

SOLID WASTE COMPOSITION STUDY

RESULTS



SOLID WASTE RESOURCE RECOVERY FACILITY

AUGUST 20, 2019



**763 FERNDALE ROAD N
WAYZATA, MN 55391
(612) 490-9002**

August 20, 2019

Mr. Jon Steiner
Polk County Solid Waste Resource Recovery Facility
708 8th Street NW
Fosston, MN 56542

Re: 2019 Solid Waste Composition Study Results

Dear Mr. Steiner:

This report summarizes the results from the Solid Waste Composition Study (Study) performed by your facility during the week of June 24 to June 29, 2019.

Incoming MSW

For each of the 40 incoming MSW samples sorted, results were tabulated and a numerical analysis was performed to determine the overall weight percentages of the fractions separated from the waste stream. Tabulated results and numerical analysis are included in Appendix A. The field data sheets from the 40 incoming MSW samples sorted are included in Appendix E. 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 Incoming MSW

Total Combustibles		
Item	Lbs	wt%
Paper	1,814.7	21.2%
Cardboard	923.0	10.8%
Plastic	1,793.7	21.0%
Organics	2,354.5	27.5%
Textiles	622.7	7.3%
Total	7,508.6	87.7%

Total Non-Combustibles		
Item	Lbs	wt%
Various	1,051.8	12.3%
Total	8,560.4	100.0%

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

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

Fraction	Samples	Top Fines	Bottom Fines	Non-Separables	Total (Lbs)	Wt%
Paper - Newsprint (ONP)	109.2				109.2	1.3%
Paper - Mixed Office (SOP)	369.3				369.3	4.3%
Paper - Other (Magazines, Books, etc.)	176.2				176.2	2.1%
Paper - Compostable	1,079.5	71.0	9.6		1160.0	13.6%
Cardboard - Corrugated (OCC)	312.3				312.3	3.6%
Cardboard - Boxboard / Paperboard	222.2				222.2	2.6%
Cardboard - Cartons Gable Top & Aseptic	33.0				33.0	0.4%
Cardboard - Other	347.0	8.5			355.5	4.2%
Plastic #1 - PET	182.5				182.5	2.1%
Plastic #2 - HDPE	109.8				109.8	1.3%
Plastic #3 - PVC	12.7				12.7	0.1%
Plastic #5 - PP	45.8				45.8	0.5%
Plastic - Bags & Stretch Film	755.3				755.3	8.8%
Plastic - Other	662.2	19.8		5.6	687.6	8.0%
Organics - Yard Waste	161.7				161.7	1.9%
Organics - Food Waste	1,223.9				1,223.9	14.3%
Organics - Other	645.5	113.9	203.9	5.6	968.9	11.3%
Textiles	622.7				622.7	7.3%
Ferrous Metal - Cans	75.1				75.1	0.9%
Ferrous Metal - Other	82.5	0.9		37.3	120.7	1.4%
Non-Ferrous Metal - UBC (Cans)	105.1				105.1	1.2%
Non-Ferrous Metal - Other	62.5				62.5	0.7%
Glass	202.3	32.7	11.6		246.6	2.9%
Inorganic Material	201.2	4.4	81.4		287.0	3.4%
Electronics - Regulated (Video Screens)	0.4				0.4	0.0%
Electronics - Non-Reg (Circuit Boards)	9.4				9.4	0.1%
Electronics - Small Appliances	126.1				126.1	1.5%
Household Hazardous Waste - General	10.8				10.8	0.1%
Household Hazardous Waste - Batteries	8.1				8.1	0.1%
Problem Wastes (Car Seats, etc.)	0.0				0.0	0.0%
Special Wastes (Tires, etc.)	0.0				0.0	0.0%

Solid Wastes Containing Mercury	0.0				0.0	0.0%
Total	7,954.3	251.3	306.4	48.4	8,560.4	100.0%

Samples were submitted to MVTL Laboratories for analysis to determine proximate analysis, ultimate analysis, and heating value 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 – Incoming MSW (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	37.12%	37.55%	37.32%	37.23%	37.31%
Ash	wt%	4.28%	4.55%	4.25%	4.42%	4.38%
Volatile Matter	wt%	54.89%	54.23%	54.36%	54.74%	54.56%
Total Sulfur	wt%	0.06%	0.07%	0.06%	0.06%	0.06%
Fixed Carbon (By Difference)	wt%	3.65%	3.60%	4.01%	3.55%	3.70%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Table 4: Ultimate Analysis – Incoming MSW (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	37.12%	37.55%	37.32%	37.23%	37.31%
Ash	wt%	4.28%	4.55%	4.25%	4.42%	4.38%
Carbon	wt%	30.84%	32.26%	32.43%	31.94%	31.87%
Hydrogen	wt%	8.24%	8.51%	8.49%	8.45%	8.42%
Nitrogen	wt%	0.30%	0.31%	0.29%	0.33%	0.31%
Total Sulfur	wt%	0.06%	0.07%	0.06%	0.06%	0.06%
Chlorine	wt%	0.86%	1.11%	1.47%	0.71%	1.04%
Oxygen (By Difference)	wt%	55.42%	53.19%	53.01%	54.09%	53.93%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Table 5: Heating Value – Incoming MSW (Combustible Fractions Only)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Heating Value	Btu/lb	6,158	5,598	5,143	5,323	5,556

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 received. These results are presented below in Tables 6, 7, and 8, respectively:

Table 6: Proximate Analysis – Incoming MSW (As Received)

Analyte	Result as Received
Total Moisture	32.72%
Ash	3.84%
Volatile Matter	47.85%
Total Sulfur	0.05%
Fixed Carbon (By Difference)	3.25%
Non-Combustibles	12.29%
Total	100.00%

Table 7: Ultimate Analysis – Incoming MSW (As Received)

Analyte	Result as Received
Total Moisture	32.72%
Ash	2.41%
Carbon	17.52%
Hydrogen	4.63%
Nitrogen	0.17%
Total Sulfur	0.03%
Chlorine	0.57%
Oxygen (By Difference)	29.66%
Non-Combustibles	12.29%
Total	100.00%

Table 8: Heating Value – Incoming MSW (As Received)

Analyte	Units	
Heating Value	Btu/lb	4,873

Processed MSW

During the Study, 16 processed MSW samples were also sorted. For each of the 16 processed MSW samples sorted, results were tabulated and a numerical analysis was performed to determine the overall weight percentages of the fractions separated from the waste stream. Tabulated results and numerical analysis are included in Appendix D. The field data sheets from

the 16 processed MSW samples sorted are included in Appendix F. Results are summarized as follows for the combustible and non-combustible waste fraction groupings in Table 9:

Table 9: Weight Fractions of each Fraction Grouping Present in Processed MSW

Total Combustibles		
Item	Lbs	wt%
Paper	1,617.4	47.7%
Cardboard	129.2	3.8%
Plastic	754.5	22.3%
Organics	452.0	13.3%
Textiles	320.1	9.4%
Total	3,273.2	96.6%

Total Non-Combustibles		
Item	Lbs	wt%
Various	114.5	3.4%
Total	3,387.7	100.0%

Results for each of the individual fractions are presented below in Table 10:

Table 10: Weight Fractions of Each Individual Fraction Present in Processed MSW

Fraction	Samples	Top Fines	Bottom Fines	Non-Separables	Total (Lbs)	Wt%
Paper - Newsprint (ONP)	0.0				0.0	0.0%
Paper - Mixed Office (SOP)	0.0				0.0	0.0%
Paper - Other (Magazines, Books, etc.)	0.0				0.0	0.0%
Paper - Compostable	1,530.4	87.0			1,617.4	47.7%
Cardboard - Corrugated (OCC)	129.2				129.2	3.8%
Cardboard - Boxboard / Paperboard	0.0				0.0	0.0%
Cardboard - Cartons Gable Top & Aseptic	0.0				0.0	0.0%
Cardboard - Other	0.0				0.0	0.0%
Plastic #1 - PET	35.2				35.2	1.0%
Plastic #2 - HDPE	26.3				26.3	0.8%
Plastic #3 - PVC	0.0				0.0	0.0%
Plastic #5 - PP	0.0				0.0	0.0%

Plastic - Bags & Stretch Film	0.0				0.0	0.0%
Plastic - Other	693.0				693.0	20.5%
Organics - Yard Waste	0.0				0.0	0.0%
Organics - Food Waste	128.7				128.7	3.8%
Organics - Other	268.5	21.7	33.1		323.3	9.5%
Textiles	320.1				320.1	9.4%
Ferrous Metal - Cans	11.2				11.2	0.3%
Ferrous Metal - Other	30.2				30.2	0.9%
Non-Ferrous Metal - UBC (Cans)	25.4				25.4	0.7%
Non-Ferrous Metal - Other	5.9				5.9	0.2%
Glass	6.2				6.2	0.2%
Inorganic Material	16.3		8.3		24.6	0.7%
Electronics - Regulated (Video Screens)	0.1				0.1	0.0%
Electronics - Non-Reg (Circuit Boards)	0.0				0.0	0.0%
Electronics - Small Appliances	10.1				10.1	0.3%
Household Hazardous Waste - General	0.4				0.4	0.0%
Household Hazardous Waste - Batteries	0.4				0.4	0.0%
Problem Wastes (Car Seats, etc.)	0.0				0.0	0.0%
Special Wastes (Tires, etc.)	0.0				0.0	0.0%
Solid Wastes Containing Mercury	0.0				0.0	0.0%
Total	3,237.6	108.7	41.4	0.0	3,387.7	100.0%

If you have any questions or comments regarding this report, or if you require any additional information, please feel free to contact me at (612) 490-9002.

Sincerely,
Estensen Environmental

David W. Estensen
President

Appendix A

Field Data Sheet Numerical Analysis Incoming MSW

Polk County Solid Waste Resource Recovery
 2019 Solid Waste Composition Study Field Sheet Data Analysis
 Incoming MSW

Service Area																					
Sample	Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Fraction																					
Paper - Newsprint (ONP)	Lbs	3.9	6.6	2.7	1.9	3.4	4.0	0.8	1.5	0.9	2.5	5.4	2.5	6.7	5.1	2.7	1.9	5.7	1.9	3.5	0.6
Paper - Mixed Office (SOP)	Lbs	3.0	2.8	5.3	3.2	3.3	39.4	9.2	13.0	1.2	5.2	5.5	1.5	11.0	3.7	3.8	4.5	5.5	4.0	19.4	10.2
Paper - Other (Magazines, Books, etc)	Lbs	7.7	4.0	6.0	0.2	8.4	0.6	1.9	1.2		1.4	1.9	19.3	3.7	3.3	3.5	0.6	3.6	3.6	1.9	0.9
Paper - Compostable	Lbs	30.5	20.1	26.8	25.3	29.4	20.5	30.2	19.0	17.5	37.4	24.6	31.0	29.6	37.4	22.5	26.0	25.4	22.5	21.3	4.0
Cardboard - Corrugated (OCC)	Lbs	4.3	19.4	15.2	9.4	1.4	0.8	0.5	1.5	5.9	10.9	9.9	11.7	2.6	5.5	45.5	7.1	6.3	3.4	6.2	8.7
Cardboard - Boxboard / Paperboard	Lbs	4.2	7.9	5.8	7.5	5.4	2.5	5.0	8.4	6.2	6.1	7.7	2.6	8.1	6.0	3.3	11.0	11.4	7.5	4.3	1.4
Cardboard - Gable Top & Aseptic	Lbs	0.6	0.1	1.3	2.0	0.4	9.2	1.0	0.8	0.3		0.5	0.2	0.4	0.5	0.2	0.6	0.6	0.8	0.1	0.5
Cardboard - Other	Lbs	5.7	21.5	1.1	4.3	1.0	13.4	1.6	8.2	8.0	4.8	16.7	16.2	13.4	3.6	13.1	4.8	1.7	3.6	1.8	1.5
Plastic #1 - PET	Lbs	4.1	3.5	5.1	6.7	3.8	2.5	3.3	7.6	9.9	5.2	2.4	4.1	6.7	7.8	3.8	6.3	6.4	5.3	5.0	4.2
Plastic #2 - HDPE	Lbs	1.8	3.4	5.8	2.7	2.0	1.6	4.5	5.1	4.0	2.8	2.6	7.5	3.6	4.5	0.7	1.4	2.7	2.5	2.6	0.8
Plastic #3 - PVC	Lbs				1.5		0.6			0.1	3.6	0.1	1.4								
Plastic #5 - PP	Lbs	1.1	0.2	0.9	1.4	1.3		2.6	1.9	0.7	0.5	0.3	0.4	1.0	0.7	0.9	0.9	0.8	1.6	1.5	0.2
Plastic - Bags & Stretch Film	Lbs	15.7	17.7	15.1	14.6	16.9	22.4	24.3	22.4	19.8	19.5	20.5	27.6	17.6	18.9	8.2	18.1	17.2	16.1	12.5	9.1
Plastic - Other	Lbs	30.5	26.7	21.1	18.4	16.3	14.7	14.5	17.1	24.3	14.3	15.0	9.5	8.4	15.0	14.9	9.7	14.5	17.2	20.9	33.8
Organics - Yard Waste	Lbs	0.8	1.3	0.6		3.4	0.6	2.0		12.0	0.1	2.8	1.9	1.1		85.1	1.3	5.0		0.1	0.9
Organics - Food Waste	Lbs	25.9	9.9	38.0	40.4	36.2	25.2	75.1	36.1	12.0	31.8	23.3	31.1	27.7	47.0	20.2	69.3	17.0	21.0	40.0	9.2
Organics - Other	Lbs	25.0	12.2	41.7	54.1	17.5		11.5	16.8	2.8	14.2	15.8	3.5	19.5	16.0	6.3	8.6	30.7	23.7	6.1	10.8
Textiles	Lbs	4.3	25.5	5.6	2.6	4.8	2.5	2.5	30.0	18.8	10.1	11.7	13.4	3.7	5.2	3.4	14.9	14.2	10.3	13.2	78.4
Ferrous Metal - Cans	Lbs	1.4	1.1	3.6	1.5	2.3	2.5	1.3	6.3	4.1	1.2	2.1	0.9	2.1	3.1	1.1	0.4	5.4	2.6	1.6	0.4
Ferrous Metal - Other	Lbs	1.5	2.7	3.6	2.2	1.8	0.3	0.5	2.2	8.7	1.6	1.9	2.2	1.3	0.9	0.4	0.5	3.9	1.2	4.5	3.0
Non-Ferrous Metal - UBC (Cans)	Lbs	2.4	5.2	3.0	2.0	2.5	2.5	2.5	4.5	8.2	2.8	2.1	1.8	3.4	5.0	2.0	2.5	4.8	2.4	4.7	1.5
Non-Ferrous Metal - Other	Lbs	1.3	1.4	0.7	0.6	1.1	0.4	0.1	1.1	2.2	1.1	0.2	0.4	7.9	1.5	0.5	1.4	0.8	1.5	2.2	0.5
Glass	Lbs	4.6	4.9	0.1	3.5	9.6	19.4	2.7	1.1	2.2	7.4	4.4	4.9	3.5	15.8	6.3	4.2	7.6	8.9	13.8	10.1
Inorganic Materials	Lbs	5.6	0.3	0.8	6.5	27.0				6.6	8.9	3.7	2.8	0.8	0.6	0.2	1.4	2.5	22.6	5.5	
Electronics - Regulated (Video Screens)	Lbs																		0.4		
Electronics - Non-Reg (Circuit Boards)	Lbs	0.1		4.5															0.3		0.3
Electronics - Small Appliances	Lbs	3.0	13.2		1.0	0.5		0.1		10.1	1.8		0.4	7.2		3.1	13.7	0.3	3.7		4.1
Household Hazardous Waste - General	Lbs	1.0		0.2			1.3		0.2	0.4				1.2	0.2	0.5				0.6	
Household Hazardous Waste - Batteries	Lbs	0.05	0.1	0.1				0.3	0.1	0.1	0.30		0.6	0.2	0.3			0.1	0.2	0.1	0.6
Problem Wastes (Car Seats, etc.)	Lbs																				
Special Wastes (Tires, etc.)	Lbs																				
Solid Wastes Containing Mercury	Lbs																				

Sample	Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Top Fines	Lbs	10.2	8.3	4.1	3.1	6.1	17.4	2.4	6.4	13.9	6.8	11.6	4.7	4.5	4.7	2.5	6.8	6.5	7.6	14.0	3.9
Paper	Lbs	3.6	2.9	1.6	0.9	-	-	0.4	1.3	0.7	3.4	3.5	0.2	0.7	-	0.1	6.1	-	6.5	5.6	1.0
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	2.0	5.8	0.7	-	-	-	-	-	-	-	-
Plastic	Lbs	1.5	1.7	0.8	0.6	-	-	0.1	0.3	0.7	0.7	1.2	0.2	0.2	-	-	0.3	-	0.4	1.4	0.2
Organics	Lbs	5.1	3.7	1.6	-	5.5	1.7	1.9	4.8	12.5	0.7	1.2	3.5	3.6	4.7	2.4	-	5.2	-	7.0	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	0.6	15.7	-	-	-	-	-	-	-	-	-	0.3	-	0.8	-	2.7
Inorganic Material	Lbs	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%	35%	35%	40%	30%			15%	20%	5%	50%	30%	5%	15%		5%	90%		85%	40%	25%
Cardboard	%										30%	50%	15%								
Plastic	%	15%	20%	20%	20%			5%	5%	5%	10%	10%	5%	5%		5%			5%	10%	5%
Organics	%	50%	45%	40%		90%	10%	80%	75%	90%	10%	10%	75%	80%	100%	95%		80%			50%
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
Glass	%					10%	90%										5%		10%		70%
Inorganic Material	%				50%													20%			
Solid Wastes Containing Mercury	%																				
Total	%	100%																			

Polk County Solid Waste Resource Recovery
 2019 Solid Waste Composition Study Field Sheet Data Analysis
 Incoming MSW

Sample	Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Bottom Fines	Lbs	11.9	8.0	5.8	6.0	8.8	8.1	4.1	6.7	16.0	8.0	12.1	10.5	6.3	8.2	4.7	8.6	6.8	6.8	12.5	4.1
Paper	Lbs	-	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	6.0	-	5.2	1.8	5.3	1.6	3.9	6.7	16.0	2.4	7.3	8.4	3.2	7.4	4.7	8.2	5.4	3.4	6.3	0.4
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	1.6	-	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5
Inorganic Material	Lbs	6.0	2.4	0.6	4.2	3.5	-	0.2	-	-	5.6	4.8	2.1	3.2	0.8	-	0.4	1.4	3.4	6.3	0.2
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%		50%																		
Cardboard	%																				
Plastic	%																				
Organics	%	50%		90%	30%	60%	20%	95%	100%	100%	30%	60%	80%	50%	90%	100%	95%	80%	50%	50%	10%
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
Glass	%		20%				80%														85%
Inorganic Material	%	50%	30%	10%	70%	40%		5%			70%	40%	20%	50%	10%		5%	20%	50%	50%	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	Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Non-Separable #1	Lbs																	3.5			
Paper	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-
Organics	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%																				
Cardboard	%																				
Plastic	%																				10%
Organics	%																				90%
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
Glass	%																				
Inorganic Material	%																				
Solid Wastes Containing Mercury	%																				
Total	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%

Polk County Solid Waste Resource Recovery
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Service Area																						
Sample	Units	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Fraction																						
Paper - Newsprint (ONP)	Lbs	1.0	4.0	1.1	1.0	3.9	1.8	0.5	3.0	3.2	3.3	3.9	2.0	1.5	8.1	0.1	2.7	0.3	0.1	2.4	1.1	
Paper - Mixed Office (SOP)	Lbs	5.4	2.1	11.6	5.3	4.3	6.7	6.6	1.9	8.9	5.8	2.2	8.5	3.8	5.1	2.8	7.3	10.9	52.0	24.5	38.9	
Paper - Other (Magazines, Books, etc)	Lbs	1.3	1.9	1.4	3.9	5.0	3.5	19.6	5.2	6.9	8.3	2.1	6.8	5.1	3.1	4.6	16.1	0.3	0.3	3.7	3.4	
Paper - Compostable	Lbs	24.6	19.5	21.1	26.3	44.3	16.9	30.6	39.2	33.8	28.0	26.9	23.5	19.5	18.9	78.5	29.0	41.7	5.3	35.9	15.0	
Cardboard - Corrugated (OCC)	Lbs	5.3	5.5	0.5	7.8	2.8	13.6	22.7	1.1	2.9	0.1	1.2	1.1	24.0	9.8	3.9	2.7	8.2	7.0	9.6	6.3	
Cardboard - Boxboard / Paperboard	Lbs	3.6	5.3	8.3	9.6	6.1	3.4	4.5	2.8	8.7	5.8	3.0	8.0	4.0	3.7	2.9	3.5	6.7	3.1	5.1	1.8	
Cardboard - Gable Top & Aseptic	Lbs	0.1	1.5	1.0	0.9	0.1	0.2	0.3	1.3	0.3	1.6	1.2	0.2	0.9		0.8	0.1	1.1	0.1	0.6	0.6	
Cardboard - Other	Lbs	7.7	1.1	1.1	3.4	3.8	7.1	1.1	2.3	2.6	14.2	1.1	23.7	3.8	47.0	9.3	1.9	13.4	24.0	9.4	23.0	
Plastic #1 - PET	Lbs	3.6	2.4	6.5	7.2	4.9	3.1	3.4	4.9	3.2	3.3	2.7	4.4	5.4	3.1	4.6	4.6	4.6	1.9	2.5	2.5	
Plastic #2 - HDPE	Lbs	6.4	0.7	1.9	2.3	2.4	1.1	1.1	4.4	2.9	2.8	2.4	3.7	3.3	2.8	2.1	1.0	0.8	1.1	1.8	2.2	
Plastic #3 - PVC	Lbs			0.2						0.3						4.9						
Plastic #5 - PP	Lbs	1.6	0.4	1.5	1.6	1.9	1.0	0.5	0.7	0.5	2.4	0.6	1.2	4.1	2.5	2.7	1.1	0.2	0.1	2.0	0.3	
Plastic - Bags & Stretch Film	Lbs	25.1	54.8	10.8	17.0	36.0	16.4	18.8	23.9	17.7	17.8	13.6	18.5	13.7	14.3	25.7	17.6	20.5	6.1	21.6	11.2	
Plastic - Other	Lbs	24.7	17.8	11.8	31.1	7.4	17.3	18.1	9.4	23.1	11.0	12.1	7.7	11.0	17.4	17.5	8.4	14.4	4.4	22.4	18.4	
Organics - Yard Waste	Lbs	0.4	0.1	0.4			1.5	0.1			1.0		9.5	0.4	1.9	1.6	0.2	0.5	24.9	0.2		
Organics - Food Waste	Lbs	38.0	55.5	37.3	21.3	37.9	40.2	22.3	43.2	27.0	27.1	23.2	28.1	20.4	17.4	32.7	29.1	42.0	6.2	20.3	18.3	
Organics - Other	Lbs	22.4	10.4	28.7	19.5	13.9	32.6	19.6	10.5	20.0	12.4	36.3	0.6	11.7	17.3	7.9	12.1	3.9	8.8	11.3	8.8	
Textiles	Lbs	2.5	108.4	14.8	5.8	3.2	5.8	0.6	1.7	17.0	16.1	34.6	14.0	10.9	32.2	14.2	6.9	15.7	5.7	11.7	25.8	
Ferrous Metal - Cans	Lbs	0.6	2.3	1.7	3.9	2.9	0.2	1.7	0.3	2.1	2.6	0.8	2.3	0.9	2.2	0.6		0.5	0.3	2.1	2.1	
Ferrous Metal - Other	Lbs	1.4	1.3	2.9	1.3	0.6	5.0	0.3	0.4	1.9	8.6	1.5	0.7	1.7	1.7	1.4	0.3	1.0	0.4	4.3	0.9	
Non-Ferrous Metal - UBC (Cans)	Lbs	2.6	1.2	2.6	2.6	3.0	2.6	3.3	1.3	2.5	1.7	0.6	1.6	1.9	3.3	2.1	2.3		0.6	2.0	1.5	
Non-Ferrous Metal - Other	Lbs	2.9	0.2	0.9	1.8	0.6	3.8	0.3	6.1	0.9	3.9	0.5	2.0	0.5	1.3	2.0	-	5.4	0.1	0.3	2.1	
Glass	Lbs			15.9	9.9	3.2	0.9	1.1	2.0	2.4	5.2	6.4	3.6	7.8	2.9	1.7	0.6	0.9	0.7	0.9	1.2	
Inorganic Materials	Lbs	5.7		2.1		2.0	0.9	6.0	10.5	1.0	5.2	7.9	9.3	28.5	8.1		0.7	5.7	0.1	4.7	7.0	
Electronics - Regulated (Video Screens)	Lbs																					
Electronics - Non-Reg (Circuit Boards)	Lbs				3.4	0.1					0.3				0.4							
Electronics - Small Appliances	Lbs	11.5	3.6	18.3	14.5	0.4			1.0	0.9	0.5	0.1	8.2		4.4		0.2				0.3	
Household Hazardous Waste - General	Lbs		0.8		0.1					1.0				2.1	1.1						0.1	
Household Hazardous Waste - Batteries	Lbs	0.05	0.1	0.4	0.05	0.05				0.2		3.5	0.10		0.1	0.2					0.2	
Problem Wastes (Car Seats, etc.)	Lbs																					
Special Wastes (Tires, etc.)	Lbs																					
Solid Wastes Containing Mercury	Lbs																					

