IOWA DEPARTMENT OF NATURAL RESOURCES IOWA SOLID WASTE CHARACTERIZATION TABLE OF CONTENTS

LETTER OF TRANSMITTAL

TABLE OF CONTENTS

EXECUTIVE SUMMARY	E-1
STUDY OBJECTIVES	
METHODÓLOGY	
RESULTS	
NON-PARTICIPATING FACILITIES CHARACTERIZATION	
METHODOLOGY	E-5
SECTION 1 MASTE CHARACTERIZATION FIELD CORTS	
SECTION 1 WASTE CHARACTERIZATION FIELD SORTS	
INTRODUCTION	
METHODOLOGY	•
Material Definitions	
Pre-Sort Site Assessment	
Waste Sort Protocol	
Conduct Waste Sorts	
Review Collected Data	
Statistical Modeling	
RESULTS	
Introduction	
Overall Results - Spring and Fall Sorts	
Fall 1997 Results	
Spring 1998 Results	
CONCLUSIONS AND RECOMMENDATIONS	1-14
SECTION 2 STATEWIDE CHARACTERIZATION	2-1
INTRODUCTION	2-1
METHODOLOGY	2-1
Review of Existing Data	2-1
Aggregate Data	
Solid Waste Characterization	
Application of Disposal Tonnages	
Comparison of Waste Characterizations	
Identification of Materials for Additional Recovery	
,	

SECTION	STREAMS FOR NON-PARTICIPATING SOLID WASTE
OBJEC	FACILITIES3-1 TIVE
VARIA	BLES IMPACTING THE SOLID WASTE STREAM
DESCR	RIPTION OF METHODOLOGY3-2
Gen	eral Methodology3-2
Back	ground Information for the Methodology
RESUL	CATION OF METHODOLOGY
CONC	3-11 LUSIONS
TABLES	
EXECUTIVE	SUMMARY
Table 1 -	1998 Iowa Statewide MSW Characterization
SECTION 1	
Table 1 -	Waste Characterization Field Sorts - Overall Results
Table 2 -	Waste Characterization Field Sorts - Results by Generator Type
Table 3 -	Waste Characterization Field Sorts - Fall 1997 Results
Table 4 -	Waste Characterization Field Sorts - Fall 1997 Results by Generator Type
Table 5 -	Waste Characterization Field Sorts - Spring 1998 Results
Table 6 -	Waste Characterization Field Sorts - Spring 1998 Results by Generator Type
Table 7 -	Waste Characterization Field Sorts - Comparison of MSW Results
SECTION 2	
Table 1 -	Existing Iowa MSW Characterization Studies - Combined Generator Results
Table 2 -	Iowa State-wide Waste Composition
Table 3 -	1998 Iowa Statewide Solid Waste Characterization
Table 4 -	1998 Iowa Statewide MSW Characterization
Table 5 -	Comparison of Iowa Statewide MSW Characterization
SECTION 3	
Table 1 -	Characteristics of Participating Service Areas
Table 2 -	MSW and Solid Waste Composition Percentages for Sampled Sites
Table 3 -	Community X Comparison
Table 4 -	Sample Community Results

ii R. W. Beck, Inc.

IOWA DEPARTMENT OF NATURAL RESOURCES

APPENDIX

Appendix A - Waste Sort Categories

Appendix B - Two-Season Combined Results

Appendix C - 1997 Fall Results

Appendix D - 1998 Spring Results

This report has been prepared for the use of the client for the specific purposes identified in this report. The conclusions, observations and recommendations contained herein attributed to R. W. Beck, Inc. constitute the opinions of R. W. Beck, Inc. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, R. W. Beck, Inc. has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. R. W. Beck, Inc. makes no certification and gives no assurances except as explicitly set forth in this report.

Copyright 1998, R. W. Beck, Inc. All rights reserved.

STUDY OBJECTIVES

The primary objectives of the Iowa Solid Waste Characterization Study (Study) include the following:

- To develop a statewide waste characterization identifying the types and estimated quantities of solid waste disposed.
- To identify materials continuing to be disposed which present additional opportunities to meet Iowa's 50% waste reduction and recycling goal.

METHODOLOGY

A two season waste sort was conducted at five Iowa facility sites in the fall of 1997 and spring of 1998. The facilities included in the study were the following:

- Des Moines County Regional Solid Waste Landfill;
- South Central Iowa Regional Solid Waste Agency Landfill;
- Floyd-Mitchell County Solid Waste Agency Landfill;
- Monona County Solid Waste Transfer Station; and
- Iowa City Solid Waste Landfill.

Nearly 100,000 lbs. of materials composing more than 420 samples were sorted for the Study. The percentages for individual material categories were weighted based upon the actual tonnage received at each facility. The results of the two season waste sort were then combined with compatible existing waste composition data to develop a statewide waste characterization.

RESULTS

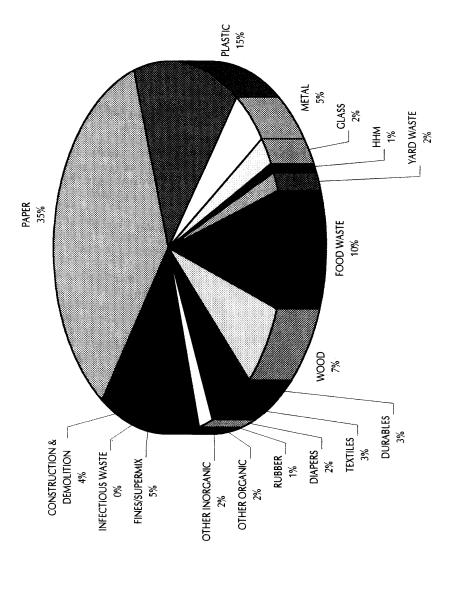
The Iowa statewide waste characterization is depicted in the table and figure below.

	TABLE 1		
1998 IOWA STATEWIDE			
DARER	PERCENTAG		FONNAGES
PAPER	35.1%	774,593	
Newspaper		1%	90,642
Magazines		5%	57,394
High Grade/ Office	1	2%	48,965
OCC and Kraft Bags	1	1%	207,7 89
Mixed Recyc Paper	5.2		115,591
Other Non-Recyclable Paper	10.		231,006
PLASTIC	15.1%	333,168	
#1 PET Containers	0.3		6,438
#1 PET Deposit	0.1	%	3,039
#2 HDPE Containers	1.0	%	22,590
All Other Numbered Containers	0.7	' %	15,619
Other Plastic Not Numbered	7.7	' %	169,513
Film/Wrap/Bags	5.7	%	125,196
METAL	5.1%	112,414	
Alum Non-Deposit Beverage Containers	0.1	%	2,252
Alum Deposit Beverage Containers	0.1	%	2,860
Ferrous Food	1.1	%	24,888
Other Ferrous Scrap	3.2	%	70,682
Other Non-Ferrous Scrap	0.6	%	12,879
GLASS	2.4%	53,652	
Clear	1.1	%	24,827
Green	0.1	%	1,355
Blue ⁵	0.0	%	108
Brown	0.1	%	2,575
Deposit Glass Containers	0.4	%	808,8
Other/Mixed Cullet	0.8	%	18,688
ННМ	0.7%	16,472	
Automotive Products	0.3	%	7,132
Paints and Solvents	0.1	%	2 <i>,7</i> 97
Pesticides, Herbicides & Fungicides	0.0	%	258
Household Cleaners	0.0	%	600
Batteries (lead -acid)	0.0		885
Batteries (other)	0.0	%	952
Other (HHM containers w/product	0.2	%	3,489
inside)			
YARD WASTE	1.8%	40,029	
Yard Waste	1.6	%	35,621
Pumpkins	0.3	%	7,364
FOOD WASTE	10.3%	226,597	
Food Waste	10.3	%	226,597

1998 IOWA STATEWIC	TABLE 1 E MSW CI	IARACT	ERIZATION ⁽⁾	ì
	PERCEN	VTAGES	Ton	NAGES
WOOD	7.1%		156,494	
Non-Treated Wood		3.1%		67,231
Treated Wood		4.0%		88,155
DURABLES	2.8%		60,468	
All Electrical and Household Appl.		1.3%		28,433
Other Durables		2.5%		53,513
TEXTILES	3.3%		73,669	
Textiles and Leather		3.3%	·	73,669
DIAPERS	2.1%		45,739	
Diapers		2.1%	ĺ	45 <i>,</i> 739
RUBBER	0.7%		15,002	
Rubber		0.7%		15,002
OTHER ORGANIC	2.4%		52,867	
Other Organic		2.4%		52,867
OTHER INORGANIC	1.8%		39,928	
Other Inorganic		1.8%		39,928
FINES/SUPERMIX	4.6%		100,873	
Fines/Supermix		4.6%		101,493
INFECTIOUS WASTE	0.2%		3,391	
Infectious Waste		0.2%		3,391
CONSTRUCTION & DEMOLITION	4.4%		98,058	
C&D		4.4%		98,058
TOTAL	100.0%		2,203,848	

⁽¹⁾ Calculated using weighted percentages from selected waste composition studies and FY 1998 reported disposal tonnages.

⁽²⁾ Numbers may not sum due to rounding.



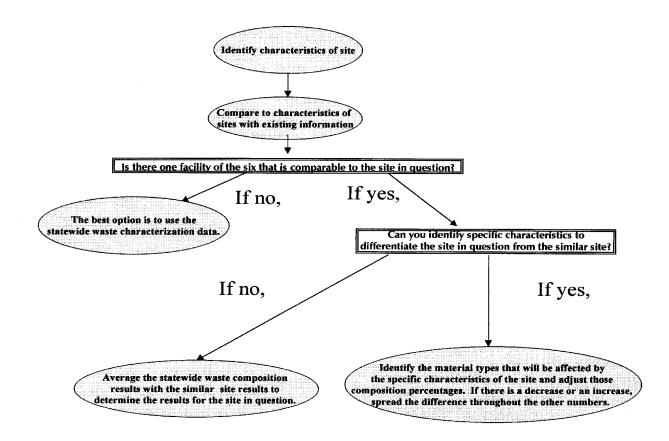
Opportunities for additional waste diversion include the following:

- OCC;
- mixed recyclable paper;
- food waste;
- wood; and
- textiles.

Further assessment of the materials composing "other plastic", "film/wrap/bags", and "construction and demolition" categories should be conducted to determine materials recovery potential.

NON-PARTICIPATING FACILITIES CHARACTERIZATION METHODOLOGY

Because facilities not participating in the waste sorts have need to characterize their individual waste streams, a methodology was developed using a set of solid waste planning variables. The recommended approach is depicted in the following flow diagram.



Section 1 WASTE CHARACTERIZATION FIELD SORTS

INTRODUCTION

This section includes a description of the characterization methodology, a discussion of the applicable statistical interpretation, and the results of the two-season waste characterization sorting events used in completing the Iowa Solid Waste Characterization Study (Study).

METHODOLOGY

The methodology used by R. W. Beck, Inc. (R. W. Beck) to conduct the sorting events at each of the sites included the following steps:

- confirmed material definitions;
- conducted pre-sort site assessments;
- defined waste sort protocol;
- conducted waste sorts;
- reviewed collected data; and
- used a statistical model to develop composition results.

Each step is critical to developing a representative waste characterization for individual facility sites and statewide.

MATERIAL DEFINITIONS

The material categories selected for this Study were based upon discussions with the Iowa Department of Natural Resources (IDNR) staff and R. W. Beck waste composition experience. The primary objectives of the study directly influenced the waste categories selected. The material categories are consistent with the following objectives:

- To develop a statewide waste characterization identifying the types and estimated quantities of solid waste received for disposal at Iowa landfills and transfer stations.
- To identify materials continuing to be disposed which present additional opportunities to meet Iowa's 50% waste reduction and recycling goal.

A set of 45 categories were selected for this study. The definitions of each of these categories are included in the Appendix for reference. Based upon the objectives described above, the use of the following categories was critical:

- Recyclable mixed paper was distinguished from non-recyclable paper per regional market specifications.
- Deposit containers were distinguished from non-deposit containers in the plastic, metal, and glass categories.
- Multiple subcategories for household hazardous materials were included.
- Treated wood as opposed to non-treated wood was included to identify the recoverable segment of the wood wastes substream.
- Construction and demolition materials were categorized separately from such categories as wood, metals, plastic and old corrugated containers because these materials are generally collected and transported separately.
- A subcategory for pumpkins was identified as part of yard waste because of the seasonal time period the fall sort was completed.
- A category labeled special wastes was created in the solid waste composition results for wastewater grit and sludge, foundry sand, water plant screenings, ash, and other industrial processed wastes.

PRE-SORT SITE ASSESSMENT

R.W. Beck staff conducted site visits of the six potential sorting sites prior to initiating the actual waste sorts. These site assessments were conducted in September and October of 1997. During these site assessments, R.W. Beck discussed with the respective facility operators their standard operations (i.e. including materials recovery practices and record keeping), logistics for conducting the sort at each site, equipment needs, and the scheduled dates for each of the sorts.

Prior to the individual facility site visits, we forwarded a data request to the respective facility operators for facility disposal information. The data request was for facility transaction information for a period of at least three weeks within the last 90 days. This information was reviewed to identify the average weekly and daily quantities of materials received at each respective facility, types of hauling vehicles used at each facility, and an overview of the scope of the activity at each facility. The site visits also involved clarifying the data received from each of the facility operators prior to developing the waste sort protocol.

WASTE SORT PROTOCOL

Development of protocol is essential to obtaining consistent and reliable waste characterization data. Because the potential for local communities to directly influence the management of the residential waste stream is greater than with the industrial/commercial/institutional (ICI) waste stream, gathering reliable data for the residential generator type was considered critical to the Study. Moreover, waste materials are transported to each of the facilities from residential generators, ICI generators, and by waste haulers with materials from a mix of

1-2 R. W. Beck, Inc.

generator types (mixed). Consequently, the protocol includes identifying the various samples as originating from three generator types - residential, ICI, and mixed. Results were developed for each of these generator types as well as for a combination of the three generator types.

The protocol included sorting samples from the municipal solid waste received at each of the facilities. It was not feasible to sort construction and demolition materials (C&D) and special wastes. Therefore, except for the quantities of C&D mixed in with the MSW, the quantities of C&D materials received were calculated per facility records. C&D and special waste quantities were then factored into the overall waste characterization to develop a separate "solid waste" characterization for each individual facility site and statewide. The solid waste characterization represents all solid waste materials landfilled whereas the MSW waste characterization is limited to primarily those materials subject to the state landfill tonnage fees.

CONDUCT WASTE SORTS

A two season waste sort was initiated at each of the facility sites in the fall of 1997. One week sorting events were conducted at five of the six potential sites over a five week period during the months of October and November. The fall sort at the North Dallas County Landfill was initiated on November 10, but was discontinued because of concerns related to the facility staffing needed to complete the sorting event. The spring sorting event took place during the months of May and June. One week sorting events were conducted at each of the five sites over a five week period. The Iowa solid waste facilities where the fall 1997 and spring 1998 waste sorting events were completed included the following:

- Des Moines County Regional Solid Waste Landfill;
- South Central Iowa Regional Solid Waste Agency Landfill;
- Floyd-Mitchell County Solid Waste Agency Landfill;
- Monona County Solid Waste Transfer Station; and
- Iowa City Solid Waste Landfill.

Notwithstanding the Iowa City Landfill and Monona County waste sorts, R.W. Beck provided approximately one and one-half days of oversight assistance at each facility site during the fall and spring sorts. Iowa City contracted directly with R.W. Beck to provide staff to conduct the actual waste sorts for the Study. Monona County contracted directly with R. W. Beck to provide staff assistance to conduct the waste sorting event in the spring of 1998.

The oversight assistance provided included an introduction to the material categories and their definitions, an overview of health and safety issues, and initial training as related to the sorting and sampling procedures. Each facility operator/owner provided a waste sort supervisor, adequate sorting staff, and a sorting table to conduct the sorting events. The IDNR, with input from R. W.

B1264 R. W. Beck, Inc. 1-3

Beck, provided the needed health and safety equipment at each site, as well as a scale for weighing the sorted waste materials.

The selection of vehicles to secure waste materials for sampling was based upon the data from the pre-sort site assessment completed at each facility. At each site, vehicles were randomly selected from within each of the three generator types residential, ICI, mixed. This approach assures sort data from each of these generators which can be used to develop a waste characterization for each generator type and combined generator types. From the randomly selected loads, a minimum of 200 pound samples were taken for sorting. Two to three hundred pound samples are considered the appropriate size to provide representative results. The various samples were randomly selected from the selected loads using various random cell selection processes.

