
		Weight of MSW (#): 5300						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	39	15				
2. Paper - Other		24	78	54				
3. Cardboard - Corrugated		24	54	30				
4. Cardboard - Other		24	32	8				
5. Plastic - HDPE		24	38	14				
6. Plastic - PET		24	38	14				
7. Plastic - PVC		5	7	2				
8. Plastic - Other		24	49	25				
9. Organic Material - Yard Waste								
10. Organic Material - Other		24	30	6				
11. Electronics / Small Appliances		5	7	2				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	32	8				
14. Non-Ferrous Metal - Other		5	7	2				
15. Glass		24	28	4				
16. Inorganic Material		48	109	61				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	6	1				
Top Fines: 8								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
25%	10%	25%	10%			5%	25%	
Bottom Fines: 19								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%		5%	90%					
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 7		Date: 7-17-09				
		Time: 9:40		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: City of RW Truck #: 531						
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Rcd Wing						
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 317400						
		Outgoing Truck Weight (#): 25300						
		Weight of MSW (#): 6440						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	40	16				
2. Paper - Other		24	69	75				
3. Cardboard - Corrugated		48	92	44				
4. Cardboard - Other		24	53 33	9				
5. Plastic - HDPE		24	33	9				
6. Plastic - PET		24	34	10				
7. Plastic - PVC								
8. Plastic - Other		24	53	29				
9. Organic Material - Yard Waste		5	6	1				
10. Organic Material - Other		24	53	29				
11. Electronics / Small Appliances		5	10	5				
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	48 33	9				
14. Non-Ferrous Metal - Other		5	6	1				
15. Glass		24	51	27				
16. Inorganic Material		24	60	36				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste		5	10	5				
Top Fines: 3 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
30%	15%	20%	20%			5%	10%	
Bottom Fines: 5 165								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
5%	5%	5%	80%			5%		
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								

Load Information Form

GENERAL INFORMATION:		Sample #: 8		Date: 7-17-09				
		Time: 12:15		Person Recording: Eric Anderson				
HAULER INFORMATION:		Company Name: WM		Truck #: 207961				
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input checked="" type="checkbox"/> Mixed: <input type="checkbox"/>						
ORIGINATION OF TRUCK:		Service Area: Lake City						
MSW LOAD WEIGHT:		Incoming Truck Weight (#):						
		Outgoing Truck Weight (#):						
		Weight of MSW (#):						
WASTE COMP. INFORMATION:		TARE WEIGHT (#)	GROSS WEIGHT (#)	SAMPLE WEIGHT (#)				
1. Paper - Newsprint		24	31	7				
2. Paper - Other		24	53	29				
3. Cardboard - Corrugated		24	31	7				
4. Cardboard - Other		24	37	13				
5. Plastic - HDPE		24	58	34				
6. Plastic - PET		24	33	9				
7. Plastic - PVC								
8. Plastic - Other		24	43	19				
9. Organic Material - Yard Waste		5	9	4				
10. Organic Material - Other		24	76	52				
11. Electronics / Small Appliances								
12. Ferrous Metals								
13. Non-Ferrous Metal - Aluminum		24	28	4				
14. Non-Ferrous Metal - Other								
15. Glass								
16. Inorganic Material		48	80/20	72				
17. Solid Wastes Containing Mercury								
18. Household Hazardous Waste								
Top Fines: 6								
% Paper 15%	% Cardboard 5%	% Plastic 25%	% Organic 25%	% Ferrous	% Non-Ferr	% Glass	% Inorganic 30%	% SWCM
Bottom Fines: 4								
% Paper 5%	% Cardboard 5%	% Plastic 5%	% Organic 85%	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #1:								
% Paper	% Cardboard	% Plastic	% Organic	% Ferrous	% Non-Ferr	% Glass	% Inorganic	% SWCM
Non-Separable Item #2:								