Sample	Units	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Top Fines	Lbs	2.8	2.2	3.4	8.8	6.7	8.3	9.6	3.2	5.9	12.3	6.1	5.7	6.2	3.4	6.0	1.5	4.9	2.0	3.2	3.6
Paper	Lbs	0.8	1.9	0.5	1.8	0.3	0.4	1.0	0.2	3.0	8.0	1.8	2.3	1.6	0.3	0.3	0.2	4.2	2.0	1.9	0.2
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	0.6	0.1	0.2	0.4	0.3	0.4	0.5	0.2	0.3	3.7	-	1.1	0.9	0.2	0.3	-	0.2	-	-	-
Organics	Lbs	1.4	0.2	2.7	-	-	7.5	7.7	2.9	1.8	0.6	3.7	2.3	3.7	2.9	5.4	1.4	-	-	1.3	3.4
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	6.6	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	-	-	-	-	-	-	0.5	-	-	-	0.6	-	-	-	-	-	0.5	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%	30%	85%	15%	20%	5%	5%	10%	5%	50%	65%	30%	40%	25%	10%	5%	10%	85%	100%	60%	5%
Cardboard	%																				
Plastic	%	20%	5%	5%	5%	5%	5%	5%	5%	5%	30%		20%	15%	5%	5%		5%			
Organics	%	50%	10%	80%			90%	80%	90%	30%	5%	60%	40%	60%	85%	90%				40%	95%
Ferrous Metal - Other	%									15%											
Non-Ferrous Metal - Other	%																				
Glass	%				75%	90%															
Inorganic Material	%							5%				10%							10%		
Solid Wastes Containing Mercury	%																				
Total	%	100%																			

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Sample	Units	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Bottom Fines	Lbs	7.0	4.8	5.4	8.5	9.3	12.7	10.5	6.1	7.1	11.1	5.9	6.5	12.2	5.5	6.2	2.7	6.7	3.8	5.6	4.8
Paper	Lbs	-	-	-	-	-	-	-	-	-	5.6	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	3.5	2.9	5.4	6.8	4.7	11.4	9.5	5.8	6.4	-	5.6	3.3	6.1	4.4	6.2	2.7	6.0	2.3	2.8	4.8
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	3.5	1.9	-	1.7	4.7	1.3	1.1	0.3	0.7	5.6	0.3	3.3	6.1	1.1	-	-	0.7	1.5	2.8	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%										50%										
Cardboard	%																				
Plastic	%																				
Organics	%	50%	60%	100%	80%	50%	90%	90%	95%	90%		95%	50%	50%	80%	100%	100%	90%	60%	50%	100%
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
Glass	%																				
Inorganic Material	%	50%	40%		20%	50%	10%	10%	5%	10%	50%	5%	50%	50%	20%			10%	40%	50%	
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	Units	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Non-Separable #1	Lbs								5.3	2.2						37.4					
Paper	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	4.8	0.4	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	1.9	-	-	-	-	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	35.5	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%																				
Cardboard	%																				
Plastic	%								90%	20%											
Organics	%								10%							5%					
Ferrous Metal - Other	%									80%						95%					
Non-Ferrous Metal - Other	%																				
Glass	%																				
Inorganic Material	%																				
Solid Wastes Containing Mercury	%																				
Total	%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%

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Service Area	Units	Item Subtotal	Wt % of Total	Wt % Primary Fraction			
Fraction							
Paper - Newsprint (ONP)	Lbs	109.2	1.3%	Paper	1,734.2		
Paper - Mixed Office (SOP)	Lbs	369.3	4.3%				
Paper - Other (Magazines, Books, etc)	Lbs	176.2	2.1%				
Paper - Compostable	Lbs	1,079.5	12.6%				
Cardboard - Corrugated (OCC)	Lbs	312.3	3.6%				
Cardboard - Boxboard / Paperboard	Lbs	222.2	2.6%				
Cardboard - Gable Top & Aseptic	Lbs	33.0	0.4%				
Cardboard - Other	Lbs	347.0	4.1%				
Plastic #1 - PET	Lbs	182.5	2.1%			Cardboard	914.5
Plastic #2 - HDPE	Lbs	109.8	1.3%				
Plastic #3 - PVC	Lbs	12.7	0.1%				
Plastic #5 - PP	Lbs	45.8	0.5%				
Plastic - Bags & Stretch Film	Lbs	755.3	8.8%				
Plastic - Other	Lbs	662.2	7.7%				
Organics - Yard Waste	Lbs	161.7	1.9%				
Organics - Food Waste	Lbs	1,223.9	14.3%				
Organics - Other	Lbs	645.5	7.5%	Plastic	1,768.3		
Textiles	Lbs	622.7	7.3%				
Ferrous Metal - Cans	Lbs	75.1	0.9%				
Ferrous Metal - Other	Lbs	82.5	1.0%				
Non-Ferrous Metal - UBC (Cans)	Lbs	105.1	1.2%				
Non-Ferrous Metal - Other	Lbs	62.5	0.7%				
Glass	Lbs	202.3	2.4%				
Inorganic Materials	Lbs	201.2	2.4%				
Electronics - Regulated (Video Screens)	Lbs	0.4	0.0%				
Electronics - Non-Reg (Circuit Boards)	Lbs	9.4	0.1%				
Electronics - Small Appliances	Lbs	126.1	1.5%	Organics	2,031.1		
Household Hazardous Waste - General	Lbs	10.8	0.1%				
Household Hazardous Waste - Batteries	Lbs	8.1	0.1%				
Problem Wastes (Car Seats, etc.)	Lbs	-	0.0%				
Special Wastes (Tires, etc.)	Lbs	-	0.0%				
Solid Wastes Containing Mercury	Lbs	-	0.0%				
						Textiles	622.7
				Various	883.5		

Fraction	Samples	Top Fines	Bottom Fines	Non-Separables	Total	Wt% Total
Paper - Newsprint (ONP)	109.2				109.2	1.3%
Paper - Mixed Office (SOP)	369.3				369.3	4.3%
Paper - Other (Magazines, Books, etc)	176.2				176.2	2.1%
Paper - Compostable	1,079.5	71.0	9.6	-	1,160.0	13.6%
Cardboard - Corrugated (OCC)	312.3				312.3	3.6%
Cardboard - Boxboard / Paperboard	222.2				222.2	2.6%
Cardboard - Gable Top & Aseptic	33.0				33.0	0.4%
Cardboard - Other	347.0	8.5	-	-	355.5	4.2%
Plastic #1 - PET	182.5				182.5	2.1%
Plastic #2 - HDPE	109.8				109.8	1.3%
Plastic #3 - PVC	12.7				12.7	0.1%
Plastic #5 - PP	45.8				45.8	0.5%
Plastic - Bags & Stretch Film	755.3				755.3	8.8%
Plastic - Other	662.2	19.8	-	5.6	687.6	8.0%
Organics - Yard Waste	161.7				161.7	1.9%
Organics - Food Waste	1,223.9				1,223.9	14.3%
Organics - Other	645.5	113.9	203.9	5.6	968.9	11.3%
Textiles	622.7				622.7	7.3%
Ferrous Metal - Cans	75.1				75.1	0.9%
Ferrous Metal - Other	82.5	0.9	-	37.3	120.7	1.4%
Non-Ferrous Metal - UBC (Cans)	105.1				105.1	1.2%
Non-Ferrous Metal - Other	62.5	-	-	-	62.5	0.7%
Glass	202.3	32.7	11.6	-	246.6	2.9%
Inorganic Materials	201.2	4.4	81.4	-	287.0	3.4%
Electronics - Regulated (Video Screens)	0.4				0.4	0.0%
Electronics - Non-Reg (Circuit Boards)	9.4				9.4	0.1%
Electronics - Small Appliances	126.1				126.1	1.5%
Household Hazardous Waste - General	10.8				10.8	0.1%
Household Hazardous Waste - Batteries	8.1				8.1	0.1%
Problem Wastes (Car Seats, etc.)	-				-	0.0%
Special Wastes (Tires, etc.)	-				-	0.0%
Solid Wastes Containing Mercury	-				-	0.0%
Total	7,954.3	251.3	306.4	48.4	8,560.4	100.0%

Sample	Units	Item Subtotal	Wt % of Total		
Top Fines	Lbs	251.3	2.9%		
Paper	Lbs	71.0	0.8%	Combinables	Paper
Cardboard	Lbs	8.5	0.1%		Cardboard
Plastic	Lbs	19.8	0.2%		Plastic
Organics	Lbs	113.9	1.3%		Organics
Ferrous Metal - Other	Lbs	0.9	0.0%	Non-Combinables	Various
Non-Ferrous Metal - Other	Lbs	-	0.0%		
Glass	Lbs	32.7	0.4%		
Inorganic Material	Lbs	4.4	0.1%		
Solid Wastes Containing Mercury	Lbs	-	0.0%		
Paper	%				
Cardboard	%				
Plastic	%				
Organics	%				
Ferrous Metal - Other	%				
Non-Ferrous Metal - Other	%				
Glass	%				
Inorganic Material	%				
Solid Wastes Containing Mercury	%				
Total	%				

Total Combinables		Wt % Total	Wt % Combinables
Item	Lbs		
Paper	1,814.7	21.2%	24.2%
Cardboard	923.0	10.8%	12.3%
Plastic	1,793.7	21.0%	23.9%
Organics	2,354.5	27.5%	31.4%
Textiles	622.7	7.3%	8.3%
Total Combinables	7,508.6	87.7%	100.0%

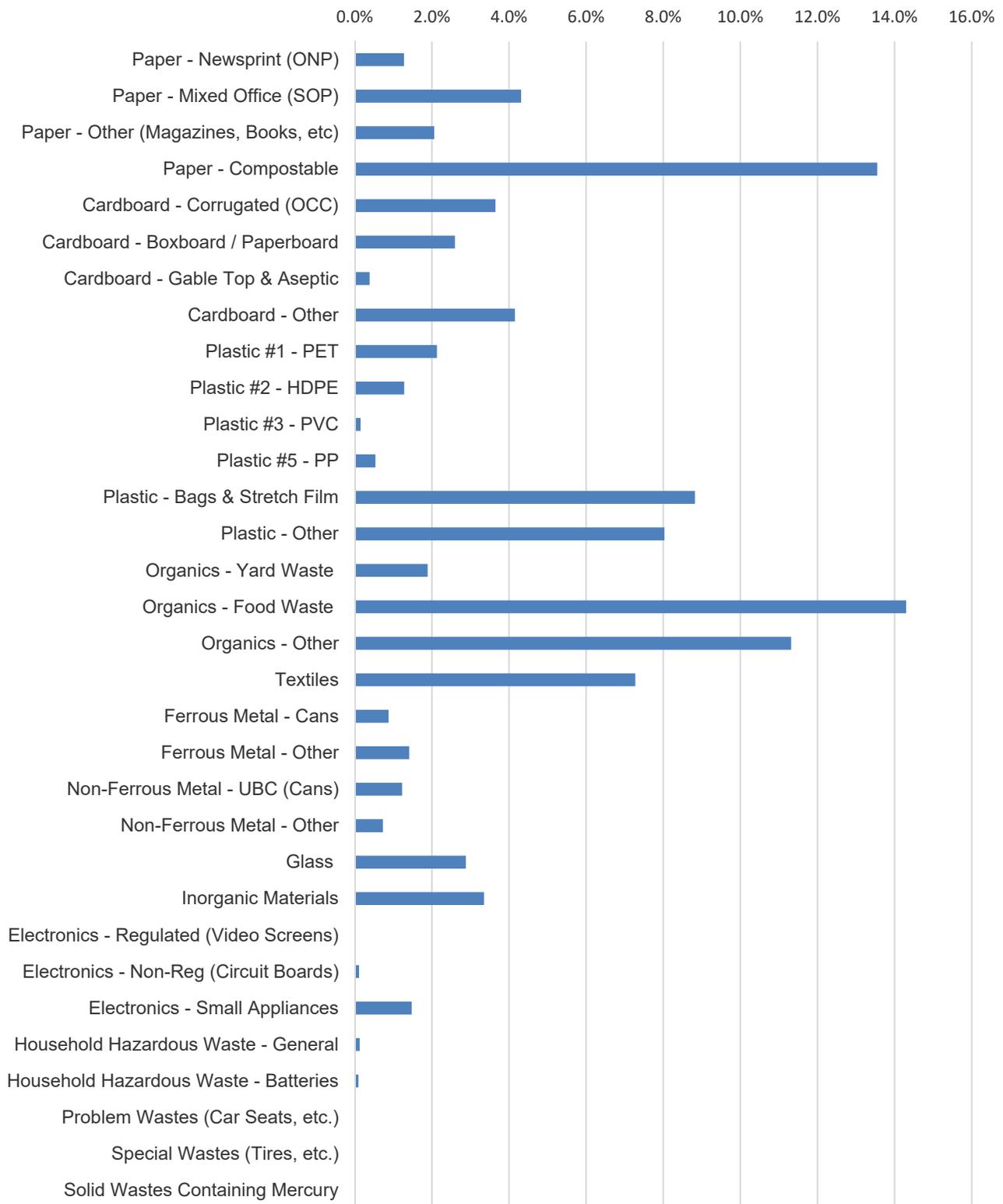
Total Non-Combinables		Wt % Total
Various	1,051.8	12.3%
		100.0%

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Sample	Units	Item Subtotal	Wt % of Total			
Bottom Fines	Lbs	306.4	3.6%			
Paper	Lbs	9.6	0.1%	Combustibles	Paper	9.6
Cardboard	Lbs	-	0.0%		Cardboard	-
Plastic	Lbs	-	0.0%		Plastic	-
Organics	Lbs	203.9	2.4%		Organics	203.9
Ferrous Metal - Other	Lbs	-	0.0%	Non-Combustibles		
Non-Ferrous Metal - Other	Lbs	-	0.0%			
Glass	Lbs	11.6	0.1%			
Inorganic Material	Lbs	81.4	1.0%			
Solid Wastes Containing Mercury	Lbs	-	0.0%		Various	93.0
Paper	%					
Cardboard	%					
Plastic	%					
Organics	%					
Ferrous Metal - Other	%					
Non-Ferrous Metal - Other	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%					

Sample	Units	Item Subtotal	Wt % of Total			
Non-Separable #1	Lbs	48.4	0.6%			
Paper	Lbs	-	0.0%	Combustibles	Paper	-
Cardboard	Lbs	-	0.0%		Cardboard	-
Plastic	Lbs	5.6	0.1%		Plastic	5.6
Organics	Lbs	5.6	0.1%		Organics	5.6
Ferrous Metal - Other	Lbs	37.3	0.4%	Non-Combustibles		
Non-Ferrous Metal - Other	Lbs	-	0.0%			
Glass	Lbs	-	0.0%			
Inorganic Material	Lbs	-	0.0%			
Solid Wastes Containing Mercury	Lbs	-	0.0%		Various	37.3
Paper	%					
Cardboard	%					
Plastic	%					
Organics	%					
Ferrous Metal - Other	%					
Non-Ferrous Metal - Other	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%		100.0%	Total Lbs.	8,560.4	

Fraction Wt% - Incoming MSW



Appendix B

MVTL Analytical Results Incoming MSW



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2 North German St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 2 of 4

Sample Number: 19-M1247

Report Date: 7/12/19

Jon Steiner
Polk County Solid Waste Plant
PO Box 179
Fosston MN 56542-0179

Work Order #: 81-0572
P.O. #: Inc(I)
Date Collected: 6/27/19 12:00
Date Received: 6/28/19

Sample Description: Composite #2
Sample Site: Solid Waste

Table with columns: ANALYTE, * PROXIMATE *, AS RECEIVED, DRY BASIS. Rows include Total Moisture, Ash, Volatile Matter, Fixed Carbon, BTU/lb, Total Sulfur.

Table with columns: ANALYTE, * ULTIMATE *, AS RECEIVED, DRY BASIS. Rows include Total Moisture, Ash, Carbon, Hydrogen, Nitrogen, Total Sulfur, Oxygen by Difference, Chlorine.

Table with columns: ANALYTE, * SULFUR FORMS *, AS RECEIVED, DRY BASIS. Row includes Total Sulfur.

Table with columns: ANALYTE, * ASH FUSION *, REDUCING, OXIDIZING.

Table with columns: ANALYTE, * MINERAL ANALYSIS OF ASH *, DRY BASIS.

Table with columns: ANALYTE, * MISCELLANEOUS *, 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 Estensen Environmental. The combined homogenized waste was riffled into four separate samples for analysis.

Approved by: [Signature] SL



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2 North German St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 3 of 4

Sample Number: 19-M1248

Report Date: 7/12/19

Jon Steiner
Polk County Solid Waste Plant
PO Box 179
Fosston MN 56542-0179

Work Order #: 81-0572
P.O. #: Inc(I)
Date Collected: 6/27/19 12:00
Date Received: 6/28/19

Sample Description: Composite #3
Sample Site: Solid Waste

Table with columns: ANALYTE, * PROXIMATE *, AS RECEIVED, DRY BASIS. Rows include Total Moisture, Ash, Volatile Matter, Fixed Carbon, BTU/lb, Total Sulfur.

Table with columns: ANALYTE, * ULTIMATE *, AS RECEIVED, DRY BASIS. Rows include Total Moisture, Ash, Carbon, Hydrogen, Nitrogen, Total Sulfur, Oxygen by Difference, Chlorine.

Table with columns: ANALYTE, * SULFUR FORMS *, AS RECEIVED, DRY BASIS. Row includes Total Sulfur.

Table with columns: ANALYTE, * ASH FUSION *, REDUCING, OXIDIZING.

Table with columns: ANALYTE, * MINERAL ANALYSIS OF ASH *, DRY BASIS.

Table with columns: ANALYTE, * MISCELLANEOUS *, 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 Estensen Environmental. The combined homogenized waste was riffled into four separate samples for analysis.

Approved by: [Signature] 57



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2 North German St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 4 of 4

Sample Number: 19-M1249

Report Date: 7/12/19

Jon Steiner
Polk County Solid Waste Plant
PO Box 179
Fosston MN 56542-0179

Work Order #: 81-0572
P.O. #: Inc(I)
Date Collected: 6/27/19 12:00
Date Received: 6/28/19

Sample Description: Composite #4
Sample Site: Solid Waste

ANALYTE	* PROXIMATE *		DRY BASIS	
	AS RECEIVED			
Total Moisture	37.23	wt. %		
Ash	4.42	wt. %	7.04	wt. %
Volatile Matter	54.74	wt. %	87.21	wt. %
Fixed Carbon	3.61	wt. %	5.75	wt. %
BTU/lb	5323	BTU/lb	8480	BTU/lb
Total Sulfur	0.06	wt. %	0.10	wt. %

ANALYTE	* ULTIMATE *		DRY BASIS	
	AS RECEIVED			
Total Moisture	37.23	wt. %		
Ash	4.42	wt. %	7.04	wt. %
Carbon	31.94	wt. %	50.88	wt. %
Hydrogen	8.45	wt. %	6.83	wt. %
Nitrogen	0.33	wt. %	0.53	wt. %
Total Sulfur	0.06	wt. %	0.10	wt. %
Oxygen by Difference	54.80	wt. %	34.63	wt. %
Chlorine	7060	ug/g	11200	ug/g

ANALYTE	* SULFUR FORMS *		DRY BASIS	
	AS RECEIVED			
Total Sulfur	0.06	wt. %	0.10	wt. %

ANALYTE	* ASH FUSION *	
	REDUCING	OXIDIZING

ANALYTE	* MINERAL ANALYSIS OF ASH *	
		DRY BASIS

ANALYTE	* MISCELLANEOUS *	
	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 Estensen Environmental. The combined homogenized waste was riffled into four separate samples for analysis.