Once each sample was selected, the materials were pre-sorted for any hazardous or infectious wastes. The materials were then sorted by facility staff into individual containers representing the various 45 material categories. Then, each container was weighed to determine the quantity of materials by material type in each sample. These weights were recorded on individual data sheets to document the sorting process. The data was then forwarded to R. W. Beck for review and analysis.

REVIEW COLLECTED DATA

Upon completing the sampling and sorting of materials, the data collected were reviewed to ensure accuracy and identify any unusual sample data. Per review of the data sheets, and discussions with R. W. Beck and facility staff, the need to assess the general composition of the fines/supermix was identified. This category represents those materials remaining after the samples have been sorted that are difficult to physically sort and/or visually identify as specific material types. The most frequently recorded fines/supermix components identified by the waste sorters included the following:

- food residuals;
- paper and plastic packaging;
- dirt/grit; and
- other unidentifiable organics and inorganics.

As previously stated, individual C&D loads and special waste loads were not sampled separately. Thus, the quantity data for these materials were developed via review of actual facility records during the various weeks of the individual sorting events.

STATISTICAL MODELING

The data collected during each of the five sorting events in the spring and fall were input into R. W. Beck's specially designed waste composition statistical

model (Model). The Model statistically manipulates the data to calculate both the mean and 90% confidence intervals as waste composition measures. In evaluating the results, both measures should be considered. The mean represents the average percentage of material composing the waste stream. The 90% confidence interval represents that there is a 90% level of confidence that the true population mean falls within the upper and lower intervals. The narrower the intervals the less variability in the data. Following the completion of the spring 1998 sorts, the confidence intervals narrowed and the reliability of the reported results was enhanced with the additional data.

For the solid waste composition results, confidence intervals are not provided because the C&D and special wastes categories were not sampled separately and thus confidence intervals were not available. Only a mean percentage for these material types are provided.

RESULTS

Introduction

The results for each of the five sites are provided in the appendix to the report. A waste characterization for each of the three generator types, an overall municipal solid waste characterization, and an overall solid waste characterization is provided for all five sites. The results from the five sites were then aggregated to develop overall combined waste characterizations for the following:

- municipal solid waste;
- solid waste:
- residential; and
- ICI.

This information is provided for both the spring and fall sorts as well as combined totals for both seasons.

OVERALL RESULTS - SPRING AND FALL SORTS

Provided below is a summary table representing the aggregated results for municipal solid waste characterization and solid waste characterization.

WASTE CH.	TABLE 1 ARACTERIZATION FIELD S OVERALL RESULTS	ORTS
CATEGORY	MSW COMPOSITION ⁽¹⁾ (MEAN PERCENTAGES)	SOLID WASTE COMPOSITION (2) (MEAN PERCENTAGES)
Paper	32.2	24.3
Plastic	14.4	14.0
Metal	6.0	4.4
Glass	2.6	2.2
HW ⁽³⁾	0.8	.5
Yard Waste	1.7	1.3
Food Waste	10.7	5.9
Wood	6.4	5.3
Durables	3.8	3.3
Textiles	4.2	3.4
Diapers	2.3	2.1
Rubber	0.8	.6
Other Organic	1.7	1.3
Other Inorganic	1.7	1.6
Fines/Supermix	5.2	3.6
Infectious Waste	0.7	.1
Construction and Demolition	4.8	23.9

⁽¹⁾ Includes only the residential, ICI, and mixed generator type results.

Special Wastes

0.0

2.3

The municipal solid waste (MSW) composition represents the combined composition of the residential, ICI, and mixed generator types. We recommend this characterization be used when comparing results to other regions and states. The solid waste composition represents all generator types including residential, ICI, mixed, construction and demolition, and special wastes. This characterization should be used when identifying materials composing a substantial portion of the overall waste stream that are being landfilled.

The following table illustrates the aggregated results for the residential and ICI compositions.

⁽²⁾ Includes C&D and special wastes as well as the MSW.

⁽³⁾ Represents the household hazardous materials in the residential waste stream and hazardous waste materials identified in the ICI waste stream.

TABLE 2 WASTE CHARACTERIZATION FIELD SORTS RESULTS BY GENERATOR TYPE

CATEGORY	RESIDENTIAL COMPOSITION (1) (MEAN PERCENTAGES)	ICI COMPOSITION (2) (MEAN PERCENTAGES)
Paper	28.9	32.4
Plastic	10.4	18.5
Metal	7.2	5.4
Glass	2.5	3.2
HW ⁽³⁾	0.8	0.8
Yard Waste	2.9	0.8
Food Waste	10.8	10.2
Wood	6.4	8.5
Durables	6.4	2.6
Textiles	5.5	2.5
Diapers	3.7	0.8
Rubber	0.7	1.0
Other Organic	1.8	1.7
Other Inorganic	1.9	1.9
Fines/Supermix	5.8	2.9
Infectious Waste	0.4	0.8
Construction and Demolition	4.0	6.1

⁽¹⁾ From the sampling of 113 vehicle loads and the sorting of more than 25,200 pounds of materials.

As expected, the confidence intervals narrowed as the information was aggregated from both sorting events (see detailed results in appendix.). This illustrates that the data is more reliable as a larger number of sorts are conducted.

⁽²⁾ From the sampling of 161 vehicle loads and the sorting of more than 37,560 pounds of materials.

⁽³⁾ Represents the household hazardous materials identified in the residential waste stream and the hazardous wastes identified in the ICI waste stream.

WASTE CHARACTERIZATION FIELD SORTS

In addition, when comparing the residential and the commercial generator overall results, in general it was found that the residential results had narrower confidence intervals. This can be attributed to the greater diversity of materials in the commercial waste stream.

FALL 1997 RESULTS

As previously discussed in the "Interim Report: Iowa Waste Characterization," overall, a total of 212 samples weighing nearly 25 tons were sorted during the 1997 fall sort. Notwithstanding the Monona County facility sort, the number of samples sorted at each site ranged from 44 to 52. Because of the relatively small quantity of materials received at the Monona County facility, a total of 20 samples were sorted.

The following table illustrates the results for the municipal solid waste composition and the solid waste characterization.

	TABLE 3 RACTERIZATION FIELD S LL 1997 RESULTS (1)	ORTS
Category	MSW COMPOSITION (2) (MEAN PERCENTAGES)	SOLID WASTE COMPOSITION (3) (MEAN PERCENTAGES)
Paper	33.7	25.5
Plastic	12.3	9.3
Metal	6.0	4.6
Glass	2.6	1.9
HW ⁽⁴⁾	.8	.6
Yard Waste	1.9	1.4
Food Waste	11.4	8.6
Wood	6.2	4.7
Durables	2.5	1.9
Textiles	3.1	2.4
Diapers	2.8	2.1
Rubber	.5	.4
Other Organic	1.8	1.4
Other Inorganic	2.0	1.5
Fines/Supermix	5.9	4.5
Infectious Waste	.7	.6
Construction and Demolition	5.8	26.0
Special Wastes	0.0	2.2

⁽¹⁾ Represents the characterization results for only one seasonal sorting event of a two season sort.

Table 4 provides a waste characterization for the two primary MSW generator types - residential and ICI. This table is provided to assist in identifying materials being disposed by these two generator types that could be targeted for recovery.

⁽²⁾ Includes only the residential, ICI, and mixed generator type results.

⁽³⁾ Includes C&D and special wastes as well as the MSW.

⁽⁴⁾ Represents the household hazardous materials identified in the residential waste stream and the hazardous wastes identified in the ICI waste stream.

Paper
Plastic
Metal
Glass
HW(4)

Yard Waste

Food Waste

Wood

Durables

Textiles

Diapers

Rubber

Other Organic

Other Inorganic

Fines/Supermix

Infectious Waste

Construction and Demolition

	TABLE 4 HARACTERIZATION FIELD : RESULTS BY GENERATOR **	
Category	RESIDENTIAL COMPOSITION (2) (MEAN PERCENTAGES)	ICI COMPOSITION (3) (MEAN PERCENTAGES)
	29.0	35.5
	8.5	15.5
	6.0	6.6
	2.7	3.1
	1.0	.6

3.3

10.9

7.4

5.5

5.1

3.8

.4

2.5

1.7

6.5

.6

5.1

.6

10.9

7.7

1.5

1.3

.9

.6

1.5

2.6

3.0

.6

7.4

(1)	Represents the characterization resu	alts for only one seasonal sorting event of a two	o
	season sort.		

⁽²⁾ From the sampling of 58 vehicle loads and the sorting of more than 13,200 pounds of materials.

SPRING 1998 RESULTS

Overall, a total of 212 samples weighing nearly 24 tons were sorted during the spring sort. Excluding the Monona County Transfer Station, the number of samples that were sorted at each site ranged from 41 to 55. At the Monona County Transfer Station, 17 samples were sorted.

⁽³⁾ From the sampling of 86 vehicle loads and the sorting of more than 20,473 pounds of materials.

⁽⁴⁾ Represents the household hazardous materials identified in the residential waste stream and the hazardous wastes identified in the ICI waste stream.

The following table illustrates the spring results for the MSW and solid waste characterization.

WASTE CHA SPR	TABLE 5 RACTERIZATION FIELD UNG 1998 RESULTS (1)	SORTS
CATEGORY	MSW COMPOSITION (2) (MEAN PERCENTAGES)	SOLID WASTE COMPOSITION (3) (MEAN PERCENTAGES)
Paper	30.8	23.5
Plastic	16.5	13.6
Metal	6.0	4.7
Glass	2.6	2.2
HW ⁽⁴⁾	0.8	0.5
Yard Waste	1.5	1.2
Food Waste	10.0	7.3
Wood	6.6	5.8
Durables	5.4	4.5
Textiles	5.3	4.5
Diapers	1.9	1.5
Rubber	1.1	0.8
Other Organic	1.7	1.3
Other Inorganic	1.5	1.4
Fines/Supermix	4.4	3.1
Infectious Waste	0.6	0.5
Construction and Demolition	3.8	21.3
Special Wastes	0.0	2.4

⁽¹⁾ Represents the characterization results for only one seasonal sorting event of a two season sort.

⁽²⁾ Includes only the residential, ICI, and mixed generator type results.

⁽³⁾ Includes C&D and special wastes as well as the MSW.

Represents the household hazardous materials identified in the residential waste stream and the hazardous wastes identified in the ICI waste stream.

Table 6 provides a waste characterization for the two primary MSW generator types - residential and ICI. This table is provided to assist in identifying materials being disposed by these two generator types that could be targeted for recovery.

	TABLE 6 RACTERIZATION FIELD S RESULTS BY GENERATOR	
CATEGORY	RESIDENTIAL COMPOSITION (2) (MEAN PERCENTAGES)	ICI COMPOSITION (3) (MEAN PERCENTAGES)
Paper	28.9	28.7
Plastic	12.3	22.0
Metal	8.4	3.9
Glass	2.3	3.4
HW ⁽⁴⁾	0.7	1.0
Yard Waste	2.4	1.1
Food Waste	10.7	9.4
Wood	5.3	9.4
Durables	7.4	3.9
Textiles	5.8	3.8
Diapers	3.7	0.6
Rubber	1.0	1.5
Other Organic	1.1	2.0
Other Inorganic	2.1	1.0
Fines/Supermix	5.0	2.9
Infectious Waste	0.2	1.0
Construction and Demolition	2.9	4.7

⁽¹⁾ Represents the characterization results for only one seasonal sorting event of a two season sort.

⁽²⁾ From the sampling of 55 vehicle loads and the sorting of more than 11,980 pounds of materials.

⁽³⁾ From the sampling of 75 vehicle loads and the sorting of more than 17,000 pounds of materials.

⁽⁴⁾ Represents the household hazardous materials identified in the residential waste stream and the hazardous wastes identified in the ICI waste stream.

CONCLUSIONS AND RECOMMENDATIONS

The results of the waste characterization field sorts provide individual site characterization information for MSW and Solid Waste, as well as by generator type (residential, ICI, and mixed). Individual site results can be evaluated to identify types of materials being disposed that present materials recovery opportunities.

The table below depicts the MSW characterization results by individual site.

VIECORY SOUTH	WASTE CHARACTERIZATION FIELD SORTS COMPARISON OF MSW RESULTS (1)	STE CHARACTERIZATION FIELD SO COMPARISON OF MSW RESULTS (1)	RTS		
CATEGORY SOUTH CEN Vewspaper 29.3%	COMPARISON OF	- MSW RESULTS (1)			
CATEGORY Vewspaper					
29.3% Vewspaper	NTRAL HOYD- MITCHELL	IOWA CITY	DES MOINES	MONONA	RANGE
	34.0%	32.2%	28.9%	43.1%	28 9% - 43 1%
	4.0% 1.9%		2.1%	7.7%	
	2.4% 1.5%		1.8%	5.5%	
	2.3% 1.5%		1.9%	4.2%	
	6.7% 12.2%		8.0%	10.7%	
	4.6% 5.4%		4.9%	8.0%	
Other Non- Recyclable Paper 9.4	9.4% 11.5%	, 11.3%	10.2%	%6.9	
PLASTIC 19.0%	12.4%	15.1%	12.9%	9.6%	9.6% - 19.0%
ers	0.2% 0.2%	0.3%	0.2%	0.3%	2/2002
	0.1% 0.1%		0.2%	0.3%	
#2 HDPE Containers 0.8	0.8% 1.3%	1.0%	0.9%	1.2%	
siers	0.5% 1.4%		0.7%	0.5%	
t Numbered	11.5% 4.9%	7.8%	7.5%	3.4%	
Film/Wrap/Bags 6.0	6.0% 4.5%	5.2%	3.5%	4.0%	
METAL 5.9%	7.5%	5.0%	5.8%	5.7%	5.0% - 7.5%
Deposit Beverage	0.0% 0.1%	%0:0	0.1%	0.1%	
Containers					
sit Beverage	0.1% 0.1%	0.1%	0.2%	0.3%	
Containers					
	1.0% 3.6%	%6:0	1.1%	2.0%	
	4.1% 2.6%	3.5%	3.7%	2.8%	
Other Non-Ferrous Scrap 0.7	0.7% 1.2%	0.4%	0.7%	0.5%	

		TABLE	E 3			
	WASTE	CHARACTERIZ Medelson of	WASTE CHARACTERIZATION FIELD SORTS	ORTS		
CATECORY	SOUTH CENTRAL	Flora-	IOWA CITY	DES MOINES	MONONA	RANGE
GLASS	3 9%	1 90%	200			
Clear		1.8%	2.6%	2.4%	1.8%	1.8% - 3.9%
Green	%6.0	1.0%	1.1%	1.0%	1.0%	
Rive	0.0%	0.1%	0.0%	0.0%	0.1%	
D	0.0%	%0.0	0.0%	0.0%	%00	
Diomi	0.0%	0.3%	0.1%	0.2%	0.2%	
Deposit Glass Containers	0.1%	0.0%	%6.0	0.1%	0.3%	
rive Cullet	2.9%	0.4%	0.5%	1.1%	0.2%	
	0.5%	1.1%	%9.0	0.7%	1 40/	2
Automotive Products	0.2%	0.4%	0.10			0.5% - 1.4%
Paints and Solvents	0.2%	0.3%	0.1%	0.3%	9.0	
Pesticides, Herbicides &	0:0%	%C:0	0.0%	0.2%	0.4%	
Fungicides		200	0.0.0	%0.0	0.1%	
Household Cleaners	0.0%	0.1%	0.100	Ö		
Batteries (lead -acid)	0.0%	%U U	0/1.0	%0.0	0.1%	
Batteries (other)	0.1%	0.0%	0.0%	0.0%	0.0%	
Other (HHM containers	0.1%	0.1%	0.170	%I'0	0.1%	
w/product inside)		0/10	0/C.O	%0.0	0.1%	
YARD WASTE	0.7%	1.5%	2.3%	1 40/	701	
Yard Waste	0.6%	15%		1.4%	3.7%	0.7% - 3.7%
Pumpkins	0:0	%C:T	0.7%	1.3%	1.1%	
FOOD WASTE	6.2%	14 6%	12.00/	0.1%	2.6%	
Food Waste	6.2%	14.6%	13.0%	8.1%	10.6%	6.2% - 14.6%
WOOD	8.1%	31%	0/0.01	40 = 2	10.6%	
Non-Treated Wood	4.5%	1.2%		10.5%	2.6%	2.6% - 10.5%
Treated Wood	3.7%	1.2/0	0.7.7	4.0%	1.4%	
	2/ ::2	1.7/0	0.1.6	6.5%	1.2%	

	WASTE	TABLE 7 CHARACTERIZATI MPARISON OF MS	TABLE 7 WASTE CHARACTERIZATION FIELD SORTS COMPARISON OF MSW RESULTS (1)	RTS		
CATECORY	SOUTH CENTRAL	Flovo- Mitchell	IOWA CITY	DESMOINES	MONONA	RANGE
DURABLES	4.4%	2.8%	2.9%	7069	4.00%	
All Electrical and Household Appl.	1.5%	1.6%	1.4%	2.0%	4.0%	2.8% - 4.4%
Other Durables	2.9%	1.2%	1.5%	41%	87 0	
TEXTILES	4.2%	3.7%	4.1%	4 9%	4.1%	
Textiles and Leather	4.2%	3.7%	4.1%	7007	4.1%	3.7% - 4.9%
DIAPERS	1.8%	2.6%	2.4%	7.3%	7.50	700
Diapers	1.8%	2.6%	2.4%	2.3%	0/0.7	%87 - %9T
RUBBER	0.5%	0.8%	0.5%	1.4%	1.0%	20.0
Rubber	0.5%	0.8%	0.5%	1 4%	1.0%	%*-T%c-n
OTHER ORGANIC	%6.0	2.3%	1.9%	1.9%	1.3%	20 C 20 C
Other Organic	0.9%	. 2.3%	1.9%	1.9%	13%	0/27/0 - 2/370
OTHER INORGANIC	2.0%	0.7%	2.1%	2.7%	0.6%	0 50% C ###
Other Inorganic	2.0%	0.7%	2.1%	2.7%	0.6%	0/ / 77 = 9/0-0
FINES/SUPERMIX	4.4%	7.0%	4.5%	3.9%	2609	2007 7006
Fines/ Supermix	4.4%	7.0%	4.5%	3.9%	%69	0.7.7.e- f.U.7e
INFECTIOUS WASTE	2.1%	0.4%	0.2%	0.2%	0.2%	0.3%_316%
Intectious waste	2.1%	0.4%	0.2%	0.2%	0.2%	07 Time 27 E-2
CONSTRUCTION & DEMOLITION	6.1%	3.5%	4.8%	6.7%	0.7%	07%-67%
رها	6.1%	3.5%	4.8%	6.7%	0.7%	9/759 9/115

(1) Subcategory percentages may not sum to category totals or 100 due to rounding.

As illustrated above, the percentages for individual material types range from one site to another.

Some conclusions which can be drawn from the results include:

- service areas with less curbside recyclable materials collection availability (i.e. Monona, Floyd-Mitchell) tend to dispose of a higher percentage of paper;
- the paper category has the largest range from site to site with plastic, food waste, and wood materials representing materials categories with at least an 8 percentage point range;
- several categories including metals, glass, hazardous wastes, yard wastes, textiles, diapers, durables, rubber, infectious wastes, other organic, and other inorganic have a narrow range of three percent or less; and
- significant percentages of recyclable and compostable materials such as OCC, mixed recyclable paper, and food waste continue to be disposed.

STATEWIDE CHARACTERIZATION

INTRODUCTION

The results of the waste characterization field sorts provide useful information for each of the individual service areas participating in the Study. These overall results provide the baseline for developing a statewide waste characterization. This section of the report includes the following:

- an estimated statewide waste characterization;
- changes in the waste stream as compared to the 1990 Iowa statewide waste characterization; and
- identification of the types of materials continuing to be disposed which potentially are recoverable.

METHODOLOGY

The methodology, used by R. W. Beck to develop a statewide waste characterization included the following steps:

- review of the existing characterization information for Carroll County, Metro Waste Authority, Union County, and the Bluestem Solid Waste Agency provided by the IDNR;
- combined the selected existing waste characterization information with the results from the 1997-1998 waste characterization field sorts; and
- applied the overall combined weighted average percentages for the various material categories to the estimated quantities of materials disposed in Iowa for Fiscal Year 1998 (July 1997 - July 1998).

REVIEW OF EXISTING DATA

The IDNR provided excerpts from waste characterization studies conducted for the Carroll County Solid Waste Management Commission, Metro Waste Authority, and Union County. R. W. Beck had previous access to the Bluestem Solid Waste Agency waste characterization study results. These studies were all conducted in 1994-1996. All material subcategories included in the Carroll County, Metro Waste Authority, and Union County, studies were compared. The reported results of these individual studies are provided in the table below.

EXISTING IOWA MSW COMBINED		CTERIZ		TUDIES		
	UNION	County 1	CARROLL	County ²	METRO AUTHO	
PAPER	36.5%		29.2%		30.5%	200
Newsprint (Includes telephone books)	· ·	5.5%	,-		20.570	6.6%
Newsprint	[4.2%		0.070
Corrugated		9.9%		•		5.1%
Corrugated (Includes Kraft paper)	İ			7.0%		•
Office Paper		1.9%		2.9%		
White Office Paper	ł					2.7%
Other Paper (Includes mixed paper)		11.3%				
Other Paper				8.2%		
Magazines		5.2%		1.8%		2.2%
Mixed Paper				2.0%		
Mixed Paper (Includes other paper)						8.9%
Paper Board Boxboard (Includes envelopes)		2.7%				5.0%
PLASTICS	1100			3.1%		
HDPE Plastic	14.2%		11.6%		13.7%	
HDPE Carbonated Container		1.7%		0.9%		
HDPE Non-carbonated Container		İ				0.3%
PET Plastic		1.7%		0.20/		0.7%
PETE Carbonated Container		1.7%		0.3%		0.20
PETE Non-Carbonated Container						0.2%
Other Plastic (Includes Other Plastic Containers (#3-7)		9.4%				0.4%
Other Plastics				9.0%		7.3%
Polystyrene		1.4%		0.9%		3.9%
Other Plastic Containers (3-7)				0.5%		0.9%
TETAL	4.8%		4.6%		9.1%	
Steel Food Cans		1.8%		1.5%	•	5.7%
Aluminum Cans		0.6%		0.2%		
Aluminum Carbonated Container						0.1%
Aluminum Non-Carbonated Container		Í		l		0.1%
Other Metals		2.1%		l		
Other Ferrous		- 1		1.9%		1.9%
Other Aluminum		0.3%		0.5%		0.7%
Nonferrous				0.5%		0.6%
Class Front Control	2.7%	İ	2.6%		2.6%	
Glass Food Containers		2.3%		1.7%		
Carbonated Glass Container		I				0.7%
Non-Carbonated Glass Container Other Glass						N/A
Other Glass		0.4%		0.9%		N/A

2-2 R. W. Beck, Inc.

EXISTING IOWA MS COMBINI	TABLE SW CHARA ED GENERA	CTERIZ		TUDIES		
•	Union	County 1	CARROLL	COUNTY ²	METRO AUTHO	
HOUSEHOLD HAZARDOUS WASTE	1.5%		1.0%		1.7%	KIIT
Household Hazardous Waste	1.0%	1.5%	1.070	1.0%	1.7 /6	1.7%
YARD WASTE	1.5%	1.070	2.5%	1.070	5.1%	1.7 /0
Yard Waste	1.0,0	1.5%	2.570	2.5%	5.1 /0	5.1%
FOOD WASTE	18.7%		20.4%	2.0 /0	5.2%	5.170
Food Waste	/-	18.7%	20.170	20.4%	D.22/0	5.2%
WOOD	1.5%		5.0%	2011/0	5.2%	0.270
Wood Waste		1.5%			0.270	5.2%
Dimensional Lumber/Pallets				1.9%		0.270
Other Wood	ŀ			3.1%		
TEXTILES	3.7%		3.8%		3.5%	
Textiles	1	3.7%		2.1%		
Carpet/Rugs/Leather				1.7%		
Textiles	ļ		İ			N/A
Carpet/rugs						N/A
DIAPERS	2.0%		4.4%		1.4%	
Diapers	ļ	2.0%		4.4%		1.4%
MISCELLANEOUS					22.1%	•
Miscellaneous	}			1		22.1%
OTHER ORGANIC	5.3%		8.6%		N/A	····
Miscellaneous Organics		5.3%		8.6%		N/A
OTHER INORGANIC	1.0%		6.4%		N/A	
Miscellaneous Non-organics		1.0%		6.4%		N/A
OTHER	2.3%				N/A	
Other Waste		2.3%				N/A
CONSTRUCTION & DEMOLITION	4.3%					
Roofing		4.3%		i		
TOTAL PERCENT	100%	-	100%		100%	

Sort conducted at the Union County Landfill in 1996.

As is evident above, many of the material categories for the various studies were not necessarily compatible. Moreover, the methodology varied from one study to another. These differences in methodologies may account for the large range between the three studies for the percent of food waste. As a result, because R. W. Beck was only intimately familiar with the Bluestem waste composition study, we selected the results of the Bluestem study methodology to be aggregated with the waste characterization field sorts to develop a statewide waste

Two season sort (October 1994 and June 1995) conducted for the Carroll County Solid Waste Management Commission.

Sort conducted in 1996 for the Metro Waste Authority.

characterization. However, the results of the other studies are provided for reference.

AGGREGATE DATA

The results of the waste characterization field sorts for each of the individual sites provide the baseline for aggregating the data to develop a statewide waste characterization. The mean percentages for each of the categories at each of the sites were weighted based upon the quantities of materials actually disposed at each site. The average weekly tonnages for each site were calculated per reported facility data. This information is depicted below.

WEEKLY MS	W TONNAGE DATA
SERVICE AREAS	Quantities (tons)
Des Moines	855
Floyd-Mitchell	405
Iowa City	1356
Monona County	88
South Central	995
Bluestem	2,480

The mean percentages for each of the material categories were weighted by the quantities of materials received at each site. For example, the non-weighted mean percentage for ONP was 7.7% in Monona and represents the largest percent for the six sites. However, because Monona represents the facility receiving the least quantity of materials for disposal, the statewide ONP percent is lower than 7.7%.

The table below illustrates the results of the waste characterization field sorts, the statewide MSW and solid waste characterizations, and site characterizations for individual sites. The MSW and Solid Waste Iowa Statewide characterizations were formulated by weighting the statewide sorting results as described above to reflect the proportion of materials projected for disposal at each of the representative sites.

			IOWA STATI	TABLE 2 A STATE-WIDE WASTE COMPOSIT PERCENTAGES FOR SAMPLED SITES	TABLE 2 IOWA STATE-WIDE WASTE COMPOSITION (PERCENTAGES FOR SAMPLED SITES)				
		IOWA STATEWIDE		SOUTH CENTRAL	Flove-Mirchelt	10wa City	Des Moines	MONONA	Renterna
	IDNR SORT RESULTS 1	WSW.	Solid Waste ³⁷			MSW 2			BOTTO OF
PAPER	32.2%	35.1%	25.8%	29.3%	34.0%	32.2%	28.9%	43.1%	107.01
Newspaper	3.3%	4.1%	3.0%	4.0%	1.9%	3.3%	2.1%	70.L.C.E.	44.70
Magazines	2.5%	7.6%	1.9%	2.4%	1.5%	3.0%	1.8%	8/1:1 8/1:1	3.7%
High Grade/ Office ⁵	2.3%	2.2%	1.8%	2.3%	1.5%	2.6%	1.9%	2,00	6,7 /0
OCC and Kraft Bags	8.5%	9.4%	7.1%	6.7%	12.2%	6.2%	8:0%	10.7%	12.7%
Mixed Recyc Paper 6	5.4%	5.2%	2.2%	4.6%	5.4%	5.7%	4 9%	%0 X	2
Other Non-Recyclable Paper	10.3%	10.5%	7.6%	9.4%	11.5%	11.3%	10.2%	%6.9	11.0%
PLASTIC	14.4%	11.1%	11.1%	19.0%	12.4%	151%	120%	<i>(6)</i>	45.74
#1 PET Containers	0.2%	0.3%	00%	7000				2.0%	%9.CI
#1 PET Deposit ⁵	0.1%	0.00	0.2%	0.4%	0.7%	0.3%	0.2%	0.3%	0.4%
#2 HDPF Containers	1.0%	100%	0.10	0.1%	0.1%	0.7%	0.2%	0.3%	
All Out - Manuels	1.0%	1.0%	0.7%	%8.0	1.3%	1.0%	%6:0	1.2%	1.2%
Containers 5	%8.0	0.7%	0.6%	0.5%	1.4%	0.8%	0.7%	0.5%	
Other Plastic Not Numbered	7.5%	7.7%	2.6%	11.5%	4.9%	7.8%	7.5%	3.4%	7.1%
Film/Wrap/Bags	4.8%	5.7%	4.2%	6.0%	4.5%	5.2%	3.5%	4.0%	71%
METAL	%0'9	5.1%	4.1%	5.9%	7.5%	5.0%	5.8%	57%	4.4%
Alum Non-Deposit Beverage Containers	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	0.2%
Alum Deposit Beverage Containers ⁵	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	
Ferrous Food	1.7%	0.8%	0.8%	1.0%	3.6%	0.9%	1.1%	2.0%	%60
Other Ferrous Scrap	3.4%	2.8%	2.8%	4.1%	2.6%	3.5%	3.7%	2.8%	28%
Other Non-Ferrous Scrap	0.7%	0.4%	0.4%	0.7%	1.2%	0.4%	0.7%	0.5%	0.5%

4	
<u>5</u>	
JEC	

			IOWA STATE	TABLE 2 IOWA STATEWIDE WASTE COMPOSITION (PERCENTAGES FOR SAMPLED SITES)	COMPOSITION PLO SITES)				
		HOWA STATEWIDE		SOUTH CENTRAL	SOUTH CENTRAL FLOYD-MITCHELL	IOWA CITY	DES MOINES	MONONA	Brusten
	IDNR SORT RESURTS 1	WSW ²	South WASTE 37			MS	MSW 2		
GLASS	2.6%	2.4%	1.7%	3.9%	1.8%	2.6%	2.4%	18%	2.0%
Clear	1.0%	0.8%	0.8%	%6:0	1.0%	1.1%	1.0%	10%	1 4%
Green	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	%00	0.1%	0.1%
Blue 5	0.0%	0.0%	0.0%	0.0%	0:0%	0.0%	%0.0	%00	9/1:0
Brown	0.2%	0.1%	0.1%	0.0%	0.3%	0.1%	0.2%	0.2%	0.1%
Deposit Glass Containers ⁵	0.3%	0.3%	0.3%	0.1%	0.0%	%6:0	0.1%	0.3%	3
Other/ Mixed Cullet	1.1%	0.5%	0.5%	2.9%	0.4%	0.5%	11%	0.2%	3%
ННМ	%8.0	0.7%	0.5%	0.5%	1.1%	%9.0	0.7%	1.4%	%60
Automotive Products	0.3%	0.3%	0.2%	0.2%	0.4%	0.1%		290	0.5%
Paints and Solvents	0.7%	0.1%	0.1%	0.2%	0.3%	0:0%	0.2%	0.4%	0.1%
Pesticides, Herbicides & Funcicides	0.0%	0.0%	%0:0	%0.0	%0:0	0.0%	%0:0	0.1%	%0.0
Household Cleaners	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	200	0.19	800
Batteries (lead -acid)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	%0.0	0.0%
Batteries (other)	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	%0.0
Other (HHM containers w/product inside)	0.1%	0.2%	0.1%	0.1%	0.1%	0.3%	0.0%	0.1%	0.2%
YARD WASTE	1.7%	1.8%	1.3%	0.7%	1.5%	2.3%	1.4%	3.7%	2.2%
Yard Waste	1.3%	1.6%	1.2%	%9:0	1.5%	1.7%	1.3%	1.1%	2.2%
Pumpkins ⁵	_	0.3%	0.3%	%0:0	0.0%	0.7%	0.1%	2.6%	
FOOD WASTE	10.7%	10.3%	7.4%	6.2%	14.6%	13.0%	8.1%	10.6%	10.9%
Food Waste	10.7%	10.3%	7.4%	6.2%	14.6%	13.0%	8.1%	10.6%	10.9%
WOOD	6.4%	7.1%	9.4%	8.1%	3.1%	2.9%	10.5%	2.6%	7.3%
Non-Treated Wood 5	2.8%	3.1%	2.4%	4.5%	1.2%	2.2%	4.0%	1.4%	
Treated Wood 5	3.6%	4.0%	3.1%	3.7%	1.9%	3.7%	6.5%	1.2%	
DURABLES	3.8%	2.8%	2.1%	4.4%	2.8%	2.9%	6.2%	4.0%	%6.0
All Electrical and Household Appl.	1.6%	1.3%	1.0%	1.5%	1.6%	1.4%	2.0%	1.4%	%6:0
Other Durables ⁵	2.2%	2.5%	2.0%	2.9%	1.2%	1.5%	4.1%	2.6%	

			IOWA STAT	TABLE 2 A STATE-WIDE WASTE COMPOSI (PERCENTAGES FOR SAMPLED SITES)	TABLE 2 IOWA STATE-WIDE WASTE COMPOSITION (PERCENTAGES FOR SAMPLED SITES)				
		LOWA STATEWIDE	Ē.	SOUTH CENTRAL	Гютр-Митсне й	lows Crix	Desidence		
	IDNR SORT RESULTS 1	WSW 3	Sould WASTE 37					MONONA	Вілетем
TEXTILES	4.2%	3.3%	2.4%	700.1	2700				
Textiles and Leather	4.2%		2.4%	4.2%	3.7%	4.1%	4.9%	4.1%	2.1%
DIAPERS	2.3%	2.1%	1.5%	18%	2.50	4.1%	4.9%	4.1%	2.1%
Diapers	2.3%		1.5%	1.8%		2.4%	2.3%	2.8%	1.9%
RUBBER	0.8%	0.7%	0 50/		0/.0.70	%4.7	2.3%	2.8%	1.9%
Rubber	0.8%		%C.0	0.5%	%8.0	0.5%	1.4%	1.0%	%9.0
OTHER ORGANIC	1 7%	2/0/		1	0.8%	0.5%	1.4%	1.0%	0.6%
Other Organic	17%		1.7%	%6:0	2.3%	1.9%	1.9%	1.3%	3.6%
OTHER INCREANTS			1.7%	%6.0	2.3%	1.9%	1.9%	13%	360
Other Income	1.7%	1.8%	1.3%	2.0%	0.7%	2.1%	2.7%	290	1 6%
Culei Illorganic	1.7%	-	1.3%	2.0%	0.7%	2.1%	2.7%	2000	
FINES/SUPERMIX	5.2%	4.6%	3.6%	4.4%	7.0%	4.5%	3 0%	1	1.6%
rines/ Supermix	5.2%	4.6%	3.6%	4.4%	7.0%	4.5%	3 0%	% C.O	
INFECTIOUS WASTE	%2.0	0.2%	%9.0	2.1%	0.4%	0.0%		0.2%	
Infectious Waste	0.7%	0.2%	0.6%	21%	040		0.2%	0.2%	
CONSTRUCTION &	4.8%	4.4%	16.0%	619		%7.0	0.2%	0.2%	
DEMOLITION			2/2:21	0.1.0	9.5%	4.8%	%2'9	0.7%	3.3%
C&D	4.8%	4.4%	16.0%	61%	600	20			
SPECIAL WASTE			10.7%	2/4:0	9/2.0	4.8%	6.7%	0.7%	3.3%
Special Waste			10.7%						
1. Represents average results from sorts at the five sites	orts at the five site	o in alterday in the Transite	Ŀ						

Represents average results from sorts at the five sites included in the IDNR Waste Characterization Study.