Approved by: Stacy Landa SL



Minnesota Valley Testing Laboratories, Inc.
 2616 East Broadway Avenue
 Bismarck, ND 58501

Chain of Custody Record

Page 1 of 1

Phone: (701) 258-9720

Form # 10-90008-0

Work Order # 81-0572

Toll Free: (800) 279-6885

Fax: (701) 258-9724

Company Name and Address: <u>Polk County Solid Waste Resource Recovery</u> <u>708 8th Street NW</u> <u>Fosston, MN 56542</u>			Account #:	6419	Email:			
			Phone #:	(218) 435-6501	jon.steiner@co.polk.mn.us			
			Contact (Report to):		destensen@gmail.com			
			Jon Steiner					
			Name of Samplers:					
			Todd Rue					
Billing Address (indicate if different from above):			Quote Number	JD052419-01	Date Submitted:	6/27/2019		
			Project Name/Number:		Purchase Order #:			
			2019 SWCS					
Transferred by:		Date:	Time:	Sample Condition:	Received by:	Date:	Time:	Temp:
1.					<i>[Signature]</i>	28 Jun 2019	1032	Ambient
2.								

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

Sample Information

Lab Use Only Lab Number	Sample ID	Sample Type	Date Sampled	Time Sampled	Analysis
M1246	Paper	Solid Waste	6/27/2019	12:00 p.m.	Proximate, Ultimate, Chlorine
M1247	Cardboard	Solid Waste	6/27/2019	12:00 p.m.	Proximate, Ultimate, Chlorine
M1248	Plastic	Solid Waste	6/27/2019	12:00 p.m.	Proximate, Ultimate, Chlorine
M1249	Organic	Solid Waste	6/27/2019	12:00 p.m.	Proximate, Ultimate, Chlorine
M1250	Textile	Solid Waste	6/27/2019	12:00 p.m.	Proximate, Ultimate, Chlorine

Enclosed are your containers for your sampling event. Completely fill and label containers appropriately for the analyses to be conducted. Complete chain of custody and submit with samples. For questions regarding individual parameter holding times, chemical and thermal preservation and sample volumes please refer to our sample preservation guide on our website at www.mvtl.com or by contacting customer service at 1-800-782-3557. If samples show signs of contamination, inadequate preservation or are in any way compromised you will be contacted as to whether to proceed with analysis or submit a new sample.

Please submit the top two copies with your samples. We will return the completed original with your results.

Appendix C

Proximate Analysis, Ultimate Analysis, and Heating Value Calculations Incoming MSW

Polk County Solid Waste Resource Recovery

2019 Solid Waste Composition Study Results Incoming MSW

Total Combustibles

Item	Lbs	wt%
Paper	1,814.7	21.2%
Cardboard	923.0	10.8%
Plastic	1,793.7	21.0%
Organics	2,354.5	27.5%
Textiles	622.7	7.3%
Total	7,508.6	87.7%

Total Non-Combustibles

Item	Lbs	wt%
Total	1,051.8	12.3%

Total	8,560.4	100.0%
--------------	----------------	---------------

Proximate Analysis (Combustible Fractions Only - As Received Basis)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	37.12%	37.55%	37.32%	37.23%	37.31%
Ash	wt%	4.28%	4.55%	4.25%	4.42%	4.38%
Volatile Matter	wt%	54.89%	54.23%	54.36%	54.74%	54.56%
Total Sulfur ¹	wt%	0.06%	0.07%	0.06%	0.06%	0.06%
Fixed Carbon (by difference) ²	wt%	3.65%	3.60%	4.01%	3.55%	3.70%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Heating Value	Btu/lb.	6,158	5,598	5,143	5,323	5,556
----------------------	----------------	--------------	--------------	--------------	--------------	--------------

Ultimate Analysis (Combustible Fractions Only - As Received Basis)

Analyte	Units	Sample 1	Sample 2	Sample 3	Sample 4	Average
Total Moisture	wt%	37.12%	37.55%	37.32%	37.23%	37.31%
Ash ³	wt%	4.28%	4.55%	4.25%	4.42%	4.38%
Carbon	wt%	30.84%	32.26%	32.43%	31.94%	31.87%
Hydrogen	wt%	8.24%	8.51%	8.49%	8.45%	8.42%
Nitrogen	wt%	0.30%	0.31%	0.29%	0.33%	0.31%
Total Sulfur	wt%	0.06%	0.07%	0.06%	0.06%	0.06%
Chlorine	wt%	0.86%	1.11%	1.47%	0.71%	1.04%
Oxygen (by difference) ⁴	wt%	55.42%	53.19%	53.01%	54.09%	53.93%
Total		100.00%	100.00%	100.00%	100.00%	100.00%

Proximate Analysis (Including Non-Combustibles)

Analyte	Result as Received (Including Non-Combustibles)
Total Moisture	32.72%
Ash	3.84%
Volatile Matter	47.85%
Total Sulfur ¹	0.05%
Fixed Carbon (by difference)	3.25%
Non-Combustibles	12.29%
Total	100.00%

Heating Value	4,873
----------------------	--------------

Ultimate Analysis (Including Non-Combustibles)

Analyte	Result as Received (Including Non-Combustibles)
Total Moisture	32.72%
Ash ³	2.41%
Carbon	17.52%
Hydrogen	4.63%
Nitrogen	0.17%
Total Sulfur	0.03%
Chlorine	0.57%
Oxygen (by difference)	29.66%
Non-Combustibles	12.29%
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 Sheet Numerical Analysis Processed MSW

Polk County Solid Waste Resource Recovery

2019 Solid Waste Composition Study Field Sheet Data Analysis

Processed MSW

Service Area																				
Sample	Units	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			
Fraction																				
Paper - Newsprint (ONP)	Lbs																			
Paper - Mixed Office (SOP)	Lbs																			
Paper - Other (Magazines, Books, etc)	Lbs																			
Paper - Compostable	Lbs	62.4	97.1	112.9	113.8	130.2	98.0	110.7	99.8	115.0	84.1	96.0	104.8	76.7	91.9	51.9	85.1			
Cardboard - Corrugated (OCC)	Lbs	18.8	10.1	9.9	11.6	3.2	11.1	6.7	4.8	2.3	14.1	6.7	5.3	5.4	1.2	14.3	3.7			
Cardboard - Boxboard / Paperboard	Lbs																			
Cardboard - Gable Top & Aseptic	Lbs																			
Cardboard - Other	Lbs																			
Plastic #1 - PET	Lbs	1.6	2.2	1.9	1.6	1.4	2.5	2.8	1.7	1.6	2.1	1.0	3.3	2.8	3.8	1.2	3.7			
Plastic #2 - HDPE	Lbs	2.2	1.5	1.2	2.7	1.2	1.8	2.2	1.2	0.4	1.3	2.0	4.3	0.9	0.6	1.2	1.6			
Plastic #3 - PVC	Lbs																			
Plastic #5 - PP	Lbs																			
Plastic - Bags & Stretch Film	Lbs																			
Plastic - Other	Lbs	46.9	39.8	29.6	42.4	31.1	45.1	39.8	29.8	41.3	64.0	48.8	17.9	48.7	44.7	71.9	51.2			
Organics - Yard Waste	Lbs																			
Organics - Food Waste	Lbs	37.2	14.8	13.2	7.0	9.4	8.8	1.7	5.7	2.3	5.7	5.2	4.1	3.2	2.7	3.7	4.0			
Organics - Other	Lbs	28.9	14.1	8.9	11.7	14.8	8.5	12.9	19.5	10.5	16.8	25.3	23.9	14.9	21.8	17.8	18.0			
Textiles	Lbs	12.3	12.4	15.3	15.2	14.6	16.3	14.9	25.2	26.4	9.7	15.0	25.4	31.4	32.3	27.4	26.3			
Ferrous Metal - Cans	Lbs	0.3	0.7	0.2	0.4	1.2	0.1	0.4	0.4	0.3	1.7	0.7	1.1	0.7	1.9	0.2	0.9			
Ferrous Metal - Other	Lbs	0.1	1.1	0.5	2.9	2.0	2.2	1.8	3.3	2.1	1.1		2.6	2.5	1.8	3.0	3.2			
Non-Ferrous Metal - UBC (Cans)	Lbs	1.7	2.3	1.7	2.2	1.6	1.4	1.6	2.0	1.6	1.5	0.9	1.1	1.9	1.1	1.1	1.7			
Non-Ferrous Metal - Other	Lbs	0.5										5.4								
Glass	Lbs	1.7	0.8	0.1	0.3	0.2	0.2	0.3		0.2		0.1		0.2	0.5	1.5	0.1			
Inorganic Materials	Lbs	1.9	0.7	0.5	0.6	0.9	0.7	0.4	1.1	0.9	0.4	0.8	1.3	1.2	1.5	1.8	1.8			
Electronics - Regulated (Video Screens)	Lbs												0.1							
Electronics - Non-Reg (Circuit Boards)	Lbs																			
Electronics - Small Appliances	Lbs	2.1		1.0				1.9		3.7					0.7		0.7			
Household Hazardous Waste - General	Lbs				0.4															
Household Hazardous Waste - Batteries	Lbs												0.1	0.05			0.2			
Problem Wastes (Car Seats, etc.)	Lbs																			
Special Wastes (Tires, etc.)	Lbs																			
Solid Wastes Containing Mercury	Lbs																			

Sample	Units	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			
Top Fines	Lbs	6.4	7.5	2.0	3.5	2.8	6.1	10.5	9.8	6.9	7.7	5.5	6.8	14.5	6.7	4.8	7.2			
Paper	Lbs	5.1	6.0	1.6	2.8	2.2	4.9	8.4	7.8	5.5	6.2	4.4	5.4	11.6	5.4	3.8	5.8	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	1.3	1.5	0.4	0.7	0.6	1.2	2.1	2.0	1.4	1.5	1.1	1.4	2.9	1.3	1.0	1.4	-	-	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%			
Cardboard	%																			
Plastic	%																			
Organics	%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%			
Ferrous Metal - Other	%																			
Non-Ferrous Metal - Other	%																			
Glass	%																			
Inorganic Material	%																			
Solid Wastes Containing Mercury	%																			
Total	%	100%	0%	0%	0%															

Polk County Solid Waste Resource Recovery
 2019 Solid Waste Composition Study Field Sheet Data Analysis
 Processed MSW

Sample	Units	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
Bottom Fines	Lbs	2.9	2.5	1.7	2.4	2.3	2.6	2.4	2.7	2.1	2.2	2.5	1.8	3.6	4.0	2.4	3.3				
Paper	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	2.3	2.0	1.4	1.9	1.8	2.1	1.9	2.2	1.7	1.8	2.0	1.4	2.9	3.2	1.9	2.6	-	-	-	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	0.6	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.7	0.8	0.5	0.7	-	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%																				
Cardboard	%																				
Plastic	%																				
Organics	%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%				
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
Glass	%																				
Inorganic Material	%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%				
Solid Wastes Containing Mercury	%																				
Total	%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%

Sample	Units	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
Non-Separable #1	Lbs																				
Paper	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plastic	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organics	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Ferrous Metal - Other	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glass	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Material	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid Wastes Containing Mercury	Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paper	%																				
Cardboard	%																				
Plastic	%																				
Organics	%																				
Ferrous Metal - Other	%																				
Non-Ferrous Metal - Other	%																				
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%

Polk County Solid Waste Resource Recovery
 2019 Solid Waste Composition Study Field Sheet Data Analysis
 Processed MSW

Service Area	Units	Item Subtotal	Wt % of Total	Wt % Primary Fraction	
Sample	Units	Item Subtotal	Wt % of Total		
Fraction					
Paper - Newsprint (ONP)	Lbs	-	0.0%		0.0%
Paper - Mixed Office (SOP)	Lbs	-	0.0%		0.0%
Paper - Other (Magazines, Books, etc)	Lbs	-	0.0%		0.0%
Paper - Compostable	Lbs	1,530.4	45.2%	Paper	1,530.4
Cardboard - Corrugated (OCC)	Lbs	129.2	3.8%		100.0%
Cardboard - Boxboard / Paperboard	Lbs	-	0.0%		0.0%
Cardboard - Gable Top & Aseptic	Lbs	-	0.0%		0.0%
Cardboard - Other	Lbs	-	0.0%	Cardboard	129.2
Plastic #1 - PET	Lbs	35.2	1.0%		4.7%
Plastic #2 - HDPE	Lbs	26.3	0.8%		3.5%
Plastic #3 - PVC	Lbs	-	0.0%		0.0%
Plastic #5 - PP	Lbs	-	0.0%		0.0%
Plastic - Bags & Stretch Film	Lbs	-	0.0%		0.0%
Plastic - Other	Lbs	693.0	20.5%	Plastic	754.5
Organics - Yard Waste	Lbs	-	0.0%		0.0%
Organics - Food Waste	Lbs	128.7	3.8%		32.4%
Organics - Other	Lbs	268.5	7.9%	Organics	397.2
Textiles	Lbs	320.1	9.4%	Textiles	320.1
Ferrous Metal - Cans	Lbs	11.2	0.3%		0.0%
Ferrous Metal - Other	Lbs	30.2	0.9%		0.0%
Non-Ferrous Metal - UBC (Cans)	Lbs	25.4	0.7%		0.0%
Non-Ferrous Metal - Other	Lbs	5.9	0.2%		0.0%
Glass	Lbs	6.2	0.2%		0.0%
Inorganic Materials	Lbs	16.3	0.5%		8.3%
Electronics - Regulated (Video Screens)	Lbs	0.1	0.0%		0.1%
Electronics - Non-Reg (Circuit Boards)	Lbs	-	0.0%		-
Electronics - Small Appliances	Lbs	10.1	0.3%		10.1%
Household Hazardous Waste - General	Lbs	0.4	0.0%		0.4%
Household Hazardous Waste - Batteries	Lbs	0.4	0.0%		0.4%
Problem Wastes (Car Seats, etc.)	Lbs	-	0.0%		-
Special Wastes (Tires, etc.)	Lbs	-	0.0%		-
Solid Wastes Containing Mercury	Lbs	-	0.0%		-
				Various	106.2

Fraction	Samples	Top Fines	Bottom Fines	Non-Separables	Total	Wt% Total
Paper - Newsprint (ONP)	-				-	0.0%
Paper - Mixed Office (SOP)	-				-	0.0%
Paper - Other (Magazines, Books, etc)	-				-	0.0%
Paper - Compostable	1,530.4	87.0	-	-	1,617.4	47.7%
Cardboard - Corrugated (OCC)	129.2				129.2	3.8%
Cardboard - Boxboard / Paperboard	-				-	0.0%
Cardboard - Gable Top & Aseptic	-				-	0.0%
Cardboard - Other	-	-	-	-	-	0.0%
Plastic #1 - PET	35.2				35.2	1.0%
Plastic #2 - HDPE	26.3				26.3	0.8%
Plastic #3 - PVC	-				-	0.0%
Plastic #5 - PP	-				-	0.0%
Plastic - Bags & Stretch Film	-				-	0.0%
Plastic - Other	693.0	-	-	-	693.0	20.5%
Organics - Yard Waste	-				-	0.0%
Organics - Food Waste	128.7				128.7	3.8%
Organics - Other	268.5	21.7	33.1	-	323.3	9.5%
Textiles	320.1				320.1	9.4%
Ferrous Metal - Cans	11.2				11.2	0.3%
Ferrous Metal - Other	30.2	-	-	-	30.2	0.9%
Non-Ferrous Metal - UBC (Cans)	25.4				25.4	0.7%
Non-Ferrous Metal - Other	5.9	-	-	-	5.9	0.2%
Glass	6.2	-	-	-	6.2	0.2%
Inorganic Materials	16.3	-	8.3	-	24.6	0.7%
Electronics - Regulated (Video Screens)	0.1				0.1	0.0%
Electronics - Non-Reg (Circuit Boards)	-				-	0.0%
Electronics - Small Appliances	10.1				10.1	0.3%
Household Hazardous Waste - General	0.4				0.4	0.0%
Household Hazardous Waste - Batteries	0.4				0.4	0.0%
Problem Wastes (Car Seats, etc.)	-				-	0.0%
Special Wastes (Tires, etc.)	-				-	0.0%
Solid Wastes Containing Mercury	-	-	-	-	-	0.0%
Total	3,237.6	108.7	41.4	-	3,387.7	100.0%

Sample	Units	Item Subtotal	Wt % of Total		
Top Fines	Lbs	108.7	3.2%		
Paper	Lbs	87.0	2.6%	Combusitbles	Paper
Cardboard	Lbs	-	0.0%		Cardboard
Plastic	Lbs	-	0.0%		Plastic
Organics	Lbs	21.7	0.6%		Organics
Ferrous Metal - Other	Lbs	-	0.0%		
Non-Ferrous Metal - Other	Lbs	-	0.0%		
Glass	Lbs	-	0.0%		
Inorganic Material	Lbs	-	0.0%		
Solid Wastes Containing Mercury	Lbs	-	0.0%	Non-Combusitbles	Various
Paper	%				
Cardboard	%				
Plastic	%				
Organics	%				
Ferrous Metal - Other	%				
Non-Ferrous Metal - Other	%				
Glass	%				
Inorganic Material	%				
Solid Wastes Containing Mercury	%				
Total	%				

Total Combusitbles		Wt % Total	Wt % Combusitbles
Item	Lbs		
Paper	1,617.4	47.7%	49.4%
Cardboard	129.2	3.8%	3.9%
Plastic	754.5	22.3%	23.1%
Organics	452.0	13.3%	13.8%
Textiles	320.1	9.4%	9.8%
Total Combusitbles	3,273.2	96.6%	100.0%

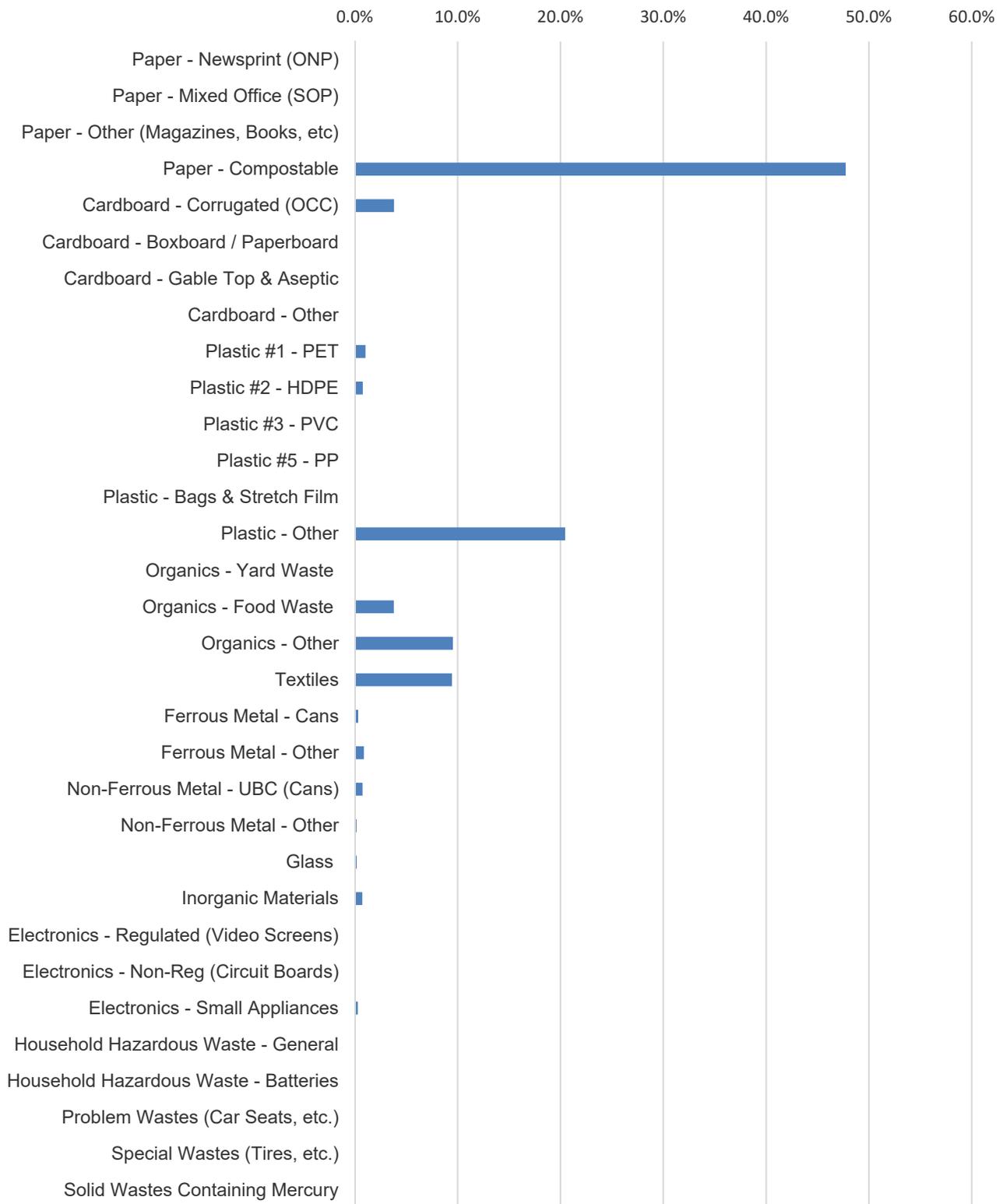
Total Non-Combusitbles		Wt % Total
Item	Lbs	
Various	114.5	3.4%
Total		100.0%

Polk County Solid Waste Resource Recovery
 2019 Solid Waste Composition Study Field Sheet Data Analysis
 Processed MSW

Sample	Units	Item Subtotal	Wt % of Total			
Bottom Fines	Lbs	41.4	1.2%			
Paper	Lbs	-	0.0%	Combustibles	Paper	-
Cardboard	Lbs	-	0.0%		Cardboard	-
Plastic	Lbs	-	0.0%		Plastic	-
Organics	Lbs	33.1	1.0%		Organics	33.1
Ferrous Metal - Other	Lbs	-	0.0%	Non-Combustibles		
Non-Ferrous Metal - Other	Lbs	-	0.0%			
Glass	Lbs	-	0.0%			
Inorganic Material	Lbs	8.3	0.2%			
Solid Wastes Containing Mercury	Lbs	-	0.0%		Various	8.3
Paper	%					
Cardboard	%					
Plastic	%					
Organics	%					
Ferrous Metal - Other	%					
Non-Ferrous Metal - Other	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%					

Sample	Units	Item Subtotal	Wt % of Total			
Non-Separable #1	Lbs	0.0	0.0%			
Paper	Lbs	-	0.0%	Combustibles	Paper	-
Cardboard	Lbs	-	0.0%		Cardboard	-
Plastic	Lbs	-	0.0%		Plastic	-
Organics	Lbs	-	0.0%		Organics	-
Ferrous Metal - Other	Lbs	-	0.0%	Non-Combustibles		
Non-Ferrous Metal - Other	Lbs	-	0.0%			
Glass	Lbs	-	0.0%			
Inorganic Material	Lbs	-	0.0%			
Solid Wastes Containing Mercury	Lbs	-	0.0%		Various	-
Paper	%					
Cardboard	%					
Plastic	%					
Organics	%					
Ferrous Metal - Other	%					
Non-Ferrous Metal - Other	%					
Glass	%					
Inorganic Material	%					
Solid Wastes Containing Mercury	%					
Total	%		100.0%	Total Lbs.	3,387.7	