MSW includes only the residential, ICI, and mixed generator type results. Represents average percentages for all six sites weighted by the tonnage received at each of the six sites during the week of each

Solid waste includes C&D and special wastes as well as the MSW. Represents average numbers for all six sites weighted by the tonnage received at each of the six sites during the week of each sort.

Sort at Bluestem Solid Waste Agency conducted in 1996 as a separate project.

Sort at the Bluestern Solid Waste Agency did not include these categories. Therefore the lowa Statewide MSW and Solid Waste numbers were calculated based on a weighted average of only five sites for

The numbers for mixed paper were not included for the Bluestem Solid Waste Agency because in that sort, the category was defined differently from the IDNR sort. In the Bluestem sort, mixed paper included high grade/office paper.

The sum of the subcategories may not equal the category total because several of the subcategories are based on the weighted average of the five sites, rather than six sites.

SOLID WASTE CHARACTERIZATION

Because of the IDNR goal to target recoverable materials, a characterization of all solid waste landfilled, including materials not subject to the state landfill surcharge, was formulated. To develop this characterization, individual site solid waste characterizations were aggregated and weighted by the tonnages received at each of the individual sites. The total solid waste tonnages received at each site were calculated using facility data quantifying materials landfilled, including construction and demolition materials and special wastes. If necessary, volumetric data was converted to tonnage data. The table below depicts the results of this approach.

TABLE 3	
1998 IOWA STATEWIDE SOLID WAST	E CHARACTERIZATION (1)
	PERCENTAGES
PAPER	25.8%
Newspaper	3.0%
Magazines	1.9%
High Grade/ Office	1.8%
OCC and Kraft Bags	7.1%
Mixed Recyc Paper	2.2%
Other Non-Recyclable Paper	7.6%
PLASTIC	11.1%
#1 PET Containers	0.2%
#1 PET Deposit	0.1%
#2 HDPE Containers	0.7%
All Other Numbered Containers	0.6%
Other Plastic Not Numbered	5.6%
Film/Wrap/Bags	4.2%
METAL	4.1%
Alum Non-Deposit Beverage Containers	0.1%
Alum Deposit Beverage Containers	0.1%
Ferrous Food	0.8%
Other Ferrous Scrap	2.8%
Other Non-Ferrous Scrap	0.4%
GLASS	1.7%
Clear	0.8%
Green	0.1%
Blue	0.0%
Brown	0.1%
Deposit Glass Containers	0.3%
Other/ Mixed Cullet	0.5%

	PER	CENTAGES
ННМ	0.5%	
Automotive Products		0.2%
Paints and Solvents	ı	0.1%
Pesticides, Herbicides & Fungicides	l	0.0%
Household Cleaners		0.0%
Batteries (lead -acid)		0.0%
Batteries (other)		0.0%
Other (HHM containers w/product inside	e)	0.1%
YARD WASTE	1.3%	
Yard Waste		1.2%
Pumpkins	i	0.3%
FOOD WASTE	7.4%	0.070
Food Waste	1	7.4%
WOOD	9.4%	7.170
Non-Treated Wood		2.4%
Treated Wood	1	3.1%
DURABLES	2.1%	0.170
All Electrical and Household Appl.	/	1.0%
Other Durables	l .	2.0%
TEXTILES	2.4%	2.0 70
Textiles and Leather		2.4%
DIAPERS	1.5%	2.470
Diapers	1.5%	1.5%
RUBBER	0.5%	1.576
Rubber	0.5%	0.5%
OTHER ORGANIC	1.7%	0.5%
Other Organic	1.7 /6	1 70/
OTHER INORGANIC	1.3%	1.7%
Other Inorganic	1.5%	1.20
INES/SUPERMIX	3.6%	1.3%
Fines/ Supermix	3.0%	2.6%
NFECTIOUS WASTE	0.69	3.6%
Infectious Waste	0.6%	0.4%
ONSTRUCTION & DEMOLITION	16.00	0.6%
C&D	16.0%	44.00
PECIAL WASTE	10.7%	16.0%
Special Waste	10.7%	40 ==~
OTAL	100.0%	10.7%

APPLICATION OF DISPOSAL TONNAGES

The IDNR gathers landfill tonnage disposal information quarterly from solid waste disposal facilities on a statewide basis as a result of the statutory landfill tonnage fee. Based upon information reported by the IDNR for Fiscal Year 1998 (i.e., July 1997 — June 1998), the estimated quantities of MSW disposed was approximately 2,204,000 tons. This estimate was calculated using actual reported quantities for the first three quarters of FY 1998 (1,653,000) and assuming an average of the first three quarters for the final quarter (551,000) of FY 1998. This estimate excludes materials not subject to the state landfill surcharge including fly ash, petroleum contaminated soils, salvaged materials, and C&D landfilled separately from MSW. For purposes of this study, we have assumed that the FY 1998 solid waste landfill disposal estimate of 2,204,000 tons is equivalent to the MSW definition used in the Study

The FY 1998 tonnage information was applied to the statewide waste characterization percentages from Table 2 for the individual materials to estimate the total quantities of individual materials disposed. The table below depicts these results.

TA 1998 IOWA STATEWIDE A	BLE 4 ASW CHARACTERI	ZATION (f)
	Percentages ⁽²⁾	Tonnages
PAPER	35.1%	774,593
Newspaper	4.1%	90,642
Magazines	2.6%	57,394
High Grade/ Office	2.2%	48,965
OCC and Kraft Bags	9.4%	207,789
Mixed Recyc Paper	5.2%	115,591
Other Non-Recyclable Paper	10.5%	231,006
PLASTIC	15.1%	333,168
#1 PET Containers	0.3%	6,438
#1 PET Deposit	0.1%	3,039
#2 HDPE Containers	1.0%	22,590
All Other Numbered Containers	0.7%	15,619
Other Plastic Not Numbered	7.7%	169,513
Film/Wrap/Bags	5.7%	125,196
METAL	5.1%	112,414
Alum Non-Deposit Beverage Containers	0.1%	2,252
Alum Deposit Beverage Containers	0.1%	2,860
Ferrous Food	1.1%	24,888
Other Ferrous Scrap	3.2%	70,682
Other Non-Ferrous Scrap	. 0.6%	12,879
GLASS	2.4%	53,652
Clear	1.1%	24,827
Green	0.1%	1,355
Blue	0.0%	108

	TABLE 4			
1998 IOWA STATEWIDE	MSW CH	ARACTER	IZATION "	
	PERCE	NTAGES ⁽²⁾	Tol	NNAGES
Brown		0.1%		2 <i>,</i> 575
Deposit Glass Containers		0.4%		8,808
Other/Mixed Cullet		0.8%	1	18,688
ННМ	0.7%		16,472	
Automotive Products	İ	0.3%	ļ	7,132
Paints and Solvents		0.1%		2,797
Pesticides, Herbicides & Fungicides		0.0%	:	258
Household Cleaners		0.0%		600
Batteries (lead -acid)	i	0.0%		885
Batteries (other)		0.0%	ł	952
Other (HHM containers w/product inside)		0.2%		3,489
YARD WASTE	1.8%		40,029	
Yard Waste		1.6%	ĺ	35,621
Pumpkins		0.3%		7,364
FOOD WASTE	10.3%		226,597	
Food Waste		10.3%		226,597
WOOD	7.1%		156,494	,
Non-Treated Wood		3.1%		67,231
Treated Wood		4.0%		88,155
DURABLES	2.8%		60,468	
All Electrical and Household Appl.		1.3%	l '	28,433
Other Durables		2.5%		53,513
TEXTILES	3.3%		73,669	
Textiles and Leather		3.3%	1	73,669
DIAPERS	2.1%	<u> </u>	45,739	
Diapers		2.1%	,	45,739
RUBBER	0.7%		15,002	
Rubber	1	0.7%	10,002	15,002
OTHER ORGANIC	2.4%		52,867	10,002
Other Organic		2.4%	1 02,007	52,867
OTHER INORGANIC	1.8%		39,928	02,007
Other Inorganic	1.070	1.8%	27,220	39,928
FINES/SUPERMIX	4.6%	1.070	100,873	37,720
Fines/ Supermix	1.5%	4.6%	100,073	101,493
INFECTIOUS WASTE	0.2%	3.0/0	3,391	101/173
Infectious Waste	0.270	0.2%	ו <i>דניקט</i>	3,391
CONSTRUCTION & DEMOLITION	4.4%	0.4/0	00.050	175,5
C&D	4.4%	A A 07	98,058	00.050
	400.00	4.4%		98,058
TOTAL (1) Calculated using unighted parameters for	100.0%		2,203,848	

Calculated using weighted percentages from selected waste composition studies and FY 1998 reported disposal tonnages.

⁽²⁾ Numbers may not sum due to rounding.

COMPARISON OF WASTE CHARACTERIZATIONS

To measure the changes in the Iowa solid waste stream over time, the 1998 Iowa statewide characterization can be compared to available previous characterization information. In 1990, the IDNR completed a statewide characterization using existing primary data. The results of the 1990 characterization are depicted below along with the 1998 statewide characterization.

		TABLE 5				
COMPARISON C			SW CHAI	RACTER	IZATION	
	199				1998 ⁽³⁾	
	PERCENTAGES (2)	TONNAGES	PERCEN	TAGES (2)		INNACES
PAPER	37.2%	824,235	35.1%		774,593	
Newspaper			ł	4.1%		90,642
Magazines				2.6%		57,394
High Grade/ Office				2.2%		48,965
OCC and Kraft Bags				9.4%		207,789
Mixed Recyc Paper	i			5.2%		115,591
Other Non-Recyclable Paper				10.5%		231,006
PLASTIC	6.9%	151,833	15.1%		333,168	
#1 PET Containers				0.3%		6,438
#1 PET Deposit				0.1%		3,039
#2 HDPE Containers				1.0%		22,590
All Other Numbered		1		0.7%		15,619
Containers						
Other Plastic Not Numbered				7.7%		169,513
Film/Wrap/Bags				5.7%		125,196
METAL	6.4%	140,988	5.1%		112,414	
Alum Non-Deposit Beverage Containers				0.1%		2,252
Alum Deposit Beverage Containers				0.1%		2,860
Ferrous Food				1.1%		24,888
Other Ferrous Scrap	}	i		3.2%		70,682
Other Non-Ferrous Scrap				0.6%	ł	12,879
GLASS	4.9%	108,452	2.4%		53,652	
Clear				1.1%		24,827
Green				0.1%		1,355
Blue				0.0%		108
Brown				0.1%		2,575
Deposit Glass Containers				0.4%		808,8
Other/ Mixed Cullet				0.8%		18,688
НМ			0.7%		16,472	
Automotive Products				0.3%		7,132
Paints and Solvents	1			0.1%		2 <i>,7</i> 97
Pesticides, Herbicides & Fungicides				0.0%		258
Household Cleaners	1			0.0%		600
Batteries (lead -acid)				0.0%		885
Batteries (other)	į			0.0%		952
Other (HHM containers w/product inside)				0.2%		3,489
ARD WASTE	19.2%	425,132	1.8%		40,029	
Yard Waste		,		1.6%	,	35,621
Pumpkins	ĺ			0.3%		7,364

B1264

COMPARISON (TABLE 5 ATEWIDE M	SW CHA	RACTER	IZATION	
	199	90 ⁽¹⁾			1998 ^(a)	
	PERCENTAGES ⁽²⁾	TONNAGES	PERCEN	TAGES (2)		NAGES
FOOD WASTE	7.8%	173,523	10.3%		226,597	
Food Waste				10.3%		226,597
WOOD	3.9%	86,762	7.1%		156,494	<u> </u>
Non-Treated Wood	1			3.1%	,	67,231
Treated Wood			1	4.0%		88,155
DURABLES			2.8%		60,468	
All Electrical and Household Appl.	NA	NA		1.3%		28,433
Other Durables			I	2.5%		53,513
RUBBER, TEXTILES AND LEATHER	5.9%	130,142	4.0%		88,671	
Textiles and Leather			l	3.3%		73,669
Rubber				0.7%		15,002
DIAPERS			2.1%		45,739	
Diapers	NA	NA		2.1%		45,739
OTHER	7.8%	173,526	4.2%		92,795	
Other Organic				2.4%		52,867
Other Inorganic			Ì	1.8%		39,928
FINES/SUPERMIX			4.6%		101,493	
Fines/ Supermix	NA	NA		4.6%		101,493
INFECTIOUS WASTE			0.2%		3,391	
Infectious Waste	NA	NA		0.2%		3,391
CONSTRUCTION & DEMOLITION			4.4%		98,058	
C&D	NA NA	NA		4.4%		98,058
TOTAL	100.0%	2,215,567	100%		2,203,848	

⁽¹⁾ Percentages and tonnages from Iowa's Solid Waste Stream Characterization and Management Strategy, IDNR 1990.

IDENTIFICATION OF MATERIALS FOR ADDITIONAL RECOVERY

Upon review of the Iowa Statewide Characterization, several materials continue to be disposed which are recyclable and/or compostable. The opportunities for diversion include the following:

- Paper OCC and mixed recyclable paper compose more than 14% of the MSW stream. Some of the OCC may be contaminated and not recyclable.
- <u>Plastic</u> "Other plastic" and "film/wrap/bags" categories compose more than
 13% of the MSW stream. Further research on the subcategories composing

⁽²⁾ Numbers may not add due to rounding.

⁽³⁾ Calculated per field sorts, existing studies, and IDNR reported disposal tonnage.

- these material categories should be conducted to assess the recyclability of these plastic materials.
- Food Waste Food waste composes more than 10% of the MSW. If this material can be source separated to minimize contamination, the potential exists for food waste to be composted and diverted from disposal.
- Wood and Textiles These two materials each present moderate opportunities for recovery. Non-treated wood composes 3.1% and textiles composes 3.3% of the MSW stream.
- Construction and Demolition C&D composes 4.4% of the MSW stream and 16.0% of the overall solid waste stream. Further evaluation of these materials should be conducted to identify the materials recovery opportunities.

METHODOLOGY FOR CHARACTERIZING THE WASTE STREAMS FOR NON-PARTICIPATING SOLID WASTE FACILITIES

Pursuant to the agreement between the Iowa Department of Natural Resources ("IDNR") and R. W. Beck Inc. (R. W. Beck), R. W. Beck is to prepare a methodology for characterizing the solid waste streams for facilities located within Iowa that did not participate in the Iowa Waste Characterization Study (the "Study"). As part of the Study, sorts were conducted at five solid waste facilities within the state. The service areas were selected for sampling because they represented communities with a wide range of characteristics such as population, employment sectors and availability of curbside recycling.

Our discussion of the methodology is divided into the following sections:

- Objective
- Variables Impacting the Solid Waste Stream
- Description of Methodology
- Application of Methodology
- Results
- Conclusions

OBJECTIVE

The objective of this task is to develop a methodology that can be used following the completion of the Study to characterize the waste streams for non-participating facilities in Iowa. The methodology provides the following:

- Formulates a flexible tool with which to characterize the waste streams of non-participating facilities in the State of Iowa;
- Reflects the results of the *lowa Waste Characterization Study*, 1998 (the "Study") prepared by R. W. Beck, 1998;
- Allows for an adjustment of the waste characterization based upon key demographic and program characteristics;
- Provides results for a sample non-participating Iowa facility.

VARIABLES IMPACTING THE SOLID WASTE STREAM

The proposed methodology used to project solid waste disposal trends is a planning tool only and is not likely to be as accurate as an actual field sort. Several variables may impact waste composition. For example, recycling and other waste reduction measures will impact the quantities of recyclables being disposed of in the solid waste stream.

Overall, some variables and trends which are likely to impact the composition of the waste stream include:

- Local and regional economic trends;
- Local tipping fees;
- Urban versus rural population distribution;
- Waste diversion program effectiveness;
- Total and type of industrial employment; and
- Population demographics.

In spite of the fact that there are many variables which may impact the composition of the waste stream at different facilities, it is plausible to characterize the waste streams for non-participating service areas. Such projections, at a minimum, will allow the individual service areas to estimate the total amount of materials by material type disposed and to assist in developing programs for increasing diversion.

DESCRIPTION OF METHODOLOGY

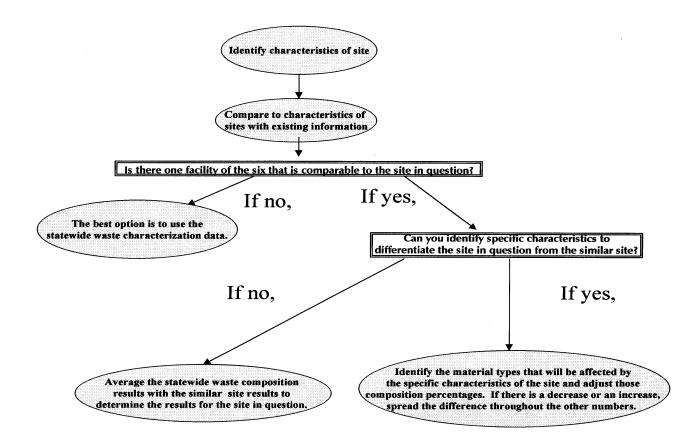
GENERAL METHODOLOGY

The proposed methodology is based on three potential approaches. The selection of a specific approach will depend on the specific characteristics of the selected service area and available information. The three approaches include the following:

- The first approach is to utilize the waste composition percentages developed in the statewide characterization and apply those percentages to the tonnages for the particular service area.
- The second approach is to select a service area from the waste composition study that is similar to the service area in question and average the waste composition percentages of the similar service area with the statewide results.

The third approach is to select the service area that is most similar to the service area in question and to identify the specific characteristics of the service area in question that will make it dissimilar from the selected service area. Using the specific characteristics of the service area in question, the waste composition percentages would then be adjusted to reflect the specific waste characterization for the selected service area.

This methodology is illustrated in the following flow diagram.



BACKGROUND INFORMATION FOR THE METHODOLOGY

The solid waste disposal and transfer facilities in the State were categorized by the IDNR into groups based on the following categories:

- Single county versus multi-county service area;
- Urban versus rural population distribution;
- Per capita landfill tonnage; and
- Curbside recycling availability.

For the Study, at least one service area was selected from each group. In addition to the five service areas in the Study, we have also included the results for the Bluestem Solid Waste Agency. R. W. Beck recently conducted a waste characterization study for Bluestem as a separate project and the results are compatible with the Study results.

Several key variables were selected to illustrate the differences between the given service areas. These key variables are the following:

- Curbside Recycling Availability This variable represents the percentage of the population that has curbside recyclable materials collection available to them.
- Extent of Urbanization This factor represents the percentage of the total population that resides in urban areas. In this instance, urban is defined as persons in towns or cities of 2,500 or larger or persons within urbanized areas, as defined by the Census Bureau for standard statistical purposes.
- Employment to Population Ratio This ratio is calculated by dividing the total employment by the total population in the representative county(ies). The total employment is reported on a place-of-work basis. This means that it includes the number of employees that work in the particular county(ies), regardless of where they live.¹ This factor is important because it represents an alternative measure of urbanization for a particular community. A higher ratio indicates a concentration of ICI generators which is likely to result in greater waste generation.
- Percent of Total Employment by Sector This factor provides information related to the types of jobs that exist in the particular county(ies). This information is provided in several categories per the U.S. Department of Commerce. For the purpose of this project, several of these categories have been combined to simplify the comparisons between service areas.

The characteristics of each of the service areas based on the key variables are illustrated in the table below.

TABLE 1 CHARACTERISTICS OF PARTICIPATING SERVICE AREAS	TABLE 1 S OF PARTICE	PATING SERVICE	: AREAS				000000000000000000000000000000000000000
Key Variabies	GROUP 1: SOUTH CENTRAL JOWA!	GROUP 2: FLOYD-MITCHELL ²	GROUP 3; Des Moines	GROUP 3; IOWA CITY	GROUP 4: MONONA	Group 5: Bruestem	20000 00000
Curbside Recycling Availability Percent (%) ⁵	46	41	75	O8	c	AGENCY*	
Extent of Urbanization (%)6	51	39	71	24	200	71	_
Employment to Population Ratio ⁷	58	51	62	89	40	60	
Percent of Employment by Sector (%)				3	42	/9	
Farm Employment	13.7	17.7	2.3	L C			
Natural Resources (Agricultural Service forestry fishing mining)	-	77.7	5.0	C.7	22.3	1.7	
(giming, mining)	C.I	1.9	9.0	6.0	2.7	6.0	
Construction	5.1	3.9	4.9	3.6	2.9	5.2	_
Manufacturing	15.8	15.2	25.1	7.2	4.0	10.0	
Transportation and Public utilities	4.2	3.2	6.5	3,6	3.6	17.0	
Trade (wholesale and retail)	21.7	19.2	22.5	183	20.7	0.0	
Finance, insurance and real estate	4.9	4.1	13		1.07	6.77	
Continos	21.0	1.1	4.0	4.5	4.5	6.7	
COLUMN OF THE PROPERTY OF THE	7.17	21.8	22.5	22.2	25.1	27.4	
Government	12.3	13.2	10.3	38.1	14.8	10.3	
)	

South Central Iowa Solid Waste Agency consists of the following counties: Lucas, Marion, Monroe and Poweshiek To calculate the key variables for this group, the data for each

Floyd-Mitchell consists of two counties: Floyd and Mitchell. To calculate the key variables for this group, the data for each county were average together.

Data for Johnson County was representative of Iowa City.

Data for Linn County was representative of the Bluestem Solid Waste Agency. The "Curbside Recycling Availability" factor for the Bluestem Solid Waste Agency was calculated by R.

Source: Iowa Department of Natural Resources.

Source: 1990 U.S. Census.

Calculated by R. W. Beck by dividing the total employment (Source: U.S. Department of Commerce Bureau of Economic Analysis' Regional Economic Information System) by the total population in the representative county(ies) (Source: U.S. Department of Commerce: Economic and Statistics Administration, Bureau of the Census).

Calculated by R. W. Beck. Numbers may not add up to 100 percent due to rounding. Source: U.S. Department of Commerce Bureau of Economic Analysis' Regional Economic

The following tables illustrate the waste composition results for each of the six service areas.

TABLE 2 MSW AND SOUID WASTE COMPOSITION PERCENTACES FOR SALVANIES SITES	WASTEC	SOMM	TABLE 2	CENTACES	3 003	0 (19 19 4 4	ITTE			
	South Centers Erons Appendix				<u> </u>	T T T T T	211	ł		
PAPER	29.3%	34.0%	9,	20.00		DES MICHIGANS	NONOW .	ľ	61 LIESTEM	
Newspaper						20.3% 7.10	45.1%		42.7%	Š
Magazines	2.4%	. %	1.5%	80.8	2 89	1.2%		6.7.7 50.00		%/%
High Grade/ Office	2.3	. %	1.5%	2.6%	2 %	1.9%		e 86		6.7.7
OCC and Kraft Bags	6.7%	%	12.2%	6.2	. %	8.0%		10.7%	Ì	12.7%
Mixed Recyc Paper	4.6%	26	5.4%	5.7%	%	4.9%		. %		ì
Other Non-Recyclable Paper	9.4%	%	11.5%	11.3%	%	10.2%	%6'9	. %	•	11.0%
PLASTIC	19.0%	12.4%		15.1%	12	12.9%	9.6%	┿	15.6%	
#1 PET Containers	0.2%	%	0.7%	0.3				_	:	0.4%
#1 PET Deposit 3	0.1	%	0.1%	0.2%	%	0.7%	0.3%	. %		
#2 HDPE Containers	0.8%	%	1.3%	1.0%	%	0.9%		*		1.2%
All Other Numbered Containers	0.5%	26	1.4%	0.8%	%	0.7%		. %		 }
Other Plastic Not Numbered	11.5%	%	4.9%	7.8%	26	7.5%		. %		71%
Film/Wrap/Bags	6.0%	%	4.5%	5.2%	- %	3.5%				71%
METAL	2.9%	7.5%	2,0	2.0%	┝	5.8%	5 7%	+	4 40%	1
Alum Non-Deposit Beverage Containers	0.0%			0.0%	_	0.1%	0.1%		٠ ۲	0.2%
Alum Deposit Beverage Containers	0.1%	- %	0.1%	0.1%		0.2%	0.3%	. >6		2
Ferrous Food	1.0%	<u>%</u>	3.6%	0.9%	%	1.1%	2.0%			%60
Other Ferrous Scrap	4.1%		7.6%	3.5	%	3.7%	2.8%	. %		286
Other Non-Ferrous Scrap		%	1.2%	0.4%	%	0.7%	0.5%	2 %		0.5%
GLASS	3.9%	1.8%	9	2.6%	2	2.4%	1.8%	╀	2.0%	
Clear	6.0	%	1.0%	1.1			10%		2	707
Green	0.0%	2%	0.1%	0.0	%	0.0%	0.1%	2 %		1.1%
Blue	0.0	~	%0:0	0.0	24	0.0%	0.0%	. %		-
Brown	0.0%	%	0.3%	0.19	24	0.2%	0.2	2 %		0.1%
Deposit Glass Containers	0.1%	%	0.0%	0.9%	>≈	0.1%	0.3%	2 %		2
Other/ Mixed Cullet		%	0.4%	0.5	%	1.1%	0.2	. %	_	0.3%
HM	0.5%	1.1%		%9.0	ļ	0.7%	1.4%	╀	0.9%	
Automotive Products	0.2%	×°	0.4%	0.1%	* %	0.3%	0.6%			0.5%
Paints and Solvents	0.2	~	0.3%	0.0	%	0.7%	0.4%	%		7.1%
Pesticides, Herbicides & Fungicides	0.0	%	%0:0	0.0	№	0.0%	0.1%	. %		0.0%
Household Cleaners	0.0	~	0.1%	0.15	* °	0.0%	0.1	%	_	%00
Batteries (lead -acid)	0.0	%	0.0%	0.0	№	0.0%	0.0			0.1%
Datteries (other)	0.1%	× ×	0.1%	0.1%	№ 9	0.1%	0.1%	~	Ŭ	%0:0
Outer (1 II IIVI COTITAINERS W/ product Inside)	0.1	9	0.1%	0.3	20	0.0%	0.1	%	_	7.7%

			TABLE 2	2								
MSW AND SOLI	AND SOLID WASTE COMPOSITION PERCENTAGES FOR SAMPLED SITES	OMPC	OSITION	I PERC	ENTAC	ES FO	R SAMP	LED SI	IES			
	SOUTH CENTRAL FLOYD-MITCHELL	RAL H	оур-Міт	нис	IOWACITY	JIIV.	DES MOINES	SINE	Ō₩	MONONA	BLUES	BLUESTEM ⁽¹⁾
YARD WASTE	0.7%	_	1.5%		2.3%		1.4%		3.7%		2.2%	
Yard Waste	9.0			1.5%		1.7%		1.3%	:	1.1%		2.2%
Pumpkins	0.0%	%	0	%0.0		0.7%		0.1%		2.6%		Ì
FOOD WASTE	6.2%	1	14.6%		13.0%		8.1%		10.6%		10.9%	
Food Waste	6.2%	%	14	14.6%		13.0%		8.1%		10.6%		10.9%
WOOD	8.1%	E.	3.1%		5.9%		10.5%		2.6%		7.3%	
Non-Treated Wood	4.5%	%	-	1.2%		2.2%		4.0%		1.4%		
Treated Wood	3.7%	%	Η,	1.9%		3.7%		6.5%		1.2%		
DURABLES	4.4%	2	2.8%		2.9%		6.2%		4.0%		0.9%	
All Electrical and Household Appl.	1.5%	%	1	1.6%		1.4%		2.0%	•	1.4%		%6.0
Other Durables	2.9%	%	—	1.2%		1.5%		4.1%		2.6%		:
TEXTILES	4.2%	9	3.7%		4.1%		4.9%		4.1%		2.1%	
Textiles and Leather	4.2%	%	3.	3.7%		4.1%		4.9%	•	4.1%		2.1%
DIAPERS	1.8%	2	7.6%		2.4%		2.3%		2.8%		1.9%	
Diapers	1.8%	%	2.	2.6%		2.4%		2.3%		2.8%		1.9%
RUBBER	%5'0	0	0.8%		0.5%		1.4%		1.0%		%9.0	
Rubber	0.5%	%	0.	0.8%		0.5%		1.4%		1.0%		%9.0
OTHER ORGANIC	%6.0		2.3%		1.9%		1.9%		1.3%		3.6%	
Other Organic	0.9%	%	.2	2.3%		1.9%		1.9%		1.3%		3.6%
OTHER INORGANIC	2.0%		0.7%		2.1%		2.7%		%9 '0		1.6%	
Other Inorganic	2.0%	\dashv	1	0.7%		2.1%		2.7%		%9:0		1.6%
FINES/SUPERMIX	4.4%		7.0%		4.5%		3.9%		%6'9			
Fines/ Supermix	4.4%	%	7.	7.0%		4.5%		3.9%		%6.9		
INFECTIOUS WASTE	2.1%		0.4%		0.2%		0.2%		0.2%			
Infectious Waste	2.1%	%	0.	0.4%		0.5%		0.5%		0.2%		
CONSTRUCTION & DEMOLITION	6.1%		3.5%		4.8%		%2.9		0.7%		3.3%	
C&D	6.1%	%	3.	3.5%		4.8%		6.7%		0.7%		3.3%

(i) Sort at Bluestem Solid Waste Agency conducted in 1996 as a separate project.

APPLICATION OF METHODOLOGY

To illustrate the use of this methodology, we projected the waste stream characterization for a sample community that we will call "Community X." The application of this methodology will clarify both the approach and anticipated results.

The characteristics of Community X are the following:

- 79 percent curbside recycling availability;
- 82 percent urban;
- Community X disposes of 40,000 tons of sold waste per year;
- Headquarters for a large pet food manufacturing facility that disposes of 650 tons of organic byproducts per year; and
- Largest city in county and county seat.

To apply the methodology we completed the following:

- 1. Identified the characteristics of Community X as listed above.
- 2. Compared the characteristics of Community X with the six service areas in Table 1. We identified Iowa City as the service area most similar to Community X. The table below depicts their similar characteristics.

	ABLE 3 Y X COMPARISON	
SERVICE AREA CHARACTERISTICS	IOWA City	COMMUNITY X
Curbside Recycling Availability (%)	80	79
Extent of Urbanization (%)	77	82
Percent of Employment by Sector	38.1% employed in government.	Large proportion of residents employed in government.

Community X has a dog food manufacturing plant that has a large amount of industrial byproducts from their processing activities. These byproducts are mainly grain meals. The facility has been discussing a use for these byproducts, but has not yet developed a program.

The byproducts that are currently discarded will result in an increase in the organic category in the waste composition percentages. We are aware that the dog food manufacturing plant disposes of 650 tons of organics by products per

year and the total waste disposal in the community is 40,000 tons per year. This represents 1.6 percent of the waste stream.