Fraction Wt% - Processed MSW



Appendix E

Field Data Sheets Incoming MSW

TARE Load Information Form - Fractions

JUNE 23, 2019

Fosston

GENERAL INFORMATION:		Sample #:	Date:		
		Time:	Person Recording:		
HAULER INFORMATION:		Company Name:		Truck #:	
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable	
	#	#	#	#	#
1. Paper - Newsprint (ONP)	5.7				
2. Paper - Mixed Office (SOP)	5.6				
3. Paper - Other (Magazines, Books, etc.)	5.4				
4. Paper - Compostable	15.5		%	%	%
5. Cardboard - Corrugated (OCC)	4.0 15.8				
6. Cardboard - Boxboard / Paperboard	8.5				
7. Cardboard - Cartons Gable Top & Aseptic	5.4				
8. Cardboard - Other	15.5 15.5		%	%	%
9. Plastic #1 - PET	8.6				
10. Plastic #2 - HDPE	8.5				
11. Plastic #3 - PVC	5.6				
12. Plastic #5 - PP	5.2				
13. Plastic - Bags & Stretch Film	15.6				
14. Plastic - Other	8.7		%	%	%
15. Organics - Yard Waste	5.7				
16. Organics - Food Waste	1.5				
17. Organics - Other	8.2		%	%	%
18. Textiles	8.9				
19. Ferrous Metal - Cans	5.5				
20. Ferrous Metal - Other	5.5		%	%	%
21. Non-Ferrous Metal - UBC (Cans)	5.7				
22. Non-Ferrous Metal - Other	5.3		%	%	%
23. Glass	5.3		%	%	%
24. Inorganic Material	5.7		%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

55

33) Disappears

5.4

Bellevue

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <i>1</i>	Date: <i>6/24/19</i>		
		Time: <i>6:34 AM</i>	Person Recording: <i>Judy</i>		
HAULER INFORMATION: <i>Hubbard</i>		Company Name: <i>Flender</i>		Truck #: <i>1710</i>	
TYPE OF LOAD: <i>Transfer</i>		Residential: <input checked="" type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK: <i>V</i>		Service Area: <i>Hubbard Co.</i>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <i>79880 lbs.</i>			
		Outgoing Truck Weight (#): <i>38250 lbs.</i>			
		Weight of MSW (#): <i>41660 lbs.</i>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable	
	#	#	#	#	
1. Paper - Newsprint (ONP)	<i>9.6</i>				
2. Paper - Mixed Office (SOP)	<i>8.6</i>				
3. Paper - Other (Magazines, Books, etc.)	<i>13.1</i>				
4. Paper - Compostable	<i>33.1 + 28.4</i>	<i>35 %</i>		<i>%</i>	<i>%</i>
5. Cardboard - Corrugated (OCC)	<i>20.1</i>				
6. Cardboard - Boxboard / Paperboard	<i>13.7</i>				
7. Cardboard - Cartons Gable Top & Aseptic	<i>6.0</i>				
8. Cardboard - Other	<i>21.2</i>	<i>%</i>		<i>%</i>	<i>%</i>
9. Plastic #1 - PET	<i>12.7</i>				
10. Plastic #2 - HDPE	<i>10.3</i>				
11. Plastic #3 - PVC					
12. Plastic #5 - PP	<i>6.3</i>				
13. Plastic - Bags & Stretch Film	<i>31.3</i>				
14. Plastic - Other	<i>32.3 + 15.6</i>	<i>15 %</i>		<i>%</i>	<i>%</i>
15. Organics - Yard Waste	<i>6.5</i>				
16. Organics - Food Waste	<i>14.6 + 14.3</i>				
17. Organics - Other	<i>25.9</i>	<i>50 %</i>		<i>50 %</i>	<i>%</i>
18. Textiles	<i>13.2</i>				
19. Ferrous Metal - Cans	<i>6.9</i>				
20. Ferrous Metal - Other	<i>7.0</i>	<i>%</i>		<i>%</i>	<i>%</i>
21. Non-Ferrous Metal - UBC (Cans)	<i>8.1</i>				
22. Non-Ferrous Metal - Other	<i>6.0 + 0.6</i>	<i>%</i>		<i>%</i>	<i>%</i>
23. Glass	<i>9.9</i>	<i>%</i>		<i>%</i>	<i>%</i>
24. Inorganic Material	<i>11.3</i>	<i>%</i>		<i>50 %</i>	<i>%</i>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)	<i>(0.1)</i>				
27. Electronics - Small Appliances	<i>(3.0)</i>				
28. Household Hazardous Waste - General	<i>(1.0)</i>				
29. Household Hazardous Waste - Batteries	<i>1 AA</i>				
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury		<i>%</i>		<i>%</i>	<i>%</i>

33. Diapers

12.7

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>2</u>	Date: <u>6/24/19</u>	
<i>Rear Loader</i>		Time: <u>7:04 A.M.</u>	Person Recording: <u>July</u>	
HAULER INFORMATION: Waste		Company Name: <u>Lustron</u>	Truck #: <u>004</u>	
TYPE OF LOAD: <u>MSW</u>		Residential: <input checked="" type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>	
ORIGINATION OF TRUCK: <u>Clearwater</u>		Service Area: <u>Clearwater</u>		
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>49,980#</u>		
		Outgoing Truck Weight (#): <u>34,460#</u>		
		Weight of MSW (#): <u>15,420#</u>		
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>12.3</u>			
2. Paper - Mixed Office (SOP)	<u>8.4</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>9.4</u>			
4. Paper - Compostable	<u>25.9 + 25.2</u>	<u>35%</u>	<u>50%</u>	%
5. Cardboard - Corrugated (OCC)	<u>35.2</u>			
6. Cardboard - Boxboard / Paperboard	<u>16.4</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>0.1</u>			
8. Cardboard - Other	<u>10.5</u> <u>36.5</u>	%	%	%
9. Plastic #1 - PET	<u>12.1</u>			
10. Plastic #2 - HDPE	<u>11.9</u>			
11. Plastic #3 - PVC	<u>—</u>			
12. Plastic #5 - PP	<u>5.4</u>			
13. Plastic - Bags & Stretch Film	<u>33.3</u>			
14. Plastic - Other	<u>25.1 + 6.8 + 3.5</u>	<u>20%</u>	%	%
15. Organics - Yard Waste	<u>7.0</u>			
16. Organics - Food Waste	<u>11.4 +</u>			
17. Organics - Other	<u>15.5</u>	<u>food 45%</u>	%	%
18. Textiles	<u>34.4</u>			
19. Ferrous Metal - Cans	<u>6.6</u>			
20. Ferrous Metal - Other	<u>8.2</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>10.9</u>			
22. Non-Ferrous Metal - Other	<u>6.7</u>	%	%	%
23. Glass	<u>10.2</u>	%	<u>20%</u>	%
24. Inorganic Material	<u>6.0</u>	%	<u>30%</u>	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>13.2</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	<u>2AA</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

33.0 Debris

10.3

2

Load Information Form - Fractions

3

GENERAL INFORMATION:		Sample #: <u>3</u>	Date: <u>6/24/19</u>		
		Time: <u>8:57 AM</u>	Person Recording: <u>Andy</u>		
HAULER INFORMATION:		Company Name: <u>Listrans</u>	Truck #: <u>070 1</u>		
TYPE OF LOAD:		Residential: <input checked="" type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK: <u>Clearwater</u>		Service Area: <u>Clearwater Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>50,480 #</u>			
		Outgoing Truck Weight (#): <u>36,680 #</u>			
		Weight of MSW (#): <u>13,800 #</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable	
	#	#	#	#	#
1. Paper - Newsprint (ONP)	<u>0.4</u>				
2. Paper - Mixed Office (SOP)	<u>10.9</u>				
3. Paper - Other (Magazines, Books, etc.)	<u>11.4</u>				
4. Paper - Compostable	<u>26.8 + 31.0</u>	<u>40%</u>		%	%
5. Cardboard - Corrugated (OCC)	<u>31.0</u>				
6. Cardboard - Boxboard / Paperboard	<u>14.3</u>				
7. Cardboard - Cartons Gable Top & Aseptic	<u>6.7</u>				
8. Cardboard - Other	<u>16.6</u>		%	%	%
9. Plastic #1 - PET	<u>13.7</u>				
10. Plastic #2 - HDPE	<u>14.3</u>				
11. Plastic #3 - PVC					
12. Plastic #5 - PP	<u>6.1</u>				
13. Plastic - Bags & Stretch Film	<u>30.7</u>				
14. Plastic - Other	<u>23.6 + 14.9</u>	<u>20%</u>		%	%
15. Organics - Yard Waste	<u>6.3</u>				
16. Organics - Food Waste	<u>26.3 + 14.7</u>				
17. Organics - Other	<u>9.0</u>	<u>40%</u>		<u>food 90%</u>	%
18. Textiles	<u>14.5</u>				
19. Ferrous Metal - Cans	<u>9.1</u>				
20. Ferrous Metal - Other	<u>9.1</u>		%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>8.7</u>				
22. Non-Ferrous Metal - Other	<u>6.0</u>		%	%	%
23. Glass	<u>0.1</u>		%	%	%
24. Inorganic Material	<u>6.5</u>	<u>60%</u>		<u>10%</u>	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)	<u>4.5</u>				
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General	<u>5 Sharps (Oil)</u>				
29. Household Hazardous Waste - Batteries	<u>2 AA</u>				
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

(8.0) + 32.3

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>4</u>	Date: <u>6/24/19</u>		
		Time: <u>10:17 A.M.</u>	Person Recording: <u>Ordey</u>		
HAULER INFORMATION:		Company Name: <u>Anderson</u>		Truck #: <u>166</u>	
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area: <u>Transfer Park</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,540 #</u>			
		Outgoing Truck Weight (#): <u>35,080 #</u>			
		Weight of MSW (#): <u>44,460 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>7.6</u>			
2. Paper - Mixed Office (SOP)		<u>8.8</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>0.2</u>			
4. Paper - Compostable		<u>27.3 + (13.5)</u>	<u>30 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>2.512</u>			
6. Cardboard - Boxboard / Paperboard		<u>16.0</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>7.4</u>			
8. Cardboard - Other		<u>19.8</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>15.3</u>			
10. Plastic #2 - HDPE		<u>11.2</u>			
11. Plastic #3 - PVC		<u>(1.5)</u>			
12. Plastic #5 - PP		<u>6.6</u>			
13. Plastic - Bags & Stretch Film		<u>30.2</u>			
14. Plastic - Other		<u>27.1</u>	<u>20 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste					
16. Organics - Food Waste <u>dog food</u>		<u>(14.4)</u> <u>22.9 + 6.1</u>			
17. Organics - Other		<u>9.6</u>	<u>%</u>	<u>30 %</u>	<u>%</u>
18. Textiles		<u>11.5</u>			
19. Ferrous Metal - Cans		<u>7.0</u>			
20. Ferrous Metal - Other		<u>7.7</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.7</u>			
22. Non-Ferrous Metal - Other		<u>5.9</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>8.8</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>13.2</u>	<u>50 %</u>	<u>70 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(1.0)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

4

166
35

33.04 (11.0) + (14.1) + 1.0

Load Information Form - Fractions

5

GENERAL INFORMATION:		Sample #: <u>5</u>	Date: <u>6/24/19</u>		
		Time: <u>10:32</u>	Person Recording:		
HAULER INFORMATION:		Company Name: <u>Anderson</u> Truck #: <u>075</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>Clearwater Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>49,520 #</u>			
		Outgoing Truck Weight (#): <u>39,500 #</u>			
		Weight of MSW (#): <u>10,020 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>9.1</u>			
2. Paper - Mixed Office (SOP)		<u>8.9</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>13.8</u>			
4. Paper - Compostable		<u>27.2 + 33.2</u>	%	%	%
5. Cardboard - Corrugated (OCC)		<u>19.2</u>			
6. Cardboard - Boxboard / Paperboard		<u>13.9</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>5.8</u>			
8. Cardboard - Other		<u>16.5</u>	%	%	%
9. Plastic #1 - PET		<u>12.4</u>			
10. Plastic #2 - HDPE		<u>10.5</u>			
11. Plastic #3 - PVC		<u> </u>			
12. Plastic #5 - PP		<u>6.5</u>			
13. Plastic - Bags & Stretch Film		<u>32.5</u>			
14. Plastic - Other		<u>25.0</u>	%	%	%
15. Organics - Yard Waste		<u>9.1</u>			
16. Organics - Food Waste		<u>22.8 + 16.4</u>			
17. Organics - Other		<u>11.1</u>	60% 90%	60%	%
18. Textiles		<u>13.7</u>			
19. Ferrous Metal - Cans		<u>7.8</u>			
20. Ferrous Metal - Other		<u>7.3</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.2</u>			
22. Non-Ferrous Metal - Other		<u>6.4</u>	%	%	%
23. Glass		<u>14.9</u>	10%	%	%
24. Inorganic Material <u>lots of kitty litter</u>		<u>32.7</u>	%	40%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(0.5)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

Load Information Form - Fractions

6

GENERAL INFORMATION:		Sample #: <u>6</u>	Date: <u>6/19/19</u>		
		Time: <u>11:01</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>Duchs Dantz</u>		Truck #: <u>051</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>Norman Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>64,280 #</u>			
		Outgoing Truck Weight (#): <u>41,940 #</u>			
		Weight of MSW (#): <u>22,340 #</u>			
WASTE COMP. INFORMATION: <i>WET or HEAVY FROM CHASSIS</i>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>9.7</u>			
2. Paper - Mixed Office (SOP) <u>16.6 +</u>		<u>24.6 + 19.0</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>(0.0)</u>			
4. Paper - Compostable		<u>29.3 + 22.2</u>	%	%	%
5. Cardboard - Corrugated (OCC)		<u>16.6</u>			
6. Cardboard - Boxboard / Paperboard		<u>11.0</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>(0.1) + 14.5</u>			
8. Cardboard - Other		<u>(4.8) 24.1</u>	%	%	%
9. Plastic #1 - PET		<u>11.1</u>			
10. Plastic #2 - HDPE		<u>10.1</u>			
11. Plastic #3 - PVC		<u>6.2</u>			
12. Plastic #5 - PP		<u>-</u>			
13. Plastic - Bags & Stretch Film		<u>38.0</u>			
14. Plastic - Other		<u>23.4</u>	%	%	%
15. Organics - Yard Waste		<u>6.3</u>			
16. Organics - Food Waste		<u>18.5 + 9.7</u>			
17. Organics - Other			<u>10 %</u>	<u>20 %</u>	%
18. Textiles		<u>(2.5)</u>			
19. Ferrous Metal - Cans		<u>8.0</u>			
20. Ferrous Metal - Other		<u>5.8</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.2</u>			
22. Non-Ferrous Metal - Other		<u>5.7</u>	%	%	%
23. Glass		<u>24.7</u>	<u>90 %</u>	<u>80 %</u>	%
24. Inorganic Material			%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General		<u>(1.3) oil filter</u>			
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>7</u>	Date: <u>6/24/19</u>		
	Time: <u>11:28 A.M.</u>	Person Recording: <u>Quidy</u>		
HAULER INFORMATION:	Company Name: <u>Fosston Dirt</u> Truck #: <u>0847</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>Direct Park</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>30,120 #</u>			
	Outgoing Truck Weight (#): <u>21,300 #</u>			
	Weight of MSW (#): <u>8,820 #</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>6.5</u>			
2. Paper - Mixed Office (SOP)	<u>14.8</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>7.3</u>			
4. Paper - Compostable	<u>31.2 + 30.0</u>	<u>15 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)	<u>116.3</u>			
6. Cardboard - Boxboard / Paperboard	<u>13.5</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>6.4</u>			
8. Cardboard - Other	<u>17.1</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET	<u>11.9</u>			
10. Plastic #2 - HDPE	<u>13.0</u>			
11. Plastic #3 - PVC				
12. Plastic #5 - PP	<u>7.8</u>			
13. Plastic - Bags & Stretch Film	<u>39.9</u>			
14. Plastic - Other	<u>23.2</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste	<u>7.7</u>			
16. Organics - Food Waste	<u>9.3 + 11.9</u>			
17. Organics - Other	<u>8.4</u>	<u>85 %</u>	<u>95 %</u>	<u>%</u>
18. Textiles	<u>11.4</u>			
19. Ferrous Metal - Cans	<u>6.8</u>			
20. Ferrous Metal - Other	<u>6.0</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)	<u>8.2</u>			
22. Non-Ferrous Metal - Other	<u>5.4</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass	<u>8.0</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>%</u>	<u>5 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>0.1</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	<u>0.3</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		<u>%</u>	<u>%</u>	<u>%</u>

7
Fosston

49
52.8
8.9
41.9

16.1

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>8</u>	Date: <u>6/24/19</u>		
		Time: <u>12:59 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>White Earth State</u> Truck #: <u>034</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>Mahnomen Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>53,700 #</u>			
		Outgoing Truck Weight (#): <u>35,020 #</u>			
		Weight of MSW (#): <u>18,680 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	<u>15.2</u> #	<u>15.5</u> #	#
1. Paper - Newsprint (ONP)		<u>7.2</u>			
2. Paper - Mixed Office (SOP)		<u>18.6</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>1.2</u>			
4. Paper - Compostable		<u>25.9</u> 24.1	<u>20</u> %	%	%
5. Cardboard - Corrugated (OCC)		<u>17.3</u>			
6. Cardboard - Boxboard / Paperboard		<u>16.9</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>4.2</u>			
8. Cardboard - Other		<u>23.7</u>	%	%	%
9. Plastic #1 - PET		<u>16.2</u>			
10. Plastic #2 - HDPE		<u>13.6</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>7.1</u>			
13. Plastic - Bags & Stretch Film		<u>38.0</u>			
14. Plastic - Other		<u>25.8</u>	<u>5</u> %	%	%
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>15.4 + 23.7</u>			
17. Organics - Other		<u>10.1</u>	<u>75</u> %	<u>100</u> %	%
18. Textiles		<u>18.7 + 20.2</u>			
19. Ferrous Metal - Cans		<u>11.8</u>			
20. Ferrous Metal - Other		<u>7.7</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>10.2</u>			
22. Non-Ferrous Metal - Other		<u>6.4</u>	%	%	%
23. Glass		<u>6.4</u>	%	%	%
24. Inorganic Material			%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General		<u>LED 6.2</u>			
29. Household Hazardous Waste - Batteries		<u>(P1)</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

8

ma
7000

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>9</u>	Date: <u>6/24/19</u>		
	Time: <u>1:36 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name: <u>Lindstroms</u> Truck #: <u>004</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>Clearwater Co.</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>51,040 #</u>			
	Outgoing Truck Weight (#): <u>34,340 #</u>			
	Weight of MSW (#): <u>16,700 #</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>6.6</u>			
2. Paper - Mixed Office (SOP)	<u>6.8</u>			
3. Paper - Other (Magazines, Books, etc.)				
4. Paper - Compostable	<u>22.6 + 25.9</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)	<u>21.7</u>			
6. Cardboard - Boxboard / Paperboard	<u>14.7</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>(0.3)</u>			
8. Cardboard - Other	<u>23.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET	<u>18.5</u>			
10. Plastic #2 - HDPE	<u>12.5</u>			
11. Plastic #3 - PVC	<u>(0.1)</u>			
12. Plastic #5 - PP	<u>5.9</u>			
13. Plastic - Bags & Stretch Film	25.6 <u>35.4</u>			
14. Plastic - Other	<u>25.6 + 16.1</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste	<u>17.7</u>	<u>80</u>	<u>20</u>	
16. Organics - Food Waste	<u>13.5</u>	<u>10</u>	<u>40</u>	
17. Organics - Other	<u>9.8</u>	<u>Yard 80 %</u>	<u>100 %</u>	<u>%</u>
18. Textiles	<u>27.7</u>			
19. Ferrous Metal - Cans	<u>9.6</u>			
20. Ferrous Metal - Other	<u>14.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)	<u>13.9</u>			
22. Non-Ferrous Metal - Other	<u>7.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass	<u>7.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material	<u>12.3</u>	<u>%</u>	<u>%</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>9.9</u> <u>(0.2)</u>			
28. Household Hazardous Waste - General	<u>(0.4)</u>			
29. Household Hazardous Waste - Batteries	<u>(0.1)</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		<u>%</u>	<u>%</u>	<u>%</u>

e
Clear
water

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>10</u>	Date: <u>6/24/19</u>		
	Time: <u>1:43 P.M.</u>	Person Recording: <u>[Signature]</u>		
HAULER INFORMATION:	Company Name: <u>L. Anderson</u> Truck #: <u>086 - Semi Transfer</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>Beltrami Co.</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>8.2</u>			
2. Paper - Mixed Office (SOP)	<u>10.8</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>6.8</u>			
4. Paper - Compostable	<u>32.3 + 36.1</u>	<u>50 %</u>	%	%
5. Cardboard - Corrugated (OCC)	<u>26.7</u>			
6. Cardboard - Boxboard / Paperboard	<u>14.6</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>—</u>			
8. Cardboard - Other	<u>20.3</u>	<u>20 %</u>	%	%
9. Plastic #1 - PET	<u>13.8</u>			
10. Plastic #2 - HDPE	<u>11.3</u>			
11. Plastic #3 - PVC	<u>3.6</u>			
12. Plastic #5 - PP	<u>22.0 + 5.7</u>			
13. Plastic - Bags & Stretch Film	<u>35.1</u>			
14. Plastic - Other	<u>23.0</u>	<u>10 %</u>	%	%
15. Organics - Yard Waste	<u>5.8</u>			
16. Organics - Food Waste	<u>27.7 + 7.1</u>			
17. Organics - Other	<u>11.4</u>	<u>10 %</u>	<u>30 %</u>	%
18. Textiles	<u>19.0</u>			
19. Ferrous Metal - Cans	<u>6.7</u>			
20. Ferrous Metal - Other	<u>7.1</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>8.5</u>			
22. Non-Ferrous Metal - Other	<u>6.4</u>	%	%	%
23. Glass	<u>12.7</u>	%	%	%
24. Inorganic Material	<u>14.6</u>	%	<u>70 %</u>	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>0.0 + 1.7 + 10.4</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	<u>0.3</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