As a result, 1.6 percent was added to the organics category in the waste characterization data for Iowa City. Since this percentage was added to one material category, the other categories must be adjusted to equal 100%. To disperse the 1.6 percent proportionally among the 16 categories, first, 1.6 is multiplied by the percentage for each category. For example, in the Iowa City results (see Table 2), paper constitutes 32.2 percent of the waste stream. Therefore 1.6 multiplied by 32.2 percent yields 0.515. This value is subtracted from the 32.2 percent to yield 31.7 percent to represent the adjusted paper percent for Community X. Each category is adjusted similarly based upon the individual proportion of the overall waste stream. The complete results are illustrated in the following section.

RESULTS

The resulting waste composition percentages for Community X are shown in the following table.

SAMPLE (TABLE 4 COMMUNITY RESULT	S
CATEGORY	COMMUNITY X MSW COMPOSITION	IOWA CITY MSW COMPOSITION
Paper	31.7%	32.2%
Plastic	14.9%	15.1%
Metal	4.9%	5.0%
Glass	2.6%	2.6%
HHW	0.6%	0.6%
Yard Waste	2.3%	2.3%
Food Waste	12.8%	13.0%
Wood	5.8%	5.9%
Durables	2.9%	2.9%
Textiles	4.0%	4.1%
Diapers	2.4%	2.4%
Rubber	0.5%	0.5%
Other Organic	3.5%	1.9%
Other Inorganic	2.1%	2.1%
Fines/Supermix	4.4%	4.5%
Infectious Waste	0.2%	0.2%
Construction and Demolition	4.7%	4.8%

METHODOLOGY FOR CHARACTERIZING THE WASTE STREAMS FOR NON-PARTICIPATING SOLID WASTE FACILITIES

CONCLUSIONS

The proposed methodology for characterizing the waste streams for non-participating solid waste facilities is information driven. The more specific demographic and program information available for a specific service area, the more the state-wide characterization can be tailored to local circumstances. Yet, the various approaches provide flexibility in developing individual waste characterizations when specific information is limited.

Overall, the proposed methodology should be considered a planning tool. An actual field sort is likely to provide more representative information. The percentages of materials by category should be applied to per capita disposal and/or total disposal tonnages to further measure waste reduction and recycling program effectiveness.

Appendix

Waste Sort Categories

Waste Sort Categories used in Iowa's state-wide sort project, 1997 - 1998.

<u>PAPER</u>	
Newsprint	Black and white newspaper news print including other paper normally distributed inside a newspaper such as colored advertisements, comics, fliers, tabloids.
Magazines	All magazines plus promotional materials printed on slick paper.
High Grade Office	High grade continuos form computer paper, white paper including bond, photocopy or notebook paper and colored ledger paper primarily from offices.
OCC and Kraft Bags	Uncoated cardboard boxes with a wavy core and not contaminated with other materials such as a wax or plastic coating wood. Includes brown paper bags.
Mixed Recyclable Paper	Box board - Uncoated; primarily used for boxes (such as cereal boxes and egg cartons), envelopes with and without windows, toilet paper cores and other mixed recyclable paper. Includes books
Non-Recyclable Paper	Paper products including waxed, plastic, or metal coated paper, napkins, paper towels, frozen food packaging, tissues, paper plates and cups, and pizza boxes
PLASTICS	
#1 PET Containers	Clear, plastic containers coded #1.
#1 PET Containers (Deposit)	Clear, plastic containers coded #1 with an Iowa deposit label.
#2 HDPE Containers	Plastic containers such as milk jugs, shampoo bottles, and laundry detergent bottles coded #2.
Other Plastic Containers	Plastic Containers coded #3, #4, #5, #6, #7.
Other Plastic Products	End-user products including molded toys, extruded pipes and hoses, clothes hangers, cleaning tools and razors.
Film/Wrap/Bags	Trash bags, grocery bags, storage bags, sheet film plastic.
METALS	
Aluminum Non-Deposit Beverage Containers	All beverage containers made from aluminum without an Iowa deposit label.
Aluminum Deposit	All beverage containers made from aluminum with an Iowa
Beverage Containers	deposit label.
Ferrous Food and Beverage	Food and beverage containers composed primarily of containers iron.

Other Ferries 35	Ta
Other Ferrous Metals	Ferrous metal besides containers, including clothes hangers,
	sheet metal products, pipes, miscellaneous metal scraps, and other magnetic metal items.
	other magnetic metal nems.
Other Non-Ferrous Scrap	Other aluminum scrap besides beverage containers. Also
•	includes other non-ferrous metal scrap such as brass, copper, or
	other non-magnetic metal.
<u>GLASS</u>	Note: All wine, liquor, and beer containers are subject to the
	Iowa bottle deposit. Out-of-state imports may comprise the non-
	deposit glass category.
Clear Glass	All clear glass food, beverage, wine, liquor and beer containers.
Green Glass	All green glass food, beverage, wine, liquor and beer containers.
Blue Glass	All blue glass food, beverage, wine, liquor and beer containers.
Brown Glass	All brown glass food, beverage, wine, liquor and beer containers.
Glass Deposit Containers	All clear, green, blue and brown glass food, beverage, wine, liquor and beer containers with an Iowa Deposit label.
Other Mixed Cullet	Glass items other than food and beverage containers Includes
	ceramics, drinking glasses, glass plates, cooking utensils, ash
	trays, mirrors, or perfume bottles.
W/ 2 WW/ /	
Yard Waste	Debris such as grass clippings, leaves, garden waste, brush, and
	trees. Yard waste does include tree stumps.
Food Waste	Food proposition works & J
Pumpkins	Food preparation wastes, food scraps, spoiled food.
T AUTIVITIES	Seasonal item during fall sorts.
WOOD	
Non-Treated	Pallets, crates, and wood not defined below as treated.
Treated	Wood that is painted, stained, treated for exterior use, or glued
_	such as plywood.
Demolition/Renovation/	Waste building materials including, metals, and rubble which
Construction Debris	result from construction or demolition of structures. Such waste
	shall also include carpets, rugs, bricks, mortar, shingles, and
	drywall. Wood should be sorted into the wood categories.
DIDARIEC	
<u>DURABLES</u>	
Electrical and Household	TV's, toaster, stereos, other small appliances and electronic
Appliances	equipment.
Other Durables	Household furniture and matresses.
Textiles and Leathers	Clothing and apparel, shop rags, blankets, shoes, leather
D:	products such as wallets, purses, belts and scrap leather.
Diapers	Adult or infant disposalbe diapers, clean or soiled.
Dubban	Dubbandia and the second
Rubber	Rubber tubing, mats, hose, tires and some shoes.

HHM'S	Substances categorized by the U.S. Environmental Protection Agency (EPA) as: Corrosive, destroy human tissue or corrode metal; flammable, easily ignitable; toxic, poisonous; reactive, react violently when exposed to heat, sudden shock, pressure or other chemicals.
Automotive Products	
Paints and Solvent	
Pesticides, Herbicides, Fungicides	
Household Cleaners	
Lead Acid Batteries	
Other Batteries	
Other HHM	
Light Bulbs	Fluorescent, incandescent, and HID
Sharps	Hypodermic needles.
Other Organic	Organic materials not classified as part of the other organic material categories.
Other Inorganic	Inorganic materials not classified as part of the other inorganic material categories.
Other	Please specify.

APPENDIX B TWO-SEASONED COMBINED RESULTS

IOWA - ALL LOCATIONS MSW Composition Residential - Spring and Fall

Sample Size =
Total Wt Sorted =
Ava Wt per Sample =

113 loads 25,208 pounds 223 pounds

Avg Wt per Sample = WASTE CATEGORIES Material PAPER	Mean Perc	223	pounds 90% Confid Interval (
Material	Mean Perc			
	Mean Perc			96)
PAPER		entage [Lower	Upper
	28.9%		26.2%	31.7%
Newspaper	1	4.2%	3.5%	4.9%
Magazines High Grade/ Office		3.2%	2.7% 1.4%	3.7%
OCC and Kraft Bags		1.8% 4.1%	1.4% 3.5%	2.1% 4.8%
Mixed Recyc Paper		6.1%	5.4%	6.9%
Other Non-Recyc Paper		9.6%	8.4%	10.8%
PLASTIC	10.4%	- 1	9.3%	11.4%
#1 PET Containers	10.770	0.3%	0.2%	0.4%
#1 PET Deposit	1	0.2%	0.1%	0.2%
#2 HDPE Containers		0.9%	0.8%	1.0%
All Other Numbered Containers		0.7%	0.6%	0.9%
Other Plastic Not Numbered Film/Wrap/Bags		4.4%	3.8%	5.0%
		3.9%	3.4%	4.5%
METAL Alum Non-Deposit Beverage Containers	7.2%	2.40	6.1%	8.3%
Alum Deposit Beverage Containers Alum Deposit Beverage Containers		0.1% 0.2%	0.0% 0.1%	0.1% 0.2%
Ferrous Food		1.3%	1.1%	1.6%
Other Ferrous Scrap		4.6%	3.6%	5.7%
Other Non-Ferrous Scrap	1	1.0%	0.8%	1.3%
GLASS	2.5%			
Clear	2.5%	1.4%	2.2% 1.2%	2. 9% 1.7%
Green	1	0.1%	0.0%	0.1%
Blue		0.0%	0.0%	0.0%
Brown		0.2%	0.2%	0.3%
Deposit Glass Containers		0.4%	0.3%	0.5%
Other/ Mixed Cullet		0.4%	0.3%	0.5%
ннм	0.8%	1	0.7%	1.0%
Automotive Products		0.3%	0.2%	0.4%
Paints and Solvents		0.2%	0.1%	0.2%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners		0.1%	0.0%	0.1%
Batteries (lead -acid)	•	0.0%	0.0%	0.0%
Batteries (other) Other (HHM containers w/prod inside)		0.1% 0.1%	0.1% 0.1%	0.2% 0.2%
	i	0.176		
YARD WASTE Yard Waste	2.9%		2.1%	3.7%
Pumpkins	ľ	1.9% 0.9%	1.4% 0.6%	2.5%
rumpuns		0.9%	0.0%	1.3%
FOOD WASTE	10.8%	ļ	9.2%	12.4%
Food Waste		10.8%	9.2%	12.4%
WOOD	6.4%	ĺ	4.8%	8.1%
Non-Treated Wood		1.4%	1.0%	1.8%
Treated Wood		5.0%	3.7%	6.5%
DURABLES	6.4%	1	4 70/	0.44/
All Electrical and Household Appl.	0.476	2.3%	4.7% 1.7%	8.4% 3.0%
Other Durables		4.1%	2.8%	5.7%
TEXTILES				
Textiles and Leather	5.5%	5.5%	4.6% 4.6%	6.4% 6.4%
		5.5 %		0.470
DIAPERS	3.7%		3.0%	4.5%
Diapers		3.7%	3.0%	4.5%
RUBBER	0.7%	İ	0.5%	0.9%
Rubber		0.7%	0.5%	0.9%
OTHER ORGANIC	1.8%		1.4%	2.3%
Other Organic		1.8%	1.4%	2.3%
OTHER INORGANIC	1.9%	l	1.4%	2.4%
Other Inorganic	1.3%	1.9%	1.4%	2.4% 2.4%
· I		1.370		
FINES/SUPERMIX	5.8%		5.0%	6.6%
Fines/ Supermix		5.8%	5.0%	6.6%
NFECTIOUS WASTE	0.4%	1	0.3%	0.6%
Infectious Waste		0.4%	0.3%	0.6%
CONSTRUCTION & DEMOLITION	4.0%		2.9%	5.3%
C&D	4.0%	4.0%	2.9% 2.9%	5.3% 5.3%
		7.076	2.370	3.3%
TOTAL PERCENT	100.0%			

IOWA - ALL LOCATIONS MSW Composition Commercial - Spring and Fail

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

161 37,569 233

loads pounds pounds

Avg Wt per Sample ≖		233	pounds			
WASTE CATEGORIES Material				90% Confidence Interval (%)		
	Mean Perc	entage	Lower	(%) Upper		
PAPER	32.4%		28.8%	36.1%		
Newspaper		1.5%	1.1%	1.8%		
Magazines High Grade/ Office	İ	1.2%	0.9% 1.5%	1.5% 2.3%		
OCC and Kraft Bags	1	13.2%	11.0%	2.3% 15.5%		
Mixed Recyc Paper	1	4.0%	3.2%	4.8%		
Other Non-Recyc Paper	ļ'	10.7%	8.7%	12.8%		
PLASTIC	18.5%		15.5%	21.7%		
#1 PET Containers	1	0.2%	0.1%	0.2%		
#1 PET Deposit		0.1%	0.1%	0.1%		
#2 HDPE Containers		1.1%	0.8%	1.3%		
All Other Numbered Containers Other Plastic Not Numbered		1.1%	0.8%	1.4%		
Film/Wrap/Bags		11.5% 4.6%	9.0% 3.8%	14.2% 5.5%		
METAL	F 404	4.070				
Alum Non-Deposit Beverage Containers	5.4%	0.0%	4.3% 0.0%	6.5% 0.0%		
Alum Deposit Beverage Containers	1	0.0%	0.1%	0.0%		
Ferrous Food	İ	2.0%	1.5%	2.6%		
Other Ferrous Scrap		2.4%	1.8%	3,1%		
Other Non-Ferrous Scrap		0.7%	0.5%	0.9%		
GLASS	3.2%	1	2.3%	4.3%		
Clear	5.2.7	0.6%	0.4%	0.7%		
Green	1	0.0%	0.0%	0.0%		
Blue		0.0%	0.0%	0.0%		
Brown		0.1%	0.1%	0.2%		
Deposit Glass Containers Other/ Mixed Cullet		0.3% 2.3%	0.2%	0.4%		
	1	2.3%	1.5%	3.1%		
ННМ	0.8%	1	0.6%	1.0%		
Automotive Products	1	0.3%	0.2%	0.3%		
Paints and Solvents	į	0.3%	0.2%	0.3%		
Pesticides, Herbicides & Fungicides Household Cleaners	Ī	0.0% 0.0%	0.0%	0.0%		
Batteries (lead -acid)	į	0.0%	0.0% 0.0%	0.0% 0.0%		
Batteries (other)	į.	0.0%	0.0%	0.0%		
Other (HHM containers w/prod inside)		0.1%	0.1%	0.2%		
YARD WASTE	0.8%		0.6%	1.1%		
Yard Waste	0.076	0.8%	0.5%	1.0%		
Pumpkins		0.1%	0.0%	0.1%		
FOOD WASTE	40.00	1	0.00/	40.50		
Food Waste	10.2%	10.2%	8.2% 8.2%	12.5% 12.5%		
		10.2 /				
WOOD Non-Treated Wood	8.5%	4 70/	6.5%	10.7%		
Treated Wood		4.7% 3.8%	3.5% 2.7%	6.1% 5.0%		
1104104 17004		3.5 %	2.1 70	3.0 %		
DURABLES	2.6%		1.8%	3.6%		
All Electrical and Household Appl.		1.3%	0.9%	1.7%		
Other Durables	1	1.4%	0.9%	1.9%		
TEXTILES	2.5%		1.9%	3.2%		
Textiles and Leather		2.5%	1.9%	3.2%		
DIAPERS	0.8%		0.6%	1.0%		
Diapers		0.8%	0.6%	1.0%		
RUBBER	4.09/		0.8%			
Rubber	1.0%	1.0%		1.4%		
Kubbei	1	1.0%	0.8%	1.4%		
OTHER ORGANIC	1.7%		1.2%	2.2%		
Other Organic		1.7%	1.2%	2.2%		
		1				
OTHER INORGANIC	1.9%	1	1.2%	2.6%		
Other Inorganic	ŀ	1.9%	1.2%	2.6%		
FINES/SUPERMIX	2.9%	- 1	2.2%	3.5%		
Fines/ Supermix		2.9%	2.3%	3.6%		
NFECTIOUS WASTE	0.8%	1	0.6%	1.1%		
Infectious Waste]	0.8%	0.6%	1.1%		
CONSTRUCTION & DEMOLITION	6.1%	أسم	4.4%	8.2%		
C&D		6.1%	4.4%	8.2%		
TOTAL PERCENT	100.0%					