Beltrami
Semi

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>11</u> Date: <u>6/24/19</u>	
		Time: <u>1:43 P.M.</u> Person Recording: <u>Gray</u>	
HAULER INFORMATION:		Company Name: <u>J. Anderson</u> Truck #: <u>186 - Semi-Trailer</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>Beltrami Co.</u>	
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,100 #</u>	
		Outgoing Truck Weight (#): <u>36,240 #</u>	
		Weight of MSW (#): <u>42,860 #</u>	
WASTE COMP. INFORMATION: <u>WET Mess</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines
		#	#
		<u>20.4 #</u>	<u>20.9 #</u>
1. Paper - Newsprint (ONP)		<u>11.1</u>	
2. Paper - Mixed Office (SOP)		<u>11.1</u>	
3. Paper - Other (Magazines, Books, etc.)		<u>7.3</u>	
4. Paper - Compostable		<u>29.7 + 25.9</u>	<u>30 %</u>
5. Cardboard - Corrugated (OCC)		<u>25.7</u>	
6. Cardboard - Boxboard / Paperboard		<u>16.2</u>	
7. Cardboard - Cartons Gable Top & Aseptic		<u>5.9</u>	
8. Cardboard - Other		<u>32.2</u>	<u>50 %</u>
9. Plastic #1 - PET		<u>11.0</u>	
10. Plastic #2 - HDPE		<u>11.1</u>	
11. Plastic #3 - PVC		<u>0.1</u>	
12. Plastic #5 - PP		<u>5.5</u>	
13. Plastic - Bags & Stretch Film		<u>36.1</u>	
14. Plastic - Other		<u>23.7</u>	<u>10 %</u>
15. Organics - Yard Waste		<u>8.5</u>	
16. Organics - Food Waste		<u>17.3 + 9.0</u>	
17. Organics - Other		<u>5.1 + 15.6</u>	<u>10 %</u>
18. Textiles		<u>20.6</u>	
19. Ferrous Metal - Cans		<u>7.6</u>	
20. Ferrous Metal - Other		<u>7.4</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.8</u>	<u>%</u>
22. Non-Ferrous Metal - Other		<u>5.5</u>	<u>%</u>
23. Glass		<u>0.8 + 8.9</u>	<u>%</u>
24. Inorganic Material		<u>9.4</u>	<u>40 %</u>
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances			
28. Household Hazardous Waste - General			
29. Household Hazardous Waste - Batteries			
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			<u>%</u>

11
Bill
tronic
Semi

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>12</u>	Date: <u>6/24/19</u>		
		Time: <u>1:43 P.M.</u>	Person Recording: <u>[Signature]</u>		
HAULER INFORMATION:		Company Name: <u>L Anderson</u> Truck #: <u>086</u> <u>Denise</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>Bultrami Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,100 #</u>			
		Outgoing Truck Weight (#): <u>36,240 #</u>			
		Weight of MSW (#): <u>42,860 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>8.2</u>			
2. Paper - Mixed Office (SOP)		<u>7.1</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>24.7</u>			
4. Paper - Compostable		<u>34.9 + 27.1</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>27.5</u>			
6. Cardboard - Boxboard / Paperboard		<u>11.1</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>51.6</u>			
8. Cardboard - Other		<u>(13.6) + 18.1</u>	<u>15 %</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>12.7</u>			
10. Plastic #2 - HDPE		<u>(6.1) + 9.9</u>			
11. Plastic #3 - PVC		<u>(1.4)</u>			
12. Plastic #5 - PP		<u>5.6</u>			
13. Plastic - Bags & Stretch Film		<u>43.2</u>			
14. Plastic - Other		<u>18.2</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste		<u>7.6</u>			
16. Organics - Food Waste		<u>16.4 + 17.7</u>			
17. Organics - Other		<u>8.9</u>	<u>75 %</u>	<u>80 %</u>	<u>%</u>
18. Textiles		<u>22.3</u>			
19. Ferrous Metal - Cans		<u>6.4</u>			
20. Ferrous Metal - Other		<u>7.7</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.5</u>			
22. Non-Ferrous Metal - Other		<u>5.7</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>10.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>8.5</u>	<u>%</u>	<u>20 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(0.4)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		<u>(0.0)</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

12

Denise

Bultrami

Denise

8.2

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>13</u>	Date: <u>6/24/19</u>		
	Time: <u>1:49</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name: <u>Als Disposal</u> Truck #: <u>068</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>Norman Co.</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>50,980 #</u>			
	Outgoing Truck Weight (#): <u>36,200 #</u>			
	Weight of MSW (#): <u>14,780 #</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>12.4</u>			
2. Paper - Mixed Office (SOP)	<u>16.6</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>9.1</u>			
4. Paper - Compostable	<u>31.1 + 29.5</u>	<u>15</u> %		%
5. Cardboard - Corrugated (OCC)	<u>18.4</u>			
6. Cardboard - Boxboard / Paperboard	<u>16.6</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>5.8</u>			
8. Cardboard - Other	<u>28.9</u>			%
9. Plastic #1 - PET	<u>15.3</u>			
10. Plastic #2 - HDPE	<u>12.1</u>			
11. Plastic #3 - PVC	<u>-</u>			
12. Plastic #5 - PP	<u>6.2</u>			
13. Plastic - Bags & Stretch Film	<u>33.2</u>			
14. Plastic - Other	<u>17.1</u>	<u>5</u> %		%
15. Organics - Yard Waste	<u>6.8</u>			
16. Organics - Food Waste	<u>16.8 + 13.9</u>			
17. Organics - Other	<u>10.4</u>	<u>80</u> %	<u>50</u> %	%
18. Textiles	<u>12.6</u>			
19. Ferrous Metal - Cans	<u>7.6</u>			
20. Ferrous Metal - Other	<u>6.8</u>			%
21. Non-Ferrous Metal - UBC (Cans)	<u>9.1</u>			%
22. Non-Ferrous Metal - Other	<u>13.2</u>			%
23. Glass	<u>8.8</u>			%
24. Inorganic Material	<u>6.5</u>			<u>50</u> %
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>7.2</u>			
28. Household Hazardous Waste - General	<u>1.2</u>			
29. Household Hazardous Waste - Batteries	<u>0.2</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury				%

13

33.7

22.1

Load Information Form - Fractions

14

GENERAL INFORMATION:		Sample #: <u>14</u> Date: <u>6/24/19</u>	
		Time: <u>3:23 P.M.</u> Person Recording: <u>Quay</u>	
HAULER INFORMATION:		Company Name: <u>Bacon Dray</u> Truck #: <u>044</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>Direct Park</u>	
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>41,480 #</u>	
		Outgoing Truck Weight (#): <u>29,480 #</u>	
		Weight of MSW (#): <u>12,000 #</u>	
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #
			GROSS WEIGHT Bottom Fines #
			Non-Separable #
1. Paper - Newsprint (ONP)	<u>10.8</u>		
2. Paper - Mixed Office (SOP)	<u>9.3</u>		
3. Paper - Other (Magazines, Books, etc.)	<u>8.7</u>		
4. Paper - Compostable	<u>39.9 + 28.5</u>	%	%
5. Cardboard - Corrugated (OCC)	22.0 <u>21.3</u>		
6. Cardboard - Boxboard / Paperboard	<u>14.5</u>		
7. Cardboard - Cartons Gable Top & Aseptic	<u>5.9</u>		
8. Cardboard - Other	22.1 <u>19.1</u>	%	%
9. Plastic #1 - PET	<u>16.4</u>		
10. Plastic #2 - HDPE	<u>13.0</u>		
11. Plastic #3 - PVC			
12. Plastic #5 - PP	<u>5.9</u>		
13. Plastic - Bags & Stretch Film	<u>34.5</u>		
14. Plastic - Other	<u>6.9 + 25.5</u>	%	%
15. Organics - Yard Waste	40.0		
16. Organics - Food Waste	<u>13.6 + 21.3 + 16.6</u>		
17. Organics - Other	<u>15.3</u>	<u>100 %</u>	<u>90 %</u>
18. Textiles	<u>14.1</u>		
19. Ferrous Metal - Cans	<u>8.6</u>		
20. Ferrous Metal - Other	<u>6.4</u>	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>10.7</u>		
22. Non-Ferrous Metal - Other	<u>6.8</u>	%	%
23. Glass	<u>2.1</u>	%	%
24. Inorganic Material	<u>6.3</u>	%	<u>10 %</u>
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances			
28. Household Hazardous Waste - General	<u>1 Sharp (0.2) LED Bulb</u>		
29. Household Hazardous Waste - Batteries	<u>(0.3)</u>		
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury		%	%

7
483
15.6
327

115
48
30
190

33) Diapers

14.3

Load Information Form - Fractions

15

GENERAL INFORMATION:		Sample #: <u>15</u> Date: <u>6/25/19</u>	
		Time: <u>4:00 A.M.</u> Person Recording: <u>Judy</u>	
HAULER INFORMATION:		Company Name: <u>Racons Mays</u> Truck #: <u>056</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>Direct Park</u>	
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>49,060 #</u>	
		Outgoing Truck Weight (#): <u>34,860 #</u>	
		Weight of MSW (#): <u>14,200 #</u>	
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines
		#	#
		<u>11.3</u>	<u>13.5</u>
			#
			#
1. Paper - Newsprint (ONP)		<u>8.4</u>	
2. Paper - Mixed Office (SOP)		<u>9.4</u>	
3. Paper - Other (Magazines, Books, etc.)		<u>8.9</u>	
4. Paper - Compostable		<u>28.6</u>	<u>16.9 + 23.5</u> %
5. Cardboard - Corrugated (OCC) 28.6		<u>32.7</u> <u>(12.0)</u>	
6. Cardboard - Boxboard / Paperboard		<u>11.8</u>	
7. Cardboard - Cartons Gable Top & Aseptic		<u>0.2</u>	
8. Cardboard - Other		<u>28.6</u>	% % %
9. Plastic #1 - PET		<u>12.4</u>	
10. Plastic #2 - HDPE		<u>9.2</u>	
11. Plastic #3 - PVC		<u>—</u>	
12. Plastic #5 - PP		<u>6.1</u>	
13. Plastic - Bags & Stretch Film		<u>23.8</u>	
14. Plastic - Other		<u>18.8 + 13.5</u>	% % %
15. Organics - Yard Waste		<u>47.8</u> <u>(37.3)</u>	
16. Organics - Food Waste		<u>11.1 + 12.1</u>	
17. Organics - Other		<u>9.2</u>	<u>food 95 %</u> <u>100 %</u> %
18. Textiles		<u>12.3</u>	
19. Ferrous Metal - Cans		<u>6.6</u>	
20. Ferrous Metal - Other		<u>5.9</u>	% % %
21. Non-Ferrous Metal - UBC (Cans)		<u>7.7</u>	
22. Non-Ferrous Metal - Other		<u>5.9</u>	% % %
23. Glass		<u>11.6</u>	% % %
24. Inorganic Material		<u>5.9</u>	% % %
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances		<u>(3.1) 4.0</u>	
28. Household Hazardous Waste - General		<u>(0.5)</u>	
29. Household Hazardous Waste - Batteries			
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			% % %

$$\begin{array}{r} 7 \\ 45.9 \\ 8.6 \\ \hline 37.3 \end{array}$$

33) D: APERS

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>16</u>	Date: <u>6/25/19</u>		
		Time: <u>8:09 A.M.</u>	Person Recording: <u>Gregg</u>		
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #: <u>144</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>B. Miami Co. Semi Transfer</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>74,560</u>			
		Outgoing Truck Weight (#): <u>37,260</u>			
		Weight of MSW (#): <u>37,300</u>			
WASTE COMP. INFORMATION: <u>LOET</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
		<u>15.6</u>	<u>17.4</u>		
1. Paper - Newsprint (ONP)		<u>7.6</u>			
2. Paper - Mixed Office (SOP)		<u>10.1</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>6.0</u>			
4. Paper - Compostable		<u>24.9 + 32.1</u>	<u>90</u> %	%	%
5. Cardboard - Corrugated (OCC)		<u>22.9</u>			
6. Cardboard - Boxboard / Paperboard		<u>19.5</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.0</u>			
8. Cardboard - Other		<u>20.3</u>	%	%	%
9. Plastic #1 - PET		<u>14.9</u>			
10. Plastic #2 - HDPE		<u>9.9</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>6.1</u>			
13. Plastic - Bags & Stretch Film		<u>33.7</u>			
14. Plastic - Other		<u>18.4</u>	<u>5</u> %	%	%
15. Organics - Yard Waste		<u>7.0</u>			
16. Organics - Food Waste		<u>(34.2) 18.6 + 19.5</u>			
17. Organics - Other		<u>8.9</u>	%	<u>form 95</u> %	%
18. Textiles		<u>23.8</u>			
19. Ferrous Metal - Cans		<u>5.9</u>			
20. Ferrous Metal - Other		<u>6.0</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.2</u>			
22. Non-Ferrous Metal - Other		<u>6.7</u>	%	%	%
23. Glass		<u>9.5</u>	<u>5</u> %	%	%
24. Inorganic Material		<u>7.1</u>	%	<u>5</u> %	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(12.9)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

16
Semi Transfer
Bell

~~45~~
742.5
8.3
34.2

33) Diapers

13.3

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>17</u>	Date: <u>6/25/19</u>		
		Time: <u>8:09 A.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #:			
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>Beltrami Co. Semi Transfer</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>74560</u>			
		Outgoing Truck Weight (#): <u>37260</u>			
		Weight of MSW (#): <u>37300</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	<u>Sort case on wheel</u>
			<u>15.3</u>		<u>3.5</u>
1. Paper - Newsprint (ONP)		<u>11.4</u>			
2. Paper - Mixed Office (SOP)		<u>11.1</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>9.0</u>			
4. Paper - Compostable		<u>32.1 + 24.3</u>	%	%	%
5. Cardboard - Corrugated (OCC)		<u>22.1</u>			
6. Cardboard - Boxboard / Paperboard		<u>19.4</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.0</u>			
8. Cardboard - Other		<u>17.2</u>	%	%	%
9. Plastic #1 - PET		<u>15.0</u>			
10. Plastic #2 - HDPE		<u>11.2</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>6.0</u>			
13. Plastic - Bags & Stretch Film		<u>32.8</u>			
14. Plastic - Other		23.2 <u>23.2</u>	%	%	<u>10 %</u>
15. Organics - Yard Waste		4.3 <u>6.4</u>			
16. Organics - Food Waste		<u>18.5</u>			
17. Organics - Other		<u>10.6</u>	<u>found 80 %</u>	%	%
18. Textiles		<u>23.1</u>			<u>90%</u>
19. Ferrous Metal - Cans		<u>10.9</u>			
20. Ferrous Metal - Other		<u>0.4 + 6.0 + 8.0</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>10.5</u>			
22. Non-Ferrous Metal - Other		<u>6.1</u>	%	%	%
23. Glass		<u>12.9</u>	%	%	%
24. Inorganic Material		<u>8.2</u>	<u>20 %</u>	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)		<u>0.3</u>			
27. Electronics - Small Appliances		<u>0.3</u>			
28. Household Hazardous Waste - General		<u>1 Sharps</u>			
29. Household Hazardous Waste - Batteries		<u>2 AA</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

33) Diapers

35.7

17

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>18</u>	Date: <u>6/25/19</u>		
	Time: <u>8:09 A.M.</u>	Person Recording: <u>Gray</u>		
HAULER INFORMATION:	Company Name: <u>G. Anderson</u> Truck #: <u>144</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>Beltrami Co. Semi Transfer</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>74,560</u>			
	Outgoing Truck Weight (#): <u>37,260</u>			
	Weight of MSW (#): <u>37,300</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>7.6</u>			
2. Paper - Mixed Office (SOP)	<u>9.6</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>9.0</u>			
4. Paper - Compostable	<u>24.7 + 28.8</u>	<u>85 %</u>	%	%
5. Cardboard - Corrugated (OCC)	<u>19.2</u>			
6. Cardboard - Boxboard / Paperboard	<u>16.0</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>6.7</u>			
8. Cardboard - Other	<u>19.1</u>	%	%	%
9. Plastic #1 - PET	10.0 <u>+13.9</u>			
10. Plastic #2 - HDPE	<u>11.0</u>			
11. Plastic #3 - PVC	-			
12. Plastic #5 - PP	<u>6.8</u>			
13. Plastic - Bags & Stretch Film	<u>31.7</u>			
14. Plastic - Other	<u>25.9</u>	<u>5 %</u>	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<u>8.5 + 15.5</u>			
17. Organics - Other	<u>4.1 + 12.0</u>	%	<u>50 %</u>	%
18. Textiles	<u>19.2</u>			
19. Ferrous Metal - Cans	<u>8.1</u>			
20. Ferrous Metal - Other	<u>6.7</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>8.1</u>			
22. Non-Ferrous Metal - Other	<u>6.8</u>	%	%	%
23. Glass	<u>14.2</u>	<u>10 %</u>	%	%
24. Inorganic Material	<u>20.3 + 8.0</u>	%	<u>50 %</u>	%
25. Electronics - Regulated (Video Screens)	<u>0.4</u> <u>cell phone</u>			
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>2.8</u> <u>0.9</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	<u>0.2</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

18
Semi Transfer
Bell

28.9
8.6
203

33. Diapers

21.2 21

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>19</u>	Date: <u>6/25/19</u>		
		Time: <u>8:27 A.M.</u>	Person Recording: <u>Gray</u>		
HAULER INFORMATION:		Company Name: <u>Litton</u>		Truck #: <u>004</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>Clearwater Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>49,060 #</u>			
		Outgoing Truck Weight (#): <u>34,460 #</u>			
		Weight of MSW (#): <u>14,600 #</u>			
WASTE COMP. INFORMATION: <u>WET WET & FOOD</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	<u>22.8</u> #	<u>21.3</u> #	#
1. Paper - Newsprint (ONP)		<u>9.2</u>			
2. Paper - Mixed Office (SOP)		<u>25.0</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>7.3</u>			
4. Paper - Compostable		<u>26.7 + 25.6</u>	<u>40%</u>	%	%
5. Cardboard - Corrugated (OCC)		<u>22.0</u>			
6. Cardboard - Boxboard / Paperboard		<u>12.8</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>(0.1)</u>			
8. Cardboard - Other		<u>17.3</u>	%	%	%
9. Plastic #1 - PET		20.0 <u>13.6</u>			
10. Plastic #2 - HDPE		<u>11.1</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>6.7</u>			
13. Plastic - Bags & Stretch Film		<u>28.1</u>			
14. Plastic - Other		<u>21.5 + 16.8</u>	<u>10%</u>	%	%
15. Organics - Yard Waste		<u>(0.1)</u>			
16. Organics - Food Waste		<u>(2.52) + 16.3</u>			
17. Organics - Other		<u>10.8</u>	<u>food 50%</u>	<u>50%</u>	%
18. Textiles		<u>22.1</u>			
19. Ferrous Metal - Cans		<u>7.1</u>			
20. Ferrous Metal - Other		<u>10.0</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>10.4</u>			
22. Non-Ferrous Metal - Other		<u>7.5</u>	%	%	%
23. Glass		<u>19.1</u>	%	%	%
24. Inorganic Material		<u>11.2</u>	%	<u>50%</u>	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General		<u>(0.5)</u>	<u>(0.1) LED Bulb</u>		
29. Household Hazardous Waste - Batteries		<u>(0.1)</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

19
Clear

340
470
18.8
2572

33) Diapers

8.9

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>6</u>	Date: <u>6/25/19</u>		
	Time: <u>9:41 A.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name: <u>Balco's May</u> Truck #: <u>056</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>Direct Park</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>43,520 #</u>			
	Outgoing Truck Weight (#): <u>34,900 #</u>			
	Weight of MSW (#): <u>8620 #</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>6.3</u>			
2. Paper - Mixed Office (SOP)	<u>15.8</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>6.3</u>			
4. Paper - Compostable	<u>18.1 + 16.9</u>	<u>25 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)	<u>24.5</u>			
6. Cardboard - Boxboard / Paperboard	<u>9.9</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>5.9</u>			
8. Cardboard - Other	<u>17.0</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET	<u>12.8</u>			
10. Plastic #2 - HDPE	<u>9.3</u>			
11. Plastic #3 - PVC	<u>-</u>			
12. Plastic #5 - PP	<u>5.4</u>			
13. Plastic - Bags & Stretch Film	<u>24.7</u>			
14. Plastic - Other <u>LARGE BELL</u>	<u>(22.1)</u> <u>19.8</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste	<u>6.6</u>			
16. Organics - Food Waste	<u>10.7</u>			
17. Organics - Other	<u>14.7</u>	<u>%</u>	<u>food 10 %</u>	<u>%</u>
18. Textiles	<u>17.3 + 55.3 + 32.5</u>			
19. Ferrous Metal - Cans	<u>5.9</u>			
20. Ferrous Metal - Other	<u>8.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)	<u>7.2</u>			
22. Non-Ferrous Metal - Other	<u>5.8</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass	<u>(7.6) + 7.8</u>	<u>70 %</u>	<u>85 %</u>	<u>%</u>
24. Inorganic Material		<u>%</u>	<u>5 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)	<u>(0.3)</u> cell phone			
27. Electronics - Small Appliances	<u>(4.1)</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	<u>(1.6)</u>			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		<u>%</u>	<u>%</u>	<u>%</u>

20

Palk
co
Direct

33) Diapers

9.1

Load Information Form - Fractions

✓
21

GENERAL INFORMATION:		Sample #: 21	Date: 6/25/19		
		Time: 9:59 A.M.	Person Recording:		
HAULER INFORMATION:		Company Name: Anderson Truck #: 165			
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area: Transfer Park			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): 79,720 #			
		Outgoing Truck Weight (#): 36,880 #			
		Weight of MSW (#): 42,840 #			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		6.7			
2. Paper - Mixed Office (SOP)		11.0			
3. Paper - Other (Magazines, Books, etc.)		6.7			
4. Paper - Compostable		24.3 + 31.3	30 %	%	%
5. Cardboard - Corrugated (OCC)		21.1			
6. Cardboard - Boxboard / Paperboard		12.1			
7. Cardboard - Cartons Gable Top & Aseptic		0.1			
8. Cardboard - Other		23.2	%	%	%
9. Plastic #1 - PET		12.2			
10. Plastic #2 - HDPE		(4.5) + 10.4			
11. Plastic #3 - PVC		-			
12. Plastic #5 - PP		6.8			
13. Plastic - Bags & Stretch Film		36.5 + 19.8			
14. Plastic - Other		14.3 + 13.1 + 23.4	20 %	%	%
15. Organics - Yard Waste		0.4			
16. Organics - Food Waste		10.8 + 11.5 + 8.7			
17. Organics - Other		16.1 + 0.1	50 %	50 %	%
18. Textiles		11.4			
19. Ferrous Metal - Cans		6.1			
20. Ferrous Metal - Other		6.9	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		8.3			
22. Non-Ferrous Metal - Other		8.2	%	%	%
23. Glass			%	%	%
24. Inorganic Material		11.4	%	50 %	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		10.0 + 1.4			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		1-AAA			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

14.5
8.6
11.5

33) Diapers

19.8

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>22</u>	Date: <u>6/25/19</u>		
		Time: <u>9:59 AM</u>	Person Recording: <u>Dubey</u>		
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #: <u>165</u>			
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area: <u>Transfer Polk</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,720 #</u>			
		Outgoing Truck Weight (#): <u>36,880 #</u>			
		Weight of MSW (#): <u>42,840 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newspaper (ONP)		<u>9.7</u>			
2. Paper - Mixed Office (SOP)		<u>7.7</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>7.3</u>			
4. Paper - Compostable		<u>23.7 + 26.8</u>	<u>85 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>21.3</u>			
6. Cardboard - Boxboard / Paperboard		<u>13.8</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.9</u>			
8. Cardboard - Other		<u>11.6</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>11.0</u>			
10. Plastic #2 - HDPE		<u>9.2</u>			
11. Plastic #3 - PVC		<u>-</u>			
12. Plastic #5 - PP		<u>5.6</u>			
13. Plastic - Bags & Stretch Film		<u>(3.2) + 38.4</u>			
14. Plastic - Other		<u>(5.7) + 20.8</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste		<u>(0.1)</u>			
16. Organics - Food Waste <u>15.1 + 10.8</u>		<u>(32.6) (32.6)</u>			
17. Organics - Other		<u>12.9</u>	<u>food 10 %</u>	<u>50 %</u>	<u>%</u>
18. Textiles <u>Large Towels (100 #)</u>		<u>17.3</u>			
19. Ferrous Metal - Cans		<u>7.8</u>			
20. Ferrous Metal - Other		<u>6.8</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>6.9</u>			
22. Non-Ferrous Metal - Other		<u>5.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>-</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>-</u>	<u>%</u>	<u>40 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(3.6)</u>			
28. Household Hazardous Waste - General		<u>(0.8)</u>			
29. Household Hazardous Waste - Batteries		<u>(0.1)</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

22
Polk
CO
Transfer

48.2
15.6
37.6

33) DIAPERS

11.1

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>23</u>	Date: <u>6/25/19</u>		
		Time: <u>11:35 A.M.</u>	Person Recording: <u>Gray</u>		
HAULER INFORMATION:		Company Name: <u>Josston Direct</u> Truck #: <u>087</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>Direct Park</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>30,200 #</u>			
		Outgoing Truck Weight (#): <u>21,560 #</u>			
		Weight of MSW (#): <u>8640 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #	GROSS WEIGHT Bottom Fines #	Non-Separable #
			<u>12.2</u>	<u>14.2</u>	
1. Paper - Newsprint (ONP)		<u>6.8</u>			
2. Paper - Mixed Office (SOP)		<u>17.2</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>6.8</u>			
4. Paper - Compostable		<u>26.9 + 25.2</u>	<u>15</u> %		%
5. Cardboard - Corrugated (OCC)		<u>16.3</u>			
6. Cardboard - Boxboard / Paperboard		<u>16.8</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.4</u>			
8. Cardboard - Other		<u>16.6</u>		%	%
9. Plastic #1 - PET		<u>15.1</u>			
10. Plastic #2 - HDPE		<u>10.4</u>			
11. Plastic #3 - PVC		<u>0.2</u>			
12. Plastic #5 - PP		<u>6.7</u>			
13. Plastic - Bags & Stretch Film		<u>26.4</u>			
14. Plastic - Other		<u>20.5</u>	<u>5</u> %		%
15. Organics - Yard Waste		<u>6.1</u>			
16. Organics - Food Waste		<u>23.7 + 16.6</u>			
17. Organics - Other		<u>10.1</u>	<u>food 80</u> %	<u>100</u> %	%
18. Textiles		<u>23.7</u>			
19. Ferrous Metal - Cans		<u>7.2</u>			
20. Ferrous Metal - Other		<u>8.4</u>		%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.3</u>			
22. Non-Ferrous Metal - Other		<u>6.2</u>		%	%
23. Glass		<u>21.2</u>		%	%
24. Inorganic Material		<u>7.8</u>		%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>11.6</u> <u>0.7</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		<u>0.4</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury				%	%

23
Ma
710
men

33) Diapers

32.2

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>24</u>	Date: <u>6/25/19</u>		
		Time: <u>1:49 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>White Earth Plant</u> Truck # <u>634</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>Mahnomen Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>54,240*</u>			
		Outgoing Truck Weight (#): <u>34,920*</u>			
		Weight of MSW (#): <u>19,320*</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>6.7</u>			
2. Paper - Mixed Office (SOP)		<u>10.9</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>9.3</u>			
4. Paper - Compostable		<u>29.5 + 27.8</u>	<u>20%</u>	%	%
5. Cardboard - Corrugated (OCC)		<u>23.6</u>			
6. Cardboard - Boxboard / Paperboard		<u>18.1</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.3</u>			
8. Cardboard - Other		<u>18.9</u>	%	%	%
9. Plastic #1 - PET		<u>15.8</u>			
10. Plastic #2 - HDPE		<u>10.8</u>			
11. Plastic #3 - PVC		<u>—</u>			
12. Plastic #5 - PP		<u>6.8</u>			
13. Plastic - Bags & Stretch Film		<u>32.6</u>			
14. Plastic - Other		<u>16.8 + 31.2 + 0.5</u>	<u>5%</u>	%	%
15. Organics - Yard Waste		<u>—</u>			
16. Organics - Food Waste		<u>6.8 + 17.5</u>			
17. Organics - Other		<u>11.4</u>	%	<u>50%</u>	%
18. Textiles		<u>14.7</u>			
19. Ferrous Metal - Cans		<u>9.4</u>			
20. Ferrous Metal - Other		<u>6.8</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.3</u>			
22. Non-Ferrous Metal - Other		<u>7.0 (rod)</u>	%	%	%
23. Glass		<u>15.2</u>	<u>75%</u>	%	%
24. Inorganic Material		<u>—</u>	%	<u>20%</u>	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>14.5</u>			
28. Household Hazardous Waste - General		<u>0.1</u>			
29. Household Hazardous Waste - Batteries		<u>1 AH</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

24
Semi

14.5
5.2

33) Diapers

21.7

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>25</u>	Date: <u>6/25/19</u>		
		Time: <u>2:08 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>J. Anderson</u> Truck #: <u>0816</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>Beltrami Co Semi Transfer</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>75,200^{##}</u>			
		Outgoing Truck Weight (#): <u>36,140^{##}</u>			
		Weight of MSW (#): <u>39,040^{##}</u>			
WASTE COMP. INFORMATION: <u>lost!!</u> <u>+TRANSFER!!</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>9.6</u>			
2. Paper - Mixed Office (SOP)		<u>9.9</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>10.4</u>			
4. Paper - Compostable		<u>37.2 + 38.1</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>18.6</u>			
6. Cardboard - Boxboard / Paperboard		<u>14.6</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>(0.1)</u>			
8. Cardboard - Other		<u>19.3</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>13.5</u>			
10. Plastic #2 - HDPE		<u>10.9</u>			
11. Plastic #3 - PVC		<u>-</u>			
12. Plastic #5 - PP		<u>7.1</u>			
13. Plastic - Bags & Stretch Film		<u>51.6</u>			
14. Plastic - Other		<u>16.1</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>12.0 + (10.9) + 8.0</u>			
17. Organics - Other		<u>15.6</u>	<u>%</u>	<u>food 50 %</u>	<u>%</u>
18. Textiles		<u>12.1</u>			
19. Ferrous Metal - Cans		<u>8.4</u>			
20. Ferrous Metal - Other		<u>6.1</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>8.7</u>			
22. Non-Ferrous Metal - Other		<u>5.9</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>8.5</u>	<u>90 %</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>7.7</u>	<u>%</u>	<u>50 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)		<u>8.9</u>			
27. Electronics - Small Appliances		<u>(0.4)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		<u>1AA</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

33) Diapers

11.9

25
Juni

9.4
5.6
4.0

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>26</u>	Date: <u>6/25/19</u>		
	Time: <u>2:08 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name: <u>V. Anderson</u> Truck #: <u>086</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>Buttrami Co. Semi Transfer</u>			
MSW LOAD WEIGHT:	Incoming Truck Weight (#): <u>75,200</u>			
	Outgoing Truck Weight (#): <u>36,160</u>			
	Weight of MSW (#): <u>39,040</u>			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>7.5</u>			
2. Paper - Mixed Office (SOP)	<u>12.3</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>8.9</u>			
4. Paper - Compostable	<u>22.2 + 25.7</u>	<u>5%</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)	<u>29.4</u>			
6. Cardboard - Boxboard / Paperboard	<u>11.9</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>0.2</u>			
8. Cardboard - Other	<u>22.6</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET	<u>11.7</u>			
10. Plastic #2 - HDPE	<u>9.6</u>			
11. Plastic #3 - PVC				
12. Plastic #5 - PP	<u>6.2</u>			
13. Plastic - Bags & Stretch Film	<u>32.0</u>			
14. Plastic - Other	<u>26.0</u>	<u>5%</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste	<u>7.2</u>			
16. Organics - Food Waste	<u>37.4 + 15.8</u>			
17. Organics - Other	<u>27.1</u>	<u>woody/food 90%</u>	<u>woody/food 90%</u>	<u>%</u>
18. Textiles	<u>14.7</u>			
19. Ferrous Metal - Cans	<u>5.7</u>			
20. Ferrous Metal - Other	<u>21.0 + 7.9</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)	<u>8.3</u>			
22. Non-Ferrous Metal - Other	<u>9.1</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass	<u>6.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material	<u>6.6</u>	<u>7%</u>	<u>10%</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)	<u>0.1</u>			
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		<u>%</u>	<u>%</u>	<u>%</u>

26
Semi

37) Diapers 19.1 21

Load Information Form - Fractions

27
Semi

VIN:	Sample #: 27	Date: 6/25/19		
	Time: 2:08 P.M.	Person Recording: Jay		
	Company Name: S. Anderson Truck #: 086			
	Residential: <input checked="" type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>		
TYPE OF TRUCK:	Service Area: Beltrami Co. Semi Transfer			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):	75,200		
	Outgoing Truck Weight (#):	36,160		
	Weight of MSW (#):	39,040		
WASTE COMP. INFORMATION: WASTE INFORMATION WASTE HEAVY & FOOD	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	6.2			
2. Paper - Mixed Office (SOP)	12.2			
3. Paper - Other (Magazines, Books, etc.)	25.0			
4. Paper - Compostable	28.2 + 33.4	10 %	%	%
5. Cardboard - Corrugated (OCC)	(19.4) 19.1			
6. Cardboard - Boxboard / Paperboard	13.0			
7. Cardboard - Cartons Gable Top & Aseptic	5.7			
8. Cardboard - Other	16.6	%	%	%
9. Plastic #1 - PET	12.0			
10. Plastic #2 - HDPE	9.6			
11. Plastic #3 - PVC	-			
12. Plastic #5 - PP	5.7			
13. Plastic - Bags & Stretch Film	34.4			
14. Plastic - Other	(5.4) 21.4	5 %	%	%
15. Organics - Yard Waste	(0.1)			
16. Organics - Food Waste	15.1 + 10.2			
17. Organics - Other	26.0	10 %	90 %	%
18. Textiles	9.5			
19. Ferrous Metal - Cans	7.2			
20. Ferrous Metal - Other	5.8	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	9.0			
22. Non-Ferrous Metal - Other	5.6	%	%	%
23. Glass	6.4	%	%	%
24. Inorganic Material	11.7	5 %	10 %	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

37) Diapers

9 1/2

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>28</u>	Date: <u>6/26/19</u>		
		Time: <u>6:55 AM</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>Hubbard Co. Public Works - 171</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>Hubbard Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,280</u>			
		Outgoing Truck Weight (#): <u>38,520</u>			
		Weight of MSW (#): <u>40,760</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>8.7</u>			
2. Paper - Mixed Office (SOP)		<u>7.5</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>10.6</u>			
4. Paper - Compostable		<u>25.8 + 28.9</u>	<u>5%</u>		
5. Cardboard - Corrugated (OCC)		<u>16.9</u>			
6. Cardboard - Boxboard / Paperboard		<u>11.3</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.7</u>			
8. Cardboard - Other		<u>17.8</u>			
9. Plastic #1 - PET		<u>13.5</u>			
10. Plastic #2 - HDPE		<u>27.1 + 10.2</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>5.9</u>			
13. Plastic - Bags & Stretch Film		<u>39.5</u>			
14. Plastic - Other		<u>18.1</u>	<u>5%</u>		<u>90%</u>
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>29.8 + 16.4</u>			
17. Organics - Other		<u>15.0</u>	<u>wood/food 90%</u>	<u>95%</u>	
18. Textiles		<u>10.6</u>			<u>10</u>
19. Ferrous Metal - Cans		<u>0.3</u>			
20. Ferrous Metal - Other		<u>5.9</u>			
21. Non-Ferrous Metal - UBC (Cans)		<u>7.0</u>			
22. Non-Ferrous Metal - Other		<u>11.4</u>			
23. Glass		<u>7.3</u>			
24. Inorganic Material		<u>16.2</u>		<u>5%</u>	
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>1.0</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		<u>0.2</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury					

28
Hubbard

2.2#

54.7
15.3

20

30

33) Diapers

9.1

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>29</u>	Date: <u>6/26/19</u>		
		Time: <u>6:55 A.M.</u>	Person Recording: <u>indy</u>		
HAULER INFORMATION:		Company Name: <u>Hubbard County Waste 171</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>Hubbard Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,280 #</u>			
		Outgoing Truck Weight (#): <u>38,520 #</u>			
		Weight of MSW (#): <u>40,760 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>8.9</u>			
2. Paper - Mixed Office (SOP)		<u>14.5</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>12.3</u>			
4. Paper - Compostable		<u>25.9 + 38.9</u>	<u>50%</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>18.7</u>			
6. Cardboard - Boxboard / Paperboard		<u>17.2</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>5.7</u>			
8. Cardboard - Other		<u>18.1</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>11.8</u>			
10. Plastic #2 - HDPE		<u>14.4</u>			
11. Plastic #3 - PVC		<u>(0.3)</u>			
12. Plastic #5 - PP		<u>5.7</u>			
13. Plastic - Bags & Stretch Film		<u>33.3</u>			
14. Plastic - Other		<u>28.4 + 18.1</u>	<u>5%</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste		<u>-</u>			
16. Organics - Food Waste		<u>18.5 + 11.5</u>			
17. Organics - Other		<u>10.4</u>	<u>30%</u>	<u>90%</u>	<u>%</u>
18. Textiles		<u>25.9</u>			
19. Ferrous Metal - Cans		<u>7.6</u>			
20. Ferrous Metal - Other		<u>7.4</u>	<u>15%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>8.2</u>			
22. Non-Ferrous Metal - Other		<u>6.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>7.7</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>6.7</u>	<u>5%</u>	<u>10%</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(0.9)</u>			
28. Household Hazardous Waste - General		<u>(1.0)</u>			
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

29
Hubbard

33) Diapers

23.2

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>30</u> Date: <u>6/26/19</u>			
		Time: <u>6:55 A.M.</u> Person Recording: <u>Judy</u>			
HAULER INFORMATION:		Company Name: <u>J. Anderson</u> Truck #: <u>17P</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>Hubbard Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,280 #</u>			
		Outgoing Truck Weight (#): <u>38,520 #</u>			
		Weight of MSW (#): <u>40,760 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>9.0</u>			
2. Paper - Mixed Office (SOP)		<u>11.4</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>13.7</u>			
4. Paper - Compostable		<u>29.2 + 29.8</u>	<u>65 %</u>	<u>50%</u>	%
5. Cardboard - Corrugated (OCC)		<u>0.0</u>			
6. Cardboard - Boxboard / Paperboard		<u>14.3</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>7.0</u>			
8. Cardboard - Other		<u>29.7</u>	%	%	%
9. Plastic #1 - PET		<u>11.9</u>			
10. Plastic #2 - HDPE		<u>11.3</u>			
11. Plastic #3 - PVC		<u>-</u>			
12. Plastic #5 - PP		<u>7.6</u>			
13. Plastic - Bags & Stretch Film		<u>33.4</u>			
14. Plastic - Other		<u>19.7</u>	<u>30 %</u>	%	%
15. Organics - Yard Waste		<u>6.7</u>			
16. Organics - Food Waste		<u>11.5 + 18.6</u>			
17. Organics - Other		<u>11.4</u>	<u>5 %</u>	%	%
18. Textiles		<u>25.0</u>			
19. Ferrous Metal - Cans		<u>8.1</u>			
20. Ferrous Metal - Other		<u>14.1</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>7.4</u>			
22. Non-Ferrous Metal - Other		<u>9.2</u>	%	%	%
23. Glass		<u>10.5</u>	%	%	%
24. Inorganic Material		<u>10.9</u>	<u>9 %</u>	<u>50%</u>	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)		<u>0.3</u>			
27. Electronics - Small Appliances		<u>0.5</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		<u>0.1</u> <u>3.4</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

30
Hubbard

33.7 Diapers

14.6

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>31</u> Date: <u>6/26/19</u>	
		Time: <u>6:55 A.M.</u> Person Recording: <u>Jay</u>	
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #: <u>1710</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>Hubbard Co.</u>	
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,280</u> #	
		Outgoing Truck Weight (#): <u>38,520</u> #	
		Weight of MSW (#): <u>40,760</u> #	
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines
		#	#
		<u>14.9</u>	<u>14.7</u>
		#	#
		#	#
1. Paper - Newsprint (ONP)		<u>4.6</u>	
2. Paper - Mixed Office (SOP)		<u>7.8</u>	
3. Paper - Other (Magazines, Books, etc.)		<u>(2.1)</u>	
4. Paper - Compostable		<u>25.2 + 32.7</u>	<u>30</u> %
5. Cardboard - Corrugated (OCC)		<u>(7.2)</u>	
6. Cardboard - Boxboard / Paperboard		<u>11.5</u>	
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.6</u>	
8. Cardboard - Other		<u>16.6</u>	% %
9. Plastic #1 - PET		<u>11.3</u>	
10. Plastic #2 - HDPE		<u>10.9</u>	
11. Plastic #3 - PVC		<u>—</u>	
12. Plastic #5 - PP		<u>5.8</u>	
13. Plastic - Bags & Stretch Film		<u>29.2</u>	
14. Plastic - Other		<u>20.8</u>	% % %
15. Organics - Yard Waste			
16. Organics - Food Waste		<u>11.7 + 14.5</u>	
17. Organics - Other		<u>29.6</u>	<u>60</u> % <u>95</u> %
18. Textiles		<u>43.5</u>	
19. Ferrous Metal - Cans		<u>6.3</u>	
20. Ferrous Metal - Other		<u>7.0</u>	% % %
21. Non-Ferrous Metal - UBC (Cans)		<u>6.3</u>	
22. Non-Ferrous Metal - Other		<u>5.8</u>	% % %
23. Glass		<u>11.7</u>	% % %
24. Inorganic Material		32.3 <u>13.6</u>	<u>10</u> % <u>5</u> %
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances		<u>(0.1)</u>	
28. Household Hazardous Waste - General			
29. Household Hazardous Waste - Batteries		<u>(0.1)</u>	
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			% % %

31
Hubbard

33) Diapers

20.3

Load Information Form - Fractions

32

GENERAL INFORMATION:		Sample #: <u>32</u>	Date: <u>6/26/19</u>
		Time: <u>11:06 A.M.</u>	Person Recording: <u>Judy</u>
HAULER INFORMATION:		Company Name: <u>Als Disposal</u> Truck #: <u>0608</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>Norman Co.</u>	
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>55,800 #</u>	
		Outgoing Truck Weight (#): <u>36,280 #</u>	
		Weight of MSW (#): <u>19,520 #</u>	
WASTE COMP. INFORMATION: <u>WE9 a Heavy & food</u>		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #
			GROSS WEIGHT Bottom Fines #
			Non-Separable #
1. Paper - Newsprint (ONP)		<u>7.7</u>	
2. Paper - Mixed Office (SOP)		<u>14.1</u>	
3. Paper - Other (Magazines, Books, etc.)		<u>12.2</u>	
4. Paper - Compostable		<u>23.2+31.3</u>	<u>40 %</u>
5. Cardboard - Corrugated (OCC)		<u>16.9</u>	
6. Cardboard - Boxboard / Paperboard		<u>16.5</u>	
7. Cardboard - Cartons Gable Top & Aseptic		<u>0.2</u>	
8. Cardboard - Other		<u>39.2</u>	<u>%</u>
9. Plastic #1 - PET		<u>13.0</u>	
10. Plastic #2 - HDPE		<u>12.2</u>	
11. Plastic #3 - PVC		<u>-</u>	
12. Plastic #5 - PP		<u>6.4</u>	
13. Plastic - Bags & Stretch Film		<u>16.9 32.8</u>	
14. Plastic - Other		<u>16.4</u>	<u>20 %</u>
15. Organics - Yard Waste		<u>15.2</u>	
16. Organics - Food Waste		<u>18.8+12.3</u>	
17. Organics - Other		<u>8.8</u>	<u>40 %</u>
18. Textiles		<u>32.9</u>	<u>50 %</u>
19. Ferrous Metal - Cans		<u>7.8</u>	
20. Ferrous Metal - Other		<u>6.7</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.3</u>	<u>%</u>
22. Non-Ferrous Metal - Other		<u>7.3</u>	<u>%</u>
23. Glass		<u>8.9</u>	<u>%</u>
24. Inorganic Material		<u>15.0</u>	<u>50 %</u>
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances		<u>(4.3) (3.9)</u>	
28. Household Hazardous Waste - General			
29. Household Hazardous Waste - Batteries			
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			<u>%</u>

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>33</u>	Date: <u>6/26/19</u>		
		Time: <u>1:54 P.M.</u>	Person Recording: <u>Jelly</u>		
HAULER INFORMATION:		Company Name: <u>G. Anderson</u> Truck #: _____			
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>Transfer Park Semi</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,740 #</u>			
		Outgoing Truck Weight (#): <u>36,140 #</u>			
		Weight of MSW (#): <u>43,600 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	15.0 #	21.0 #	#
1. Paper - Newsprint (ONP)		7.2			
2. Paper - Mixed Office (SOP)		9.4			
3. Paper - Other (Magazines, Books, etc.)		10.5			
4. Paper - Compostable		35.0	25%	50%	%
5. Cardboard - Corrugated (OCC)		14.2 + 25.6			
6. Cardboard - Boxboard / Paperboard		12.5			
7. Cardboard - Cartons Gable Top & Aseptic		6.3			
8. Cardboard - Other		19.3	%	%	%
9. Plastic #1 - PET		14.0			
10. Plastic #2 - HDPE		11.8			
11. Plastic #3 - PVC		-			
12. Plastic #5 - PP		9.3			
13. Plastic - Bags & Stretch Film		29.9			
14. Plastic - Other		19.7	15%	%	%
15. Organics - Yard Waste		6.1			
16. Organics - Food Waste		21.9 +			
17. Organics - Other		8.9	80%	50%	%
18. Textiles		19.8			
19. Ferrous Metal - Cans		6.4			
20. Ferrous Metal - Other		7.2	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		7.6			
22. Non-Ferrous Metal - Other		5.8	%	%	%
23. Glass		13.1	%	%	%
24. Inorganic Material		9.0 4.6	%	50%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General		(2.1)			
29. Household Hazardous Waste - Batteries		(0.1)			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