IOWA - ALL LOCATIONS MSW Composition Mixed - Spring and Fall

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

150 loads 33,819 pounds 225 pounds

WASTE CATEGORIES Material PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	Mean Perc 34.7%	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	90% Conficenterval (Lower 32.4% 3.9% 2.5% 6.1% 5.8% 9.4% 12.2% 0.2% 0.1% 0.5% 5.0% 5.0% 5.0% 5.0% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 1.09% 0.1% 1.09% 0.1% 1.09% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 1.0% 0.1% 0.2%	
PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	34.7% 13.1% 5.9%	4.5% 3.4% 3.0% 6.9% 6.4% 10.4% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	12.4% 3.9% 2.9% 2.5% 6.1% 5.8% 9.4% 12.2% 0.2% 0.1% 0.9% 5.0% 5.0% 5.0% 5.0% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.9% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1	Upper 36.3% 5.2% 5.2% 3.9% 3.6% 7.7% 7.1% 11.4% 0.3% 0.2% 1.2% 0.7% 6.1% 6.6% 0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.7%
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	13.1% 5.9% 2.0%	3.4% 3.0% 6.9% 6.4% 10.4% 0.3% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.6%	3.9% 2.9% 2.5% 6.1% 5.8% 9.4% 12.2% 0.1% 0.9% 0.5% 5.0% 5.0% 5.0% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.1%	36.9% 5.2% 3.9% 7.7% 7.1% 11.4% 0.3% 0.2% 1.2% 0.1% 6.1% 6.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1% 0.0.7%
Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	3.4% 3.0% 6.9% 6.4% 10.4% 0.3% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.6%	2.9% 2.5% 6.1% 5.8% 9.4% 12.2% 0.2% 0.1% 0.5% 5.0% 5.0% 5.0% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.1% 0.1%	3.9% 3.6% 7.7% 7.1% 11.4% 14.0% 0.3% 0.2% 6.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.0.1%
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	3.0% 6.9% 6.4% 10.4% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.6%	2.5% 6.1% 5.8% 9.4% 12.2% 0.2% 0.1% 0.5% 5.0% 5.0% 5.0% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.1% 0.1%	3.6% 7.7% 7.1% 11.4% 0.3% 0.2% 1.2% 0.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.1%
OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	6.9% 6.4% 10.4% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.6%	6.1% 5.8% 9.4% 12.2% 0.2% 0.1% 0.9% 0.5% 5.0% 5.0% 5.2% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.1%	7.7% 7.1% 11.4% 0.3% 0.2% 1.2% 0.7% 6.1% 6.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1%
Other Non-Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	6.4% 10.4% 0.3% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.1% 0.6%	5.8% 9.4% 12.2% 0.1% 0.9% 0.5% 5.0% 5.0% 6.2% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.1%	7.1% 11.4% 14.0% 0.3% 0.2% 1.2% 0.7% 6.1% 0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1% 0.01%
#1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	0.3% 0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 0.6%	12.2% 0.2% 0.1% 0.9% 0.5% 5.0% 5.0% 5.1% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	14.0% 0.3% 0.2% 1.2% 0.7% 6.1% 6.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.1% 0.1%
#1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 1.7% 3.5% 0.6% 1.1% 0.0% 0.1%	0.2% 0.1% 0.99% 0.5% 5.0% 5.0% 5.1% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	0.3% 0.2% 1.2% 0.7% 6.1% 6.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.1%
#1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	5.9% 2.0%	0.2% 1.0% 0.6% 5.5% 5.6% 0.1% 1.7% 3.5% 0.6% 1.1% 0.0% 0.1%	0.2% 0.1% 0.99% 0.5% 5.0% 5.0% 5.1% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	0.3% 0.2% 1.2% 0.7% 6.1% 6.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.1%
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	1.0% 0.6% 5.5% 5.6% 0.1% 0.1% 1.7% 0.6% 1.1% 0.0% 0.1% 0.0%	0.1% 0.9% 0.5% 5.0% 5.0% 5.2% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	0.2% 1.2% 0.7% 6.1% 6.1% 0.1% 0.2% 4.1% 0.7% 2.2% 1.2% 0.1% 0.1%
All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL. Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	0.6% 5.5% 5.6% 0.1% 0.1% 1.7% 3.5% 0.6% 1.1% 0.0% 0.1% 0.3%	0.5% 5.0% 5.0% 5.2% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0%	0.7% 6.1% 6.1% 6.6% 0.1% 0.2% 4.1% 0.7% 2.2% 0.1%
Other Plastic Not Numbered Film/Wrap/Bags METAL. Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	5.5% 5.6% 0.1% 0.1% 1.7% 3.5% 0.6% 1.1% 0.0% 0.1% 0.3%	5.0% 5.0% 5.2% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1%	6.1% 6.1% 6.6% 0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 0.1% 0.0%
Film/Wrap/Bags METAL. Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	5.6% 0.1% 0.1% 1.7% 3.5% 0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	5.0% 5.2% 0.1% 0.14% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0%	6.1% 6.6% 0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 0.1% 0.0%
METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	0.1% 0.1% 1.7% 3.5% 0.6% 1.1% 0.1% 0.0% 0.1%	5.2% 0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0%	6.6% 0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers	2.0%	0.1% 1.7% 3.5% 0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	0.1% 0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0%	0.1% 0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1%
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers		0.1% 1.7% 3.5% 0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	0.1% 1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0%	0.2% 1.9% 4.1% 0.7% 2.2% 1.2% 0.1% 0.0%
Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers		1.7% 3.5% 0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	1.4% 2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	1.9% 4.1% 0.7% 2.2% 1.2% 0.1% 0.0%
Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers		3.5% 0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	2.9% 0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	4.1% 0.7% 2.2% 1.2% 0.1% 0.0%
Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers		0.6% 1.1% 0.1% 0.0% 0.1% 0.3%	0.4% 1.7% 0.9% 0.1% 0.0% 0.1%	0.7% 2.2% 1.2% 0.1% 0.0%
Clear Green Blue Brown Deposit Glass Containers		1.1% 0.1% 0.0% 0.1% 0.3%	1.7% 0.9% 0.1% 0.0% 0.1%	2.2% 1.2% 0.1% 0.0%
Clear Green Blue Brown Deposit Glass Containers		0.1% 0.0% 0.1% 0.3%	0.9% 0.1% 0.0% 0.1%	1.2% 0.1% 0.0%
Green Blue Brown Deposit Glass Containers	0.8%	0.1% 0.0% 0.1% 0.3%	0.1% 0.0% 0.1%	0.1% 0.0%
Brown Deposit Glass Containers	0.8%	0.0% 0.1% 0.3%	0.0% 0.1%	0.0%
Deposit Glass Containers	0.8%	0.1% 0.3%	0.1%	
	0.8%		0.2%	U.∠70
1 O45 1 A45 - 1 O 11 1	0.8%	0.3%		0.4%
Other/ Mixed Cullet	0.8%		0.3%	0.4%
ннм			0.7%	1.0%
Automotive Products		0.3%	0.2%	0.4%
Paints and Solvents		0.2%	0.1%	0.2%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners		0.1%	0.0%	0.1%
Batteries (lead -acid) Batteries (other)		0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)		0.1% 0.1%	0.1%	0.1%
1		0.170	0.1%	0.2%
YARD WASTE Yard Waste	1.8%		1.3%	2.2%
Pumpkins		1.4% 0.4%	1.0%	1.7%
· ·		0.476	0.3%	0.6%
FOOD WASTE	11.1%		9.7%	12.5%
Food Waste		11.1%	9.7%	12.5%
WOOD	4.0%		3.2%	4.9%
Non-Treated Wood		1.7%	1.3%	2.2%
Treated Wood		2.3%	1.8%	2.9%
DURABLES	3.1%	- 1	2.4%	
All Electrical and Household Appl.	3.176	1.5%	1.1%	4.0% 1.9%
Other Durables		1.7%	1.2%	2.3%
TEXTILES	E 04/			
Textiles and Leather	5.2%	5.2%	4.4% 4.4%	6.0% 6.1%
		3.2%	4.470	0.176
DIAPERS	3.0%		2.4%	3.6%
Diapers		3.0%	2.4%	3.6%
RUBBER	0.6%	1	0.5%	0.8%
Rubber		0.6%	0.5%	0.8%
		1		
OTHER ORGANIC	1.7%		1.3%	2.0%
Other Organic		1.7%	1.3%	2.0%
OTHER INORGANIC	1.5%		4 49/	4 00/
Other Inorganic	1.576	4 50/	1.1%	1.9%
		1.5%	1.1%	1.9%
FINES/SUPERMIX	7.1%		6.1%	8.0%
Fines/ Supermix		7.1%	6.2%	8.1%
NFECTIOUS WASTĘ	0.7%		0.5%	1.0%
Infectious Waste		0.7%	0.5%	1.0%
CONSTRUCTION & DEMOLITION	4 66/			ı
C&D C&D	4.0%	400	3.0%	5.1%
		4.0%	3.0%	5.1%
TOTAL PERCENT	100.0%			

IOWA - ALL LOCATIONS MSW Composition Combined - Spring and Fall

Sample Size =
Total Wt Sorted =
Avg Wt per Sample:

424 loads 96,597 pounds 228 pounds

	otal Wt Sorted ≖ vg Wt per Sample =		96,597 228	pounds pounds	
WASTE CATEGORIES			T	90% Confi	dence
Material	ŀ			Interval	(%)
PAPER		Mean Perc 32.2%	entage	Lower	Upper
Newspaper		32.2%	3.3%	30.5% 2.9%	34.0% 3.6%
Magazines			2.5%	2.2%	2.8%
High Grade/ Office	1		2.3%	2.0%	2.5%
OCC and Kraft Bags			8.5%	7.7%	9.4%
Mixed Recyc Paper	1		5.4%	5.0%	5.9%
Other Non-Recyc Paper	İ		10.3%	9.4%	11.2%
PLASTIC	1	14.4%		13.3%	15.6%
#1 PET Containers	i		0.2%	0.2%	0.3%
#1 PET Deposit #2 HDPE Containers			0.1% 1.0%	0.1%	0.2%
All Other Numbered Contain	are		0.8%	0.9% 0.7%	1.1% 0.9%
Other Plastic Not Numbered			7.5%	6.7%	8.4%
Film/Wrap/Bags	l		4.8%	4.3%	5.2%
METAL	i	6.0%		5.5%	6.6%
Alum Non-Deposit Beverage	Containers	0.070	0.1%	0.0%	0.1%
Alum Deposit Beverage Cont	ainers		0.1%	0.1%	0.2%
Ferrous Food			1.7%	1.5%	1.9%
Other Ferrous Scrap			3.4%	3.0%	3.8%
Other Non-Ferrous Scrap	ļ		0.7%	0.6%	0.8%
GLASS		2.6%		2.2%	2.9%
Clear			1.0%	0.9%	1.1%
Green			0.1%	0.0%	0.1%
Blue Brown			0.0%	0.0%	0.0%
Deposit Glass Containers			0.2%	0.1% 0.3%	0.2% 0.4%
Other/ Mixed Cullet			1.1%	0.5%	1.3%
ннм					
		0.8%		0.7%	0.9%
Automotive Products Paints and Solvents			0.3%	0.2%	0.3%
Pesticides, Herbicides & Fung	nicides		0.2%	0.2% 0.0%	0.2% 0.0%
Household Cleaners	giolados		0.1%	0.0%	0.1%
Batteries (lead -acid)			0.0%	0.0%	0.0%
Batteries (other)	i		0.1%	0.1%	0.1%
Other (HHM containers w/pro	d inside)		0.1%	0.1%	0.1%
YARD WASTE	ł	1.7%		1.4%	2.0%
Yard Waste			1.3%	1.1%	1.5%
Pumpkins			0.4%	0.3%	0.5%
FOOD WASTE		10.7%		9.6%	11.8%
Food Waste	i		10.7%	9.6%	11.8%
WOOD		6.4%	1	5.5%	7.3%
Non-Treated Wood		0.4 /6	2.8%	2.3%	3.2%
Treated Wood			3.6%	3.0%	4.2%
	1				
DURABLES		3.8%		3.2%	4.5%
All Electrical and Household and Other Durables	Аррі.		1.6%	1.3%	1.9%
	ŀ		2.2%	1.8%	2.7%
TEXTILES		4.2%		3.7%	4.7%
Textiles and Leather			4.2%	3.7%	4.7%
DIAPERS		2.3%	1	2.0%	2.7%
Diapers			2.3%	2.0%	2.7%
RUBBER		0.8%		0.7%	0.9%
Rubber		0.0%	0.8%	0.7%	0.9%
			0.07.0	0.770	0.570
OTHER ORGANIC		1.7%	i	1.5%	2.0%
Other Organic			1.7%	1.5%	2.0%
OTHER INORGANIC	i	4 70/		4 40/	0.40/
	1	1.7%	4 70	1.4%	2.1%
Other Inorganic			1.7%	1.4%	2.1%
FINES/SUPERMIX	j	5.2%	1	4.6%	5.6%
Fines/ Supermix	İ		5.2%	4.7%	5.7%
NFECTIOUS WASTE		0.7%	- 1	0.5%	0.8%
Infectious Waste			0.7%	0.5%	0.8%
CONSTRUCTION & DELLO, PRO-		4 ~~*	- 1		
CONSTRUCTION & DEMOLITION C&D		4.8%	, , , ,	4.0%	5.7% 5.7%
			4.8%	4.0%	5.7%
TOTAL PERCENT		100.0%			

IOWA - ALL LOCATIONS Solid Waste Compositio Spring and Fall		
Sample Size = Total Wt Sorted = Avg Wt per Sample	423 96,370 228	loads pounds pounds
WASTE CATEGORIES Material		
PAPER	Mean Per	centage
Newspaper Magazines		2.4%
High Grade/ Office		1.9% 1.8%
OCC and Kraft Bags	ļ	5.9%
Mixed Recyc Paper Other Non- Recyc Paper	1	4.1%
PLASTIC	44.00	8.2%
#1 PET Containers	14.0%	0.2%
#1 PET Deposit	l	0.1%
#2 HDPE Containers All Other Numbered Containers		0.8%
Other Plastic Not Numbered		0.6% 8.5%
Film/Wrap/Bags		3.9%
METAL	4.4%	
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers		0.0%
Ferrous Food		0.1% 1.0%
Other Ferrous Scrap		2.8%
Other Non-Ferrous Scrap		0.4%
GLASS Clear	2.2%	
Green		0.8% 0.0%
Blue		0.0%
Brown Deposit Glass Containers		0.1%
Other/ Mixed Cullet		0.3 % 1.0 %
HHM	0.5%	1.07
Automotive Products	0.5%	0.2%
Paints and Solvents		0.1%
Pesticides, Herbicides & Fungicides Household Cleaners		0.0%
Batteries (lead -acid)		0.0% 0.0%
Batteries (other)		0.1%
Other (HHM containers w/prod inside)		0.0%
YARD WASTE Yard Waste	1.3%	4 000
Pumpkins		1.0% 0.3%
FOOD WASTE	5.9%	
Food Waste	3.5%	5.9%
WOOD	5.3%	
Non-Treated Wood	0.070	2.1%
Treated Wood		3.2%
DURABLES	3.3%	1
All Electrical and Household Appl. Other Durables		1.3%
FYTH FS		2.0%
Textiles and Leather	3.4%	3.4%
DIAPERS		3.4 /
Diapers	2.1%	2.1%
RUBBER	0.6%	2
Rubber	0.0%	0.6%
THER ORGANIC		0.076
Other Organic	1.3%	
_		1.3%
THER INORGANIC	1.6%	
Other Inorganic		1.6%
INES/SUPERMIX Fines/ Supermix	3.6%	
·		3.6%
NFECTIOUS WASTE Infectious Waste	0.1%	0.404
Į.		0.1%
ONSTRUCTION & DEMOLITION C&D	23.9%	22.00
		23.9%
PECIAL WASTES	2.3%	
Special Wastes		2.3%
TOTAL PERCENT	100.0%	