33

Pack Transfer

377 Dir Pers

16.4

Load Information Form - Fractions

34

GENERAL INFORMATION:		Sample #: <u>34</u>	Date: <u>6/26/19</u>		
		Time: <u>1:54 P.M.</u>	Person Recording: <u>Dray</u>		
HAULER INFORMATION:		Company Name: <u>J. Anderson</u> Truck #: <u>1470</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>Transfer Polk</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>79,740 #</u>			
		Outgoing Truck Weight (#): <u>36,140 #</u>			
		Weight of MSW (#): <u>43,600 #</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>13.8</u>			
2. Paper - Mixed Office (SOP)		<u>10.7</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>8.5</u>			
4. Paper - Compostable		<u>34.4</u>	<u>10 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>25.6</u>			
6. Cardboard - Boxboard / Paperboard		<u>12.2</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>1.1</u>			
8. Cardboard - Other		<u>18.8</u>	<u>(11.3) + (32.4)</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>11.7</u>			
10. Plastic #2 - HDPE		<u>11.3</u>			
11. Plastic #3 - PVC		<u>7.7</u>			
12. Plastic #5 - PP		<u>29.9</u>			
13. Plastic - Bags & Stretch Film		<u>21.3 + 13.5</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste		<u>7.6</u>			
16. Organics - Food Waste		<u>14.1 + 6.3</u>			
17. Organics - Other		<u>9.1</u>	<u>85 %</u>	<u>80 %</u>	<u>%</u>
18. Textiles		<u>4.1</u>			
19. Ferrous Metal - Cans		<u>7.7</u>			
20. Ferrous Metal - Other		<u>7.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>9.0</u>			
22. Non-Ferrous Metal - Other		<u>6.6</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>8.2</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>13.8</u>	<u>1 %</u>	<u>20 %</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)		<u>0.4</u>			
27. Electronics - Small Appliances		<u>0.3</u>	<u>0.1</u>		
28. Household Hazardous Waste - General		<u>1.1</u>			
29. Household Hazardous Waste - Batteries		<u>0.2</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

$$\begin{array}{r}
 40.6 \\
 8.2 \\
 \hline
 32.4 \\
 18.5 \\
 8.2 \\
 \hline
 17.3 \\
 2 \\
 \hline
 13.1 \\
 8.2 \\
 \hline
 4.9
 \end{array}$$

33) Diapers

21.8

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>35</u> Date: <u>6/26/19</u>			
HAULER INFORMATION:		Time: <u>2:52 P.M.</u> Person Recording: <u>Judy</u>			
TYPE OF LOAD:		Company Name: <u>J. Anderson</u> Truck #:			
ORIGINATION OF TRUCK:		Residential: <input checked="" type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>			
MSW LOAD WEIGHT:		Service Area: <u>Beltrami Co.</u>			
		Incoming Truck Weight (#): <u>80,180</u> ^{lb}			
		Outgoing Truck Weight (#): <u>38,100</u> ^{lb}			
		Weight of MSW (#): <u>42,080</u> ^{lb}			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable Part of a Sent
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>5.8</u>			
2. Paper - Mixed Office (SOP)		<u>8.4</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>(4.6)</u>			
4. Paper - Compostable		<u>54.5 + (13.8) 41.2</u>	5 %	%	%
5. Cardboard - Corrugated (OCC)		<u>19.7 + (16.1) 35.8</u>			
6. Cardboard - Boxboard / Paperboard		<u>11.4</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.2</u>			
8. Cardboard - Other		<u>(12.1) 24.9</u>	%	%	%
9. Plastic #1 - PET		<u>13.2</u>			
10. Plastic #2 - HDPE		<u>10.6</u>			
11. Plastic #3 - PVC		<u>(4.9)</u>			
12. Plastic #5 - PP		<u>7.9</u>			
13. Plastic - Bags & Stretch Film		<u>41.3</u>			
14. Plastic - Other		<u>26.2</u>	5 %	%	%
15. Organics - Yard Waste		<u>7.3</u>			
16. Organics - Food Waste		<u>22.8 (12.1) 10.7</u>			
17. Organics - Other		<u>11.5</u>	90%	100 %	%
18. Textiles		<u>(13.4) + 9.7</u>			5%
19. Ferrous Metal - Cans		<u>6.1</u>			
20. Ferrous Metal - Other		<u>6.9</u>	%	%	95 %
21. Non-Ferrous Metal - UBC (Cans)		<u>7.8</u>			
22. Non-Ferrous Metal - Other		<u>7.3</u>	%	%	%
23. Glass		<u>7.0</u>	%	%	%
24. Inorganic Material			%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

35
 40
 75
 20
 95
 100
 48.6
 8.2
 30.4
 35
 28.1
 15.2
 1.2

J.T. Diapera

10.0

Load Information Form - Fractions

36

GENERAL INFORMATION:		Sample #: <u>36</u>	Date: <u>6/26/19</u>		
		Time: <u>2:52 P.M.</u>	Person Recording: <u>Judy</u>		
HAULER INFORMATION:		Company Name: <u>S. Anderson</u>		Truck #: <u>141</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>Beltrami Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>80,180^{lb}</u>			
		Outgoing Truck Weight (#): <u>38,100^{lb}</u>			
		Weight of MSW (#): <u>42,080^{lb}</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	<u>10.3</u> #	<u>11.5</u> #	#
1. Paper - Newsprint (ONP)		<u>8.4</u>			
2. Paper - Mixed Office (SOP)		<u>12.9</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>21.5</u>			
4. Paper - Compostable		<u>28.4</u> 31.6	<u>10</u> %	%	%
5. Cardboard - Corrugated (OCC)		<u>18.5</u>			
6. Cardboard - Boxboard / Paperboard		<u>13.0</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>0.0</u>			
8. Cardboard - Other		<u>17.4</u>	%	%	%
9. Plastic #1 - PET		<u>13.2</u>			
10. Plastic #2 - HDPE		<u>9.5</u>			
11. Plastic #3 - PVC		<u>—</u>			
12. Plastic #5 - PP		<u>6.3</u>			
13. Plastic - Bags & Stretch Film		<u>33.2</u>			
14. Plastic - Other		<u>17.1</u>	%	%	%
15. Organics - Yard Waste		<u>5.9</u>			
16. Organics - Food Waste		<u>15.5</u> 16.6			
17. Organics - Other		<u>19.1</u>	<u>90</u> %	<u>160</u> %	%
18. Textiles		<u>15.8</u>			
19. Ferrous Metal - Cans		<u>—</u>			
20. Ferrous Metal - Other		<u>5.8</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>8.0</u>			
22. Non-Ferrous Metal - Other		<u>5.3</u>	%	%	%
23. Glass		<u>0.0</u>	%	%	%
24. Inorganic Material		<u>6.4</u>	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>0.2</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

33) Diapers

6.6 21

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>37</u> Date: <u>6/26/19</u>		
		Time: <u>2:52 P.M.</u> Person Recording: <u>Jelly</u>		
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #: <u>4610</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>Belltrami Co.</u>		
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>80,180</u> #		
		Outgoing Truck Weight (#): <u>38,100</u> #		
		Weight of MSW (#): <u>42,080</u> #		
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>6.0</u>			
2. Paper - Mixed Office (SOP)	<u>16.5</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>5.7</u>			
4. Paper - Compostable	<u>30.6 + 42.1</u>	<u>85</u> %	%	%
5. Cardboard - Corrugated (OCC)	<u>6.7 + 17.3</u>			
6. Cardboard - Boxboard / Paperboard	<u>15.2</u>			
7. Cardboard - Cartons Gable Top & Aseptic	<u>6.5</u>			
8. Cardboard - Other	<u>12.6 + 16.3</u>	%	%	%
9. Plastic #1 - PET	<u>13.2</u>			
10. Plastic #2 - HDPE	<u>9.3</u>			
11. Plastic #3 - PVC	<u>—</u>			
12. Plastic #5 - PP	<u>5.4</u>			
13. Plastic - Bags & Stretch Film	<u>36.1</u>			
14. Plastic - Other	<u>23.1</u>	<u>5</u> %	%	%
15. Organics - Yard Waste	<u>0.5</u>			
16. Organics - Food Waste <u>3.5 +</u>	<u>22.5 + 19.0</u>			
17. Organics - Other	<u>10.6</u>	%	<u>90</u> %	%
18. Textiles	<u>13.4 + 11.2</u>			
19. Ferrous Metal - Cans	<u>6.0</u>			
20. Ferrous Metal - Other	<u>6.5</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>—</u>			
22. Non-Ferrous Metal - Other	<u>6.6 + 9.4</u>	%	%	%
23. Glass	<u>6.2</u>	%	%	%
24. Inorganic Material	<u>11.4</u>	<u>10</u> %	<u>10</u> %	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

33.) Diapers

6.9

Load Information Form - Fractions

38

GENERAL INFORMATION:		Sample #: <u>38</u>	Date: <u>6/27/19</u>		
		Time: <u>6:48 A.M.</u>	Person Recording: <u>July</u>		
HAULER INFORMATION:		Company Name: <u>Anderson</u> Truck #: <u>169</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>Jabland Co</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>76,380</u>			
		Outgoing Truck Weight (#): <u>37,060</u>			
		Weight of MSW (#): <u>39,320</u>			
WASTE COMP., INFORMATION: <i>Lots of mixed paper in this load. DRY</i>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		(0.1)			
2. Paper - Mixed Office <u>35.2 + 32.8</u>		31.1 <u>20.9</u>	NO		
3. Paper - Other (Magazines, Books, etc.)		(0.3)			
4. Paper - Compostable <u>20.8</u>		20.8 <u>20.8</u>	100 %	%	%
5. Cardboard - Corrugated (OCC)		22.8			
6. Cardboard - Boxboard / Paperboard		11.6			
7. Cardboard - Cartons Gable Top & Aseptic		(0.1)			
8. Cardboard - Other		39.5	%	%	%
9. Plastic #1 - PET		10.5			
10. Plastic #2 - HDPE		9.6			
11. Plastic #3 - PVC		—			
12. Plastic #5 - PP		5.3			
13. Plastic - Bags & Stretch Film		10.0 <u>21.9</u>			
14. Plastic - Other		13.1	%	%	%
15. Organics - Yard Waste		(24.9)			
16. Organics - Food Waste		7.7			
17. Organics - Other		12.7	%	60 %	%
18. Textiles		14.6			
19. Ferrous Metal - Cans		5.8			
20. Ferrous Metal - Other		5.9	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		6.3			
22. Non-Ferrous Metal - Other		5.4	%	%	%
23. Glass		6.0	%	%	%
24. Inorganic Material		(0.1)	%	40 %	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

32.8
 6.0
 31.1
 21.9
 6.0
 24.9
 20

35
 48.2
 15.3
 24.9

Diapers

9.1

39

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>39</u>	Date: <u>6/27/19</u>		
		Time: <u>6:48 AM</u>	Person Recording: <u>Grady</u>		
HAULER INFORMATION:		Company Name: <u>L. Anderson</u> Truck #: <u>168</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>Hulbeard Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>46,380 #</u>			
		Outgoing Truck Weight (#): <u>37,060 #</u>			
		Weight of MSW (#): <u>39,320</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>8.1</u>			
2. Paper - Mixed Office (SOP)		<u>24.0 + 11.7</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>9.1</u>			
4. Paper - Compostable		<u>40.1 + 26.8</u>	%	%	%
5. Cardboard - Corrugated (OCC)		<u>25.4</u>			
6. Cardboard - Boxboard / Paperboard		<u>13.6</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.0</u>			
8. Cardboard - Other		<u>24.9</u>	%	%	%
9. Plastic #1 - PET		<u>11.1</u>			
10. Plastic #2 - HDPE		<u>10.3</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>7.2</u>			
13. Plastic - Bags & Stretch Film		<u>37.2</u>			
14. Plastic - Other		<u>16.2 + 14.7 + 8.9</u>	%	%	%
15. Organics - Yard Waste		<u>10.1</u>			
16. Organics - Food Waste		<u>8.3 + 15.0</u>			
17. Organics - Other		<u>9.3</u>	%	%	%
18. Textiles		<u>20.6</u>			<u>10%</u>
19. Ferrous Metal - Cans		<u>7.6</u>			
20. Ferrous Metal - Other		<u>9.8</u>	%	%	<u>90%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.7</u>			
22. Non-Ferrous Metal - Other		<u>5.6</u>	%	%	%
23. Glass		<u>6.2</u>	%	%	%
24. Inorganic Material		<u>10.4</u>	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

60
35
95
60
155

73
14.4
5.2
81.9

15.6

40

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>40</u>	Date: <u>6/27/19</u>		
		Time: <u>6:48 AM</u>	Person Recording: <u>[Signature]</u>		
HAULER INFORMATION:		Company Name: <u>L. Hudson</u>	Truck #: <u>1680</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>Hubbard Co.</u>			
MSW LOAD WEIGHT:		Incoming Truck Weight (#): <u>76,380[#]</u>			
		Outgoing Truck Weight (#): <u>37,060[#]</u>			
		Weight of MSW (#): <u>39,320[#]</u>			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		<u>16.8</u>			
2. Paper - Mixed Office (SOP)		<u>29.5 + 20.6</u>			
3. Paper - Other (Magazines, Books, etc.)		<u>8.8</u>			
4. Paper - Compostable		<u>21.3 + 24.7</u>	<u>5 %</u>	<u>%</u>	<u>%</u>
5. Cardboard - Corrugated (OCC)		<u>22.1</u>			
6. Cardboard - Boxboard / Paperboard		<u>10.3</u>			
7. Cardboard - Cartons Gable Top & Aseptic		<u>6.0</u>			
8. Cardboard - Other		<u>38.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
9. Plastic #1 - PET		<u>11.1</u>			
10. Plastic #2 - HDPE		<u>10.7</u>			
11. Plastic #3 - PVC					
12. Plastic #5 - PP		<u>5.5</u>			
13. Plastic - Bags & Stretch Film		<u>26.8</u>			
14. Plastic - Other		<u>27.1</u>	<u>%</u>	<u>%</u>	<u>%</u>
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>7.9 + 13.4</u>			
17. Organics - Other		<u>8.6</u>	<u>95 %</u>	<u>100 %</u>	<u>%</u>
18. Textiles		<u>34.7</u>			
19. Ferrous Metal - Cans		<u>7.6</u>			
20. Ferrous Metal - Other		<u>6.4</u>	<u>%</u>	<u>%</u>	<u>%</u>
21. Non-Ferrous Metal - UBC (Cans)		<u>7.2</u>			
22. Non-Ferrous Metal - Other		<u>7.4</u>	<u>%</u>	<u>%</u>	<u>%</u>
23. Glass		<u>6.5</u>	<u>%</u>	<u>%</u>	<u>%</u>
24. Inorganic Material		<u>12.7</u>	<u>%</u>	<u>%</u>	<u>%</u>
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>0.3</u>			
28. Household Hazardous Waste - General		<u>0.1</u>			
29. Household Hazardous Waste - Batteries		<u>0.2</u>			
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			<u>%</u>	<u>%</u>	<u>%</u>

54.0
 3.5
 36.0
 6.5
 29.5

37.8

13.8

Appendix F

Field Data Sheets Processed MSW

- 1.) Most of the bags "unopened"
had ~~a~~ or more diapers in.
- 2.) Top fines were mostly paper
- 3.) Very little glass
- 4.) Other material
wood, and dry

Full Sort

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <i>41</i>	Date: <i>6/27/19</i>		
		Time:	Person Recording: <i>gray</i>		
HAULER INFORMATION:		Company Name:	Truck #:		
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>		
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION: <i>5 unopened bags</i>		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #	GROSS WEIGHT Bottom Fines #	Non-Separable #
1. Paper - Newsprint (ONP) 20.0		<i>9.0 + 11.5</i>			
2. Paper - Mixed Office (SOP)		<i>13.9</i>			
3. Paper - Other (Magazines, Books, etc.)		<i>13.0</i>			
4. Paper - Compostable		<i>26.0 + 24.4</i>	%	%	%
5. Cardboard - Corrugated (OCC)		<i>18.2 + 32.2</i>			
6. Cardboard - Boxboard / Paperboard		<i>15.8</i>			
7. Cardboard - Cartons Gable Top & Aseptic		<i>5.5</i>			
8. Cardboard - Other		<i>26.1</i>	%	%	%
9. Plastic #1 - PET		<i>10.2</i>			
10. Plastic #2 - HDPE		<i>10.7</i>			
11. Plastic #3 - PVC		<i>-</i>			
12. Plastic #5 - PP		<i>5.9</i>			
13. Plastic - Bags & Stretch Film		<i>22.8 + 35.6</i>			
14. Plastic - Other		<i>16.3 + 20.1</i>	%	%	%
15. Organics - Yard Waste		<i>7.2</i>			
16. Organics - Food Waste		<i>7.7 + 32.5</i>			
17. Organics - Other		<i>15.6</i>	%	%	%
18. Textiles		<i>2.2</i>			
19. Ferrous Metal - Cans		<i>5.8</i>			
20. Ferrous Metal - Other		<i>5.6</i>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<i>7.4</i>			
22. Non-Ferrous Metal - Other		<i>5.8</i>	%	%	%
23. Glass		<i>7.0</i>	%	%	%
24. Inorganic Material		<i>7.6</i>	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<i>2.1</i>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

41

33) Diapers

25.4

Load Information Form - Fractions

42

GENERAL INFORMATION:		Sample #: <u>42</u>		Date: <u>6/27/19</u>	
		Time:		Person Recording: <u>Quay</u>	
HAULER INFORMATION:		Company Name:		Truck #:	
TYPE OF LOAD:		Residential: <input type="checkbox"/>		Industrial: <input type="checkbox"/>	
		Commercial: <input type="checkbox"/>		Mixed: <input type="checkbox"/>	
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#): <u>TARE 8.8</u> <u>TARE 8.8</u>			
WASTE COMP. INFORMATION: <u>2 Unopened Bags</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	<u>16.3</u> #	<u>11.3</u> #	#
15.6	1. Paper - Newspaper (ONP)	<u>29.8</u>			
	2. Paper - Mixed Office (SOP)	<u>61.1</u>			
	3. Paper - Other (Magazines, Books, etc.)	<u>44.0</u>			
	4. Paper - Compostable	<u>24.6</u>	%	%	%
15.9	5. Cardboard - Corrugated (OCC)	<u>26.0</u>			
	6. Cardboard - Boxboard/Paperboard				
	7. Cardboard - Cartons Gable Top & Aseptic				
	8. Cardboard - Other		%	%	%
8.6	9. Plastic #1 - PET	<u>10.8</u>			
8.5	10. Plastic #2 - HDPE	<u>10.0</u>			
	11. Plastic #3 - PVC	<u>33.9</u>			
15.6	12. Plastic #5 - PP	<u>23.4</u>			
	13. Plastic - Bags & Stretch Film	<u>28.9</u>			
	14. Plastic - Other	<u>(0.4)</u>	%	%	%
	15. Organics - Yard Waste				
1.5	16. Organics - Food Waste	<u>16.3</u>			
	17. Organics - Other		%	%	%
8.9	18. Textiles	<u>21.3</u>			
5.5	19. Ferrous Metal - Cans	<u>6.2</u>			
5.5	20. Ferrous Metal - Other	<u>6.6</u>	%	%	%
5.7	21. Non-Ferrous Metal - UBC (Cans)	<u>8.0</u>			
	22. Non-Ferrous Metal - Other		%	%	%
5.3	23. Glass	<u>6.1</u>	%	%	%
5.7	24. Inorganic Material	<u>9.4</u>	%	%	%
	25. Electronics - Regulated (Video Screens)				
	26. Electronics - Non-Reg (Circuit Boards)				
	27. Electronics - Small Appliances				
	28. Household Hazardous Waste - General				
	29. Household Hazardous Waste - Batteries				
	30. Problem Wastes (Car Seats, etc.)				
	31. Special Wastes (Tires, etc.)				
	32. Solid Wastes Containing Mercury		%	%	%

5.4- 33. Drapers

16.5 21

7.6

Load Information Form - Fractions

43

GENERAL INFORMATION:		Sample #: 43	Date: 6/27/10
		Time:	Person Recording: Jedy
HAULER INFORMATION:		Company Name:	Truck #:
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:	
MSW LOAD WEIGHT:		Incoming Truck Weight (#):	
		Outgoing Truck Weight (#):	
		Weight of MSW (#): TARE 8.8	TARE 8.8
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines
5 Bags Compressed		GROSS WEIGHT Bottom Fines	Non-Separable
		#	#
		10.8	10.5
1. Paper - Newsprint (ONP)		49.2 + 33.6	
2. Paper - Mixed Office (SOP)		44.5	
3. Paper - Other (Magazines, Books, etc.)		23.0	
4. Paper - Compostable		40.6	%
5. Cardboard - Corrugated (OCC)		22.1 + 19.6	
6. Cardboard - Boxboard / Paperboard			
7. Cardboard - Cartons Gable Top & Aseptic			
8. Cardboard - Other			%
9. Plastic #1 - PET		10.5	
10. Plastic #2 - HDPE		9.7	
11. Plastic #3 - PVC		29.8	
12. Plastic #5 - PP		26.1	
13. Plastic - Bags & Stretch Film		20.5	
14. Plastic - Other			%
15. Organics - Yard Waste			
16. Organics - Food Waste		14.7	
17. Organics - Other			%
18. Textiles		24.2	
19. Ferrous Metal - Cans		5.7	
20. Ferrous Metal - Other		6.0	%
21. Non-Ferrous Metal - UBC (Cans)		7.4	
22. Non-Ferrous Metal - Other			%
23. Glass		5.4	%
24. Inorganic Material Other		8.0	%
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances		(10)	
28. Household Hazardous Waste - General			
29. Household Hazardous Waste - Batteries			
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			%

TARE 24.2

15.6

15.9

8.6

8.5

15.6

1.5

8.9

5.5

5.5

5.7

5.3

5.7

5.4 - 33. Diapers

12.5

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: 44	Date: 6/27/19
		Time:	Person Recording: Judy
HAULER INFORMATION:		Company Name:	Truck #: 44
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:	
MSW LOAD WEIGHT:		Incoming Truck Weight (#):	
4		Outgoing Truck Weight (#):	
		Weight of MSW (#): TARE 8.8 TARE 8.8	
WASTE COMP. INFORMATION: 4 unopened Bags		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #
			GROSS WEIGHT Bottom Fines #
			Non-Separable #
1. Paper - Newsprint (ONP)		56.1	
2. Paper - Mixed Office (SOP)		48.3	
3. Paper - Other (Magazines, Books, etc.)		35.0	
4. Paper - Compostable		36.8	
5. Cardboard - Corrugated (OCC) Paper		27.5 OCC	
6. Cardboard - Boxboard / Paperboard Paper			
7. Cardboard - Cartons Gable Top & Assembled Paper			
8. Cardboard - Other Paper			
9. Plastic #1 - PET		10.2	
10. Plastic #2 - HDPE		11.2	
11. Plastic #3 - PVC		27.7	
12. Plastic #5 - PP		29.8	
13. Plastic - Bags & Stretch Film		25.9 + 21.0	
14. Plastic - Other		(0.4)	
15. Organics - Yard Waste			
16. Organics - Food Waste		8.5	
17. Organics - Other			
18. Textiles		24.1	
19. Ferrous Metal - Cans		5.9	
20. Ferrous Metal - Other		8.4	
21. Non-Ferrous Metal - UBC (Cans)		7.9	
22. Non-Ferrous Metal - Other			
23. Glass		5.6	
24. Inorganic Material OTHER		8.6	
25. Electronics - Regulated (Video Screens)			
26. Electronics - Non-Reg (Circuit Boards)			
27. Electronics - Small Appliances			
28. Household Hazardous Waste - General		(0.4)	
29. Household Hazardous Waste - Batteries			
30. Problem Wastes (Car Seats, etc.)			
31. Special Wastes (Tires, etc.)			
32. Solid Wastes Containing Mercury			

15.6
15.9
8.6
8.5
15.6
1.5
8.9
5.5
5.5
5.7
5.7
5.7

44
58
POP
CANS
3
Ferro
Food
Cans

5.4 - 33 Diapers

14.8 21

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>45</u>	Date: <u>6/27/19</u>		
	Time:	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION: <u>8 Bags unopened</u>	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>54.5 + 22.2</u>			
2. Paper - Mixed Office (SOP)	<u>46.7</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>47.0</u>			
4. Paper - Compostable	<u>43.8</u>	%	%	%
5. Cardboard - Corrugated (OCC)	<u>19.1 OCC</u>			
6. Cardboard - Boxboard / Paperboard				
7. Cardboard - Cartons Gable Top & Aseptic				
8. Cardboard - Other		%	%	%
9. Plastic #1 - PET	<u>10.0</u>			
10. Plastic #2 - HDPE	<u>9.7</u>			
11. Plastic #3 - PVC	<u>26.7</u>			
12. Plastic #5 - PP	<u>25.2</u>			
13. Plastic - Bags & Stretch Film	<u>26.0</u>			
14. Plastic - Other		%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<u>10.9</u>			
17. Organics - Other		%	%	%
18. Textiles	<u>23.5</u>			
19. Ferrous Metal - Cans	<u>6.7</u>			
20. Ferrous Metal - Other	<u>7.5</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>7.3</u>			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass	<u>5.5</u>	%	%	%
24. Inorganic Material	<u>10.1</u>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

45

38
Pop
CANS

33 Diapers

16.9

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #:	Date:		
	Time:	Person Recording:		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION: <i>7 Unopened Bags</i>	GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #	GROSS WEIGHT Bottom Fines #	Non-Separable #
		<i>14.9</i>	<i>11.4</i>	
1. Paper - Newsprint (ONP)	<i>41.1</i>			
2. Paper - Mixed Office (SOP)	<i>41.7</i>			
3. Paper - Other (Magazines, Books, etc.)	<i>45.2</i>			
4. Paper - Compostable		%	%	%
5. Cardboard - Corrugated (OCC)	<i>27.0</i>			
6. Cardboard - Boxboard / Paperboard	30.4 <i>32.4</i>			
7. Cardboard - Cartons Gable Top & Plastic				
8. Cardboard - Other <i>PRP</i>		%	%	%
9. Plastic #1 - PET	<i>11.1</i>			
10. Plastic #2 - HDPE	<i>10.3</i>			
11. Plastic #3 - PVC	<i>37.1</i>			
12. Plastic #5 - RP	<i>26.5</i>			
13. Plastic - Bags & Stretch Film	<i>22.5</i>			
14. Plastic - Other	<i>21.4</i>	%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<i>10.3</i>			
17. Organics - Other		%	%	%
18. Textiles	<i>25.2</i>			
19. Ferrous Metal - Cans	<i>0.1</i>			
20. Ferrous Metal - Other	<i>7.7</i>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<i>7.1</i>			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass	<i>5.5</i>	%	%	%
24. Other <i>inorganic</i> Material	<i>9.0</i>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

46

30
Pap
Cans

3
Ferrous
Metal
Cans

33) Debris

11.3

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>47</u>	Date: <u>6/27/19</u>		
	Time:	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>		
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT: <u>3 unopened bags</u>	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newspaper (ONP)	<u>57.3</u>			
2. Paper - Mixed Office (SOP)	<u>58.1</u>			
3. Paper - Other (Magazines, Books, etc.)	<u>27.4</u>			
4. Paper - Compostable	<u>30.3</u>	%	%	%
5. Cardboard - Corrugated (OCC)	<u>22.6</u>			
6. Cardboard - Boxboard / Paperboard	<u>paper</u>			
7. Cardboard - Cartons Gable Top & Flat	<u>paper</u>			
8. Cardboard - Other	<u>paper</u>	%	%	%
9. Plastic #1 - PET	<u>11.4</u>			
10. Plastic #2 - HDPE	<u>10.7</u>			
11. Plastic #3 - PVC	<u>38.5</u>			
12. Plastic #5 - PP	<u>18.6</u>			
13. Plastic - Bags & Stretch Film	<u>29.5</u>			
14. Plastic - Other		%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<u>3.2</u>			
17. Organics - Other		%	%	%
18. Textiles	<u>23.8</u>			
19. Ferrous Metal - Cans	<u>5.9</u>			
20. Ferrous Metal - Other	<u>7.3</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>7.3</u>			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass	<u>5.6</u>	%	%	%
24. Inorganic Material	<u>7.7</u>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>1.9</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

47

37
Pop
Cans

2
Food
Pans

33 Diapers

16.7 21

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: 48	Date: 6/27/19		
		Time:	Person Recording: Judy		
HAULER INFORMATION:		Company Name:		Truck #:	
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION:		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
Unopened Bags		#	#	#	#
5			18.6	11.5	
1. Paper - Newsprint (ONP)		50.3			
2. Paper - Mixed Office (SOP)		80.7			
3. Paper - Other (Magazines, Books, etc.)					
4. Paper - Compostable			%	%	%
5. Cardboard - Corrugated (OCC)		20.7			
6. Cardboard - Boxboard / Paperboard					
7. Cardboard - Cartons Gable Top					
8. Cardboard - Other			%	%	%
9. Plastic #1 - PET		10.3			
10. Plastic #2 - HDPE		9.7			
11. Plastic #3 - PVC		33.6			
12. Plastic #5 - PP		27.4			
13. Plastic - Bags & Stretch Film					
14. Plastic - Other			%	%	%
15. Organics - Yard Waste					
16. Organics - Food Waste		7.2			
17. Organics - Other			%	%	%
18. Textiles		34.1			
19. Ferrous Metal - Cans		5.9			
20. Ferrous Metal - Other		8.8	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		2.7			
22. Non-Ferrous Metal - Other			%	%	%
23. Glass			%	%	%
24. Inorganic Material		11.6	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General		1 Mercury Cont. Bulb			
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

48

49
Top
Cans

2
ferrous
Iron

33) Diapers

20.7 21

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>49</u>	Date: <u>6/28/19</u>		
		Time:	Person Recording: <u>[Signature]</u>		
HAULER INFORMATION:		Company Name:	Truck #:		
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION: <u>5 Unopened Bags.</u>		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
		<u>15.7</u>	<u>10.9</u>		
1. Paper - Newsprint (ONP)		<u>77.6</u>			
2. Paper - Mixed Office (SOR)		<u>68.6</u>			
3. Paper - Other (Magazines, Books, etc.)					
4. Paper - Compostable			%	%	%
5. Cardboard - Corrugated (OCC)		<u>18.2</u>			
6. Cardboard - Boxboard / Paperboard <u>Paper</u>					
7. Cardboard - Cartons Gable Top & Asse <u>Paper</u>					
8. Cardboard - Other <u>Paper</u>			%	%	%
9. Plastic #1 - PET		<u>10.2</u>			
10. Plastic #2 - HDPE		<u>8.9</u>			
11. Plastic #3 - PVC		<u>40.0</u>			
12. Plastic #5 - PP		<u>32.5</u>			
13. Plastic - Bags & Stretch Film					
14. Plastic - Other			%	%	%
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>3.8</u>			
17. Organics - Other			%	%	%
18. Textiles		<u>35.3</u>			
19. Ferrous Metal - Cans		<u>5.8</u>			
20. Ferrous Metal - Other		<u>7.6</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>7.3</u>			
22. Non-Ferrous Metal - Other			%	%	%
23. Glass		<u>5.5</u>	%	%	%
24. Inorganic Material <u>other</u>		<u>10.0</u>	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		<u>(3.7)</u>			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

49

39
Pop
Can

2
fms
for
Can

33) Diapers

12.5

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>50</u>	Date: <u>6/28/19</u>		
	Time:	Person Recording:		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION: <u>6 unopened Bags</u>	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP) <u>paper</u>	<u>65.8</u>			
2. Paper - Mixed Office (SOP)	<u>49.5</u>			
3. Paper - Other (Magazines, Books, etc.)				
4. Paper - Compostable		%	%	%
5. Cardboard - Corrugated (OCC)	<u>30.0</u>			
6. Cardboard - Boxboard / Paperboard <u>paper</u>				
7. Cardboard - Cartons Gable Top & Assembled <u>paper</u>				
8. Cardboard - Other <u>paper</u>		%	%	%
9. Plastic #1 - PET	<u>16.7</u>			
10. Plastic #2 - HDPE	<u>9.8</u>			
11. Plastic #3 - PVC	<u>34.4</u>			
12. Plastic #5 - PP	<u>41.4</u>			
13. Plastic - Bags & Stretch Film	<u>35.0</u>			
14. Plastic - Other		%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<u>7.2</u>			
17. Organics - Other		%	%	%
18. Textiles	<u>18.6</u>			
19. Ferrous Metal - Cans	<u>7.2</u>			
20. Ferrous Metal - Other	<u>6.6</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>7.2</u>			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass		%	%	%
24. Inorganic Material <u>other</u>	<u>7.6</u>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

50

35
Pop
Can

5
ferrous
ferrous

33.7 Debris

20.1

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: 51	Date: 6/28/19		
	Time:	Person Recording: <i>Judey</i>		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION: <i>9 - Unopened Bag</i>	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<i>48.8</i>			
2. Paper - Mixed Office (SOP)	<i>46.8</i>			
3. Paper - Other (Magazines, Books, etc.)	<i>34.4</i>			
4. Paper - Compostable	<i>28.4</i>	%	%	%
5. Cardboard - Corrugated (OCC)	<i>22.6</i>			
6. Cardboard - Boxboard / Paperboard				
7. Cardboard - Cartons Gable Top & Aseptic				
8. Cardboard - Other		%	%	%
9. Plastic #1 - PET	<i>9.6</i>			
10. Plastic #2 - HDPE	<i>10.5</i>			
11. Plastic #3 - PVC	<i>33.2</i>			
12. Plastic #5 - PP	<i>35.5</i>			
13. Plastic - Bags & Stretch Film	<i>21.6</i>			
14. Plastic - Other	<i>20.9</i>	%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	<i>6.7</i>			
17. Organics - Other		%	%	%
18. Textiles	<i>23.9</i>			
19. Ferrous Metal - Cans	<i>6.2</i>			
20. Ferrous Metal - Other		%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<i>6.6</i>			
22. Non-Ferrous Metal - Other	<i>11.1</i>	%	%	%
23. Glass	<i>(0.1)</i>	%	%	%
24. Inorganic Material <i>Other</i>	<i>9.8</i>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

51

19

Paper
Cans

4
ferrous
foo

33.7 Diapers

27.4

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>52</u>	Date: <u>6/28</u>		
	Time:	Person Recording: <u>Judy</u>		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>		
	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>		
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION: <u>70 unseparated Bag</u>	GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines 15.6 #	GROSS WEIGHT Bottom Fines 10.6 #	Non-Separable #
1. Paper - Newsprint (ONP)	54.3			
2. Paper - Mixed Office (SOP)	53.1			
3. Paper - Other (Magazines, Books, etc.)	44.2			
4. Paper - Compostable		%	%	%
5. Cardboard - Corrugated (OCC)	21.2			
6. Cardboard - Boxboard / Paperboard				
7. Cardboard - Cartons Gable Top & Aseptic	0.0			
8. Cardboard - Other		%	%	%
9. Plastic #1 - PET	11.9			
10. Plastic #2 - HDPE	12.8			
11. Plastic #3 - PVC	33.5			
12. Plastic #5 - PP				
13. Plastic - Bags & Stretch Film				
14. Plastic - Other		%	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste	5.6			
17. Organics - Other		%	%	%
18. Textiles	34.3			
19. Ferrous Metal - Cans	10.6			
20. Ferrous Metal - Other	8.1	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	6.8			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass		%	%	%
24. Inorganic Material <u>other</u>	12.2	%	%	%
25. Electronics - Regulated (Video Screens)	0.1			
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries	2 AP			
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

52

20
Pop
Can.

4
Cans
for

Load Information Form - Fractions

GENERAL INFORMATION:		Sample #: <u>53</u>	Date: <u>6/28/19</u>	
		Time:	Person Recording: <u>Judy</u>	
HAULER INFORMATION:		Company Name:		Truck #:
TYPE OF LOAD:		Residential: <input type="checkbox"/> Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>		
ORIGINATION OF TRUCK:		Service Area:		
MSW LOAD WEIGHT:		Incoming Truck Weight (#):		
		Outgoing Truck Weight (#):		
		Weight of MSW (#):		
WASTE COMP. INFORMATION: <u>6 unopened Bag</u>		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #	GROSS WEIGHT Bottom Fines #
			<u>23.3</u>	<u>12.4</u>
1. Paper - Newsprint (ONP)		<u>49.1</u>		
2. Paper - Mixed Office (SOP)		<u>48.1</u>		
3. Paper - Other (Magazines, Books, etc.)		<u>19.6</u>		
4. Paper - Compostable		<u>22.3</u>	%	%
5. Cardboard - Corrugated (OCC)		<u>21.3</u>		
6. Cardboard - Boxboard / Paperboard				
7. Cardboard - Cartons - Gable Top & Aseptic				
8. Cardboard - Other			%	%
9. Plastic #1 - PET		<u>11.4</u>		
10. Plastic #2 - HDPE		<u>9.4</u>		
11. Plastic #3 - PVC		<u>36.1</u>		
12. Plastic #5 - PP		<u>31.6</u>		
13. Plastic - Bags & Stretch Film		<u>22.2</u>		
14. Plastic - Other		<u>21.2</u>	%	%
15. Organics - Yard Waste				
16. Organics - Food Waste		<u>4.7</u>		
17. Organics - Other			%	%
18. Textiles		<u>23.2 + 26.0</u>		
19. Ferrous Metal - Cans		<u>6.2</u>		
20. Ferrous Metal - Other		<u>8.0</u>	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>7.6</u>		
22. Non-Ferrous Metal - Other			%	%
23. Glass		<u>5.5</u>	%	%
24. Inorganic Material		<u>11.9</u>	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances				
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries		<u>1 AA</u>		
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury			%	%

31.4
8.2
23.2

2
3
5
15
11

53

39
Pop
Cans

4
Jura
fou

37 Diapers

15.5

Load Information Form - Fractions

GENERAL INFORMATION:	Sample #: <u>54</u>	Date: <u>6/28/19</u>		
	Time:	Person Recording: <u>Judge</u>		
HAULER INFORMATION:	Company Name:	Truck #:		
TYPE OF LOAD:	Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/> Commercial: <input type="checkbox"/> Mixed: <input type="checkbox"/>		
ORIGINATION OF TRUCK:	Service Area:			
MSW LOAD WEIGHT:	Incoming Truck Weight (#):			
	Outgoing Truck Weight (#):			
	Weight of MSW (#):			
WASTE COMP. INFORMATION:	GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
	#	#	#	#
1. Paper - Newsprint (ONP)	<u>66.2</u>			
2. Paper - Mixed Office (SOP)	<u>56.9</u>			
3. Paper - Other (Magazines, Books, etc.)		%	%	%
4. Paper - Compostable				
5. Cardboard - Corrugated (OCC) <u>OCC</u>	<u>77.1</u> <u>OCC</u>			
6. Cardboard - Boxboard / Paperboard <u>OB</u>				
7. Cardboard - Cartons Gable Top & Aseptic		%	%	%
8. Cardboard - Other				
9. Plastic #1 - PET	<u>12.4</u>			
10. Plastic #2 - HDPE	<u>9.1</u>			
11. Plastic #3 - PVC	<u>44.4</u>			
12. Plastic #5 - PP	<u>31.5</u>			
13. Plastic - Bags & Stretch Film		%	%	%
14. Plastic - Other				
15. Organics - Yard Waste				
16. Organics - Food Waste	<u>4.2</u>	%	%	%
17. Organics - Other				
18. Textiles	<u>41.2</u>			
19. Ferrous Metal - Cans	<u>7.4</u>			
20. Ferrous Metal - Other	<u>7.3</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)	<u>6.8</u>			
22. Non-Ferrous Metal - Other		%	%	%
23. Glass	<u>5.8</u>	%	%	%
24. Inorganic Material <u>Other</u>	<u>13.0</u>	%	%	%
25. Electronics - Regulated (Video Screens)				
26. Electronics - Non-Reg (Circuit Boards)				
27. Electronics - Small Appliances	<u>0.1</u>			
28. Household Hazardous Waste - General				
29. Household Hazardous Waste - Batteries				
30. Problem Wastes (Car Seats, etc.)				
31. Special Wastes (Tires, etc.)				
32. Solid Wastes Containing Mercury		%	%	%

54

46

POP

CANK

5

Fello

Zoo

33.7 Dimpers

21.4

Load Information Form - Fractions

55

GENERAL INFORMATION:		Sample #: <u>55</u>	Date: <u>6/28/19</u>		
		Time:	Person Recording: <u>Judge</u>		
HAULER INFORMATION:		Company Name:	Truck #:		
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT:		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION: <u>5 Unopened Bags</u>		GROSS WEIGHT Fractions #	GROSS WEIGHT Top Fines #	GROSS WEIGHT Bottom Fines #	Non-Separable #
		<u>13.6</u>	<u>11.2</u>		
1. Paper - Newsprint (ONP)		<u>37.2</u>			
2. Paper - Mixed Office (SOP)		<u>45.9</u>			
3. Paper - Other (Magazines, Books, etc.)					
4. Paper - Compostable			%	%	%
5. Cardboard - Corrugated (OCC)		<u>30.2</u>			
6. Cardboard - Boxboard / Paperboard					
7. Cardboard - Cartons Gable Top & Aseptic					
8. Cardboard - Other			%	%	%
9. Plastic #1 - PET		<u>9.8</u>			
10. Plastic #2 - HDPE		<u>9.7</u>			
11. Plastic #3 - PVC		<u>53.1</u>			
12. Plastic #5 - PP		<u>39.8</u>			
13. Plastic - Bags & Stretch Film		<u>25.8</u>			
14. Plastic - Other			%	%	%
15. Organics - Yard Waste					
16. Organics - Food Waste		<u>5.2</u>			
17. Organics - Other			%	%	%
18. Textiles		<u>36.3</u>			
19. Ferrous Metal - Cans		<u>5.7</u>			
20. Ferrous Metal - Other		<u>8.5</u>	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		<u>6.8</u>			
22. Non-Ferrous Metal - Other			%	%	%
23. Glass		<u>6.8</u>	%	%	%
24. Inorganic Material <u>other</u>		<u>14.8</u>	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances					
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries					
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

25
Pop
Can.
2
Hubs
Food
Cans

33) Diapers

15.9

Load Information Form - Fractions

56

GENERAL INFORMATION:		Sample #: 56	Date: 6/28/19		
		Time:	Person Recording: Judy		
HAULER INFORMATION:		Company Name:		Truck #:	
TYPE OF LOAD:		Residential: <input type="checkbox"/>	Industrial: <input type="checkbox"/>	Commercial: <input type="checkbox"/>	Mixed: <input type="checkbox"/>
ORIGINATION OF TRUCK:		Service Area:			
MSW LOAD WEIGHT: 3 unopened Bags		Incoming Truck Weight (#):			
		Outgoing Truck Weight (#):			
		Weight of MSW (#):			
WASTE COMP. INFORMATION: unopened Bag		GROSS WEIGHT Fractions	GROSS WEIGHT Top Fines	GROSS WEIGHT Bottom Fines	Non-Separable
		#	#	#	#
1. Paper - Newsprint (ONP)		62.5			
2. Paper - Mixed Office (SOP)		53.8			
3. Paper - Other (Magazines, Books, etc.)					
4. Paper - Compostable			%	%	%
5. Cardboard - Corrugated (OCC)		19.6			
6. Cardboard - Boxboard / Paperboard		7			
7. Cardboard - Cartons Gable Top & Aseptic					
8. Cardboard - Other			%	%	%
9. Plastic #1 - PET		12.3			
10. Plastic #2 - HDPE		10.1			
11. Plastic #3 - PVC		38.7			
12. Plastic #5 - PP		41.7			
13. Plastic - Bags & Stretch Film		17.6			
14. Plastic - Other			%	%	%
15. Organics - Yard Waste					
16. Organics - Food Waste		5.5			
17. Organics - Other			%	%	%
18. Textiles		35.2			
19. Ferrous Metal - Cans		6.4			
20. Ferrous Metal - Other		8.7	%	%	%
21. Non-Ferrous Metal - UBC (Cans)		7.4			
22. Non-Ferrous Metal - Other			%	%	%
23. Glass		5.4	%	%	%
24. Inorganic Material other		14.7	%	%	%
25. Electronics - Regulated (Video Screens)					
26. Electronics - Non-Reg (Circuit Boards)					
27. Electronics - Small Appliances		0.7			
28. Household Hazardous Waste - General					
29. Household Hazardous Waste - Batteries		4 Batteries	0.2		
30. Problem Wastes (Car Seats, etc.)					
31. Special Wastes (Tires, etc.)					
32. Solid Wastes Containing Mercury			%	%	%

42
Pop
Can

7
Ferrous
Iron
Can

33) Diapers

16.2