Solid Waste	CATIONS Composition			
	1997 Sample Size = Total Wt Sorted =		212 49,319	loads pounds
	g Wt per Sample ons Disposed/We		233 4,675	pounds tons/week
WASTE CATEGORIES	1		Estima	ited
Material	Mean Perc	enstre	Tons Mate	
PAPER	25.5%		1,191	
Newspaper Magazines	1	2.9% 2.2%		137 101
High Grade/ Office		1.5%		71
OCC and Kraft Bags	1	6.2%		290
Mixed Recyc Paper Other Non- Recyc Paper		4.0% 8.7%		187 405
PLASTIC	9.3%		436	
#1 PET Containers		0.1%		7
#1 PET Deposit #2 HDPE Containers	j	0.1% 0.6%		4 27
All Other Numbered Containers		0.3%		14
Other Plastic Not Numbered Film/Wrap/Bags		5.3%		248
METAL	4.6%	2.9%	214	137
Alum Non-Deposit Beverage Containers	4.070	0.0%	214	2
Alum Deposit Beverage Containers Ferrous Food	1	0.1%		4
Other Ferrous Scrap		1.8% 2.1%		84 96
Other Non-Ferrous Scrap	1	0.6%		28
GLASS	1.9%		91	
Clear Green	İ	0.7%		35
Blue	ŀ	0.0% 0.0%		1
Brown		0.1%		7
Deposit Glass Containers Other/ Mixed Cullet		0.2% 0.8%		8 40
ннм	0.6%	0.0.0	28	10
Automotive Products	0.0%	0.2%	20	8
Paints and Solvents		0.2%		
Pesticides, Herbicides & Fungicides Household Cleaners		0.0% 0.0%		8 1 2 0
Batteries (lead -acid)		0.0%		ô
Batteries (other) Other (HHM containers w/prod inside)		0.1% 0.1%		2
YARD WASTE	1.4%	0.7.7	67	1
Yard Waste	'~~	0.8%	0,	39
Pumpkins		0.6%		28
FOOD WASTE	8.6%		402	
Food Waste		8.6%		402
WOOD Non-Treated Wood	4.7%	1.6%	218	77
Treated Wood		3.0%		141
DURABLES	1.9%	l	88	
All Electrical and Household Appl.	1.3%	0.9%	00	41
Other Durables	i	1.0%		47
TEXTILES Textiles and Leather	2.4%		111	
		2.4%		111
DIAPERS Diapers	2.1%	2.1%	98	98
RUBBER	0.40	2.17	40	30
Rubber	0.4%	0.4%	18	18
		U.4 /6		18
OTHER ORGANIC Other Organic	1.4%	4 40/	64	2.
-		1.4%		64
OTHER INORGANIC	1.5%	, _,	70	1
Other Inorganic		1.5%		70
FINES/SUPERMIX Fines/ Supermix	4.5%	4.5%	209	209
INFECTIOUS WASTE	0.00	7.5%	•	203
Infectious Waste	0.6%	0.6%	26	26
CONSTRUCTION & DEMOLITION	20 00		4 949	23
C&D EMOLITION	26.0%	26.0%	1,216	1,216
SPECIAL WASTES	2.2%		102	.,,
Special Wastes	£-£ 70	2.2%	132	102

All Locations Solid Waste Composition Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

212 loads 47,278 pounds 223 pounds 4,868 tons/week

Magazines	Est Tons Disposed		4, 86 8	tons/week	
PAPER Newspaper Newspape					
PAPER Newspaper Newspape		Mean Pero	entage		
Magazines 1.7% 1.7% 2.2% 2.					
High Grade/Office		ı			93
OCC and Kraft Bags Kraft Bags Kraft Recyc Paper A226 226 236					81 93
Mixed Recyc Paper 1,3% 2 2 2 2 2 2 2 2 3 3					314
PLASTIC					205
## PET Containers ## PET Deposit ## Pet Deposit ## Pet Deposit ## Pet Deposit Beverage Containers	Other Non-Recyc Paper		7.3%		356
# I PET Containers # I PET Lopeosit # I	PLASTIC	13.6%		660	
# I PET Deposit # 2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags 4.6% 230 At 6% 3.46% 230 At 6% 3.46%	#1 PET Containers	1	0.2%		9
All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Other Forrous Scrap Other Non-Ferrou		1			6
Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers O.1% Ferrous Scrap Other Forrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet O.0% Brown Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Non-Ferrous Scrap Other Mixed Cullet Other Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet Other Othe		İ			43
### ### ##############################					41
METAL Alum Non-Deposit Beverage Containers A.7% Content		ł			336 225
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Geverage Containers Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Other Mixed Cullet Other Deposit Glass Containers Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Poducts Paints and Solvents Pesticides & Fungicides Pesticides, Herbicides & Fungicides Pesticides, Pesticides, Pesticides Pesticides, P	, -	479/	4.0%		223
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet Other Non-Ferrous Scrap Other Non-Ferrous Non-Ferrous Scrap Other Non-Ferrous		4.176	0.0%	230	1
Ferrous Food		i			6
Other Non-Ferrous Scrap 0.5% Clear 0.0% 0	Ferrous Food				39
Clear			3.3%		161
Clear 0.7% 0.0%	Other Non-Ferrous Scrap	1	0.5%		23
Clear 0.7% 3.7%	GLASS	2.2%		106	
Green 0.0% 810w 0.0% 0.1% 0.4% 0.4% 0.4% 0.4% 0.4% 0.5% 25 0.5% 25 0.5% 26 0.5% 26 0.5% 27 0.5% 27 0.5% 28 0.5%		1	0.7%		36
Brown			0.0%		1
Deposit Glass Containers					0
Other/ Mixed Cullet					4
### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead - acid) Batteries (lead - acid lead - acid lead - acid lead - acid lead - acid lead - acid lead - acid lead - acid lead		ĺ			19 46
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (other) Other (H-HM containers w/prod inside) Light Butbs YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Vother Durables All Electrical and Household Appl. Other Durables Textiles and Leather DIAPERS Diapers Rubber DIAPERS Diapers Rubber DITHER Other Demolition C&D CONSTRUCTION & DEMOLITION C&D SPECIAL WASTE Special Wastes 2.4% 116 127 128 1.27 1.28 0.0% 0.0% 1.29 1.29 1.29 1.29 1.29 1.29 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50		1	0.5%		40
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (H-IM containers w/prod inside) Light Bultbs YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE All Electrical and Household Appl. Other Durables Textiles Diapers Textiles and Leather Diapers Diapers Tother Organic There organic Th		0.5%		25	
Pesticides, Herbicides & Fungicides		1			10
Household Cleaners Batteries (lead -acid) Batteries (cother) 0.0% 0.0		1			5 0
Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) Light Bulbs YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste NOOD Non-Treated Wood Treated		i .			1
Light Bulbs 1.2% 60					o
Light Bulbs 1.2% 60			0.0%		2
YARD WASTE 1.2% 60 Yard Waste 1.2% 5 Pumpkins 7.3% 353 FOOD WASTE 7.3% 353 Food Waste 7.3% 353 WOOD 5.8% 280 Non-Treated Wood 2.6% 15 Treated Wood 2.6% 12 DURABLES 4.5% 221 All Electrical and Household Appl. 1.5% 217 Other Durables 1.5% 217 TEXTILES 4.5% 217 Textiles and Leather 4.5% 217 DIAPERS 1.5% 72 Diapers 1.5% 7 RUBBER 0.8% 41 Rubber 0.8% 41 Other Organic 1.3% 63 Other Organic 1.4% 68 Other Inorganic 1.4% 68 Other Inorganic 1.4% 68 Other Inorganic 0.5% 20 Other Inorganic 0.5% 20 Other Inorganic 0.5% 20					
Yard Waste Pumpkins 1.2% 0.1% FOOD WASTE 7.3% 353 Food Waste 7.3% 353 WOOD Non-Treated Wood Treated Wood Treated Wood Stew Stew Stew Stew Stew Stew Stew Stew	-		0.0%		1
Pumpkins		1.2%		60	
FOOD WASTE					57
Food Waste WOOD Non-Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles Totalies and Leather DIAPERS Diapers Diapers Tother Organic DIAPER Organic Other Organic DIAPER INORGANIC Other Inorganic THES/SUPERMIX Fines/ Supermix DIAPER Other Oth	Pumpkins		0.1%		3
Non-Treated Wood S.8% 3.1% 15 15 12 15 12 15 15 15	FOOD WASTE	7.3%	1	353	1
Non-Treated Wood T	Food Waste		7.3%		353
Non-Treated Wood T		5.8%		280	ļ
DURABLES All Electrical and Household Appl. Other Durables All Electrical and Household Appl. Other Durables Textiles Textiles and Leather DIAPERS Diapers Diapers Diape			3.1%		152
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather DIAPERS Diapers RUBBER Rubber Other Organic Other Organic THES/SUPERMIX Fines/ Supermix T	Treated Wood		2.6%		128
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather DIAPERS Diapers RUBBER Rubber Other Organic Other Organic THES/SUPERMIX Fines/ Supermix T	NIPARI ES	4.50		201	- 1
Company Comp		4.5%	1 504	221	73
TEXTILES		Ì			148
Textiles and Leather	CEYTII EC	4.50	0.070]
DIAPERS 1.5% 72 Diapers 1.5% 72 RUBBER 0.8% 41 RUBBER Rubber 0.8% 41 OTHER ORGANIC Other Organic 1.3% 63 OTHER INORGANIC Other Inorganic 1.4% 68 FINES/SUPERMIX Fines/ Supermix 3.1% 151 OTHER Other 0.5% 26 OTHER Other 0.5% 26 CONSTRUCTION & DEMOLITION C&D 21.3% 1,037 CAD 21.3% 1,037 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 116		4.5%	4 50/	217	~-
Diapers 1.5% 7 7 7 7 7 7 7 7 7			4.376		217
RUBBER Rubber RUBBER Rubber 0.8% 0.8% 41 0.8% 42 0.8% 43 0.8% 44 0.8% 45 46 1.3% 63 0.8% 1.3% 63 1.3% 68 0.8% 1.3% 68 0.8% 1.3% 68 0.8% 1.3% 68 1.4% 68 68 1.4% 68 68 1.4% 68 68 1.4% 68 68 1.4% 68 68 1.4% 68 68 68 60 1.4% 68 68 68 60 1.4% 68 68 60 1.4% 68 68 60 1.4% 60 1.4% 1.51 1.51 1.51 1.52 1.63		1.5%		72	1
Rubber 0.8% 4 DTHER ORGANIC 1.3% 63 Other Organic 1.3% 68 DTHER INORGANIC 1.4% 68 Other Inorganic 1.4% 61 FINES/SUPERMIX 3.1% 151 Fines/ Supermix 3.1% 15 DTHER 0.5% 26 Other 0.5% 26 CONSTRUCTION & DEMOLITION 21.3% 1,037 C&D 21.3% 1,037 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 116	Diapers		1.5%		72
### DTHER ORGANIC Other Organic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic #### Other Inorganic ##### Other Inorganic ##### Other Inorganic ##### Other Inorganic ###### Other Inorganic ###################################	RUBBER	0.8%	1	41	- 1
1.3% 63 1.3% 63 63 64 65 65 65 65 65 65 65	Rubber		0.8%		41
Other Organic 1.3% 68 OTHER INORGANIC 1.4% 68 Other Inorganic 1.4% 6 FINES/SUPERMIX 3.1% 151 Fines/ Supermix 3.1% 15 OTHER 0.5% 26 CONSTRUCTION & DEMOLITION 21.3% 1,037 C&D 21.3% 1,037 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 116]			``
### DTHER INORGANIC Other Inorganic FINES/SUPERMIX Fines/ Supermix #### DTHER Other Other #### CONSTRUCTION & DEMOLITION C&D SPECIAL WASTES Special Wastes ##################################	_	1.3%		63	1
Other Inorganic 1.4% 6 FINES/SUPERMIX 3.1% 151 Fines/ Supermix 3.1% 15 OTHER 0.5% 26 Other 0.5% 21 CONSTRUCTION & DEMOLITION 21.3% 1,037 C&D 21.3% 1,037 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 116	Other Organic	į	1.3%		63
Other Inorganic 1.4% 6 FINES/SUPERMIX 3.1% 151 Fines/ Supermix 3.1% 15 OTHER 0.5% 26 Other 0.5% 21 CONSTRUCTION & DEMOLITION 21.3% 1,037 C&D 21.3% 1,037 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 116	THER INORGANIC	4.494		60	ı
### SPECIAL WASTES Fines/SUPERMIX Fines/Supermix 3.1% 3.		177	1.494	•0	٠.
Fines/ Supermix 3.1% 15 OTHER	•		1.476		900
### DETAIL WASTES 2.4% 116		3.1%		151	
Other 0.5% 20 CONSTRUCTION & DEMOLITION C&D 21.3% 1,037 CEAD 21.3% 1,037 PECIAL WASTES 2.4% 116 Special Wastes 2.4% 116			3.1%		151
CONSTRUCTION & DEMOLITION 21.3% 1,037 C&D 21.3% 1,037 PECIAL WASTES 2.4% 116 Special Wastes 2.4% 116	THER	0.5%	1	26	ı
C&D 21.3% 1,03 SPECIAL WASTES 2.4% 116 Special Wastes 2.4% 110	Other		0.5%		26
C&D 21.3% 1,03 PECIAL WASTES 2.4% 116 Special Wastes 2.4% 110	CONSTRUCTION & DEMOLITION	24 294	j	4 827	1
PECIAL WASTES 2.4% 116 Special Wastes 2.4% 116		21.370	21.394	1,037	1 027
Special Wastes 2.4% 116			21.370		1,057
	* ***	2.4%		116	[
TOTAL PERCENT 400 000	opecial vvastes		2.4%		116
	TOTAL PERCENT	100.0%			——1

DES MOINES COUNTY
MSW Composition
Residential - Spring and Fall

Sample Size =
Total Wt Sorted =

34 loads 7,764 pounds 228 pounds

WASTE CATEGORIES Mean Percentage	Total Wt Sorted =		7,764	pounds	
Material Mean Percentage Interved (%)	Avg Wt per Sample =		228	pounds	
Mean Percentage					
PAPER Newspaper Newspape	Material	Moon Born			
Newspaper 3,7% 2,25% 3,4 Magazines 2,9% 2,1% 3,4 High Grade/ Office 1,3% 0,8% 2,1 COC and Kraft Bags 4,4% 3,1% 5,5 Mixed Recyc Paper 11,3% 9,0% 13,3 Mixed Recyc Paper 11,3% 9,0% 13,3 PLASTIC 11,5% 3,7% 13,3 #1 PET Containers 0,2%	PAPER		zentage		∪pper 35.1%
Magazines	· · · · — · ·	00.276	3.7%		4.9%
High Grade Office	Magazines				3.8%
Mibed Recyc Paper 6.6% 5.1% 8 Other Non-Recyc Paper 11.3% 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 13. 9.0% 13. 9		1			2.0%
Differ Norn-Recyc Paper		1			5.8%
PLASTIC					8.4%
#1 PET Containers #1 PET Containers #1 PET Deposit #1 PET Deposit #2 HDPE Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers All Other Numbered Containers All Other Numbered Containers All Other Numbered A17% 37% 5.5 METAL #1 All Mon-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Perrous Food 1.5% 1.1% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	· ·	1	11.3%	9.0%	13.9%
#1 PET Deposit #2 HDPC Containers #2 HDPC Containers #3 HDPC Containers #4 HDPC Containers #4 HDPC Containers #4 HDPC Containers #4 HDPC CONTAINER #4 HDPC CONTAINER #4 HDPC CONTAINER HDP		11.5%	1	9.7%	13.4%
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Freated Wood Other Other Non-Ferrous Scrap Other Non-Freated Non Other Other Non-Ferrous Scrap Other Non-Freated Non Other Other Non-Ferrous Scrap Other Non-Freated Non Other Other Non-Ferrous Scrap Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non-Freated Non Other Non Other Non Other Non Other Non Other Non Other Non Other No		1			0.5%
All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers O.1% Alum Deposit Beverage Containers O.2% Other Ferrous Scrap Other Non-Ferrous Scrap Other Mon-Ferrous Scrap Other On-Ferrous Scrap Other On-Ferrous Scrap Other On-Ferrous Scrap Other Mone Culter O.1% O.2% O.1% O.0% O.0% O.0% O.0% O.0% O.0% O.0% O.0		1			0.3%
Cither Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit God Other Ferrous Scrap Other Ferrous Scrap Other Non-Ferrou		1			1.4%
### ### ##############################		1			1.3% 5.8%
METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers 1.5% 1.1% 0.1% 0.0% 0.5% 1.1% 2.1% 0.1% 0.0% 0.5% 1.1% 2.2% 0.1% 0.0% 0.5% 1.1% 2.2% 0.1% 0.0% 0.5% 1.1% 2.2% 0.1% 0.0% 0.5% 1.1% 0.1% 0.0% 0.		ļ			5.5%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Social Scrap Other Social Scrap Other Social Scrap Other Social Scrap Other Mixed Culter Other Mixed Culter Other Mixed Culter Other Mixed Culter Other Social Scrap Other Mixed Culter Other Social Scrap Other Mixed Culter Other Social Scrap Other Mixed Culter Other Social Scrap Other Scrap Other	METAL.	6 29/			7.7%
Alum Deposit Beverage Containers Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other Mixed Cullet Other (H-HM containers wiprod inside) YARD WASTE Yard Waste Pumpkins ONO Non-Treated Wood Treated Wood Other Scrap Other Mixed Cullet OURABLES All Electrical and Household Appl. Other Unrables Textilles		0.2 %	0.1%		0.2%
Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HHM O.7% Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Food Waste Food Waste Food Waste DURASTE Food Waste DURASTE Solventa All Electrical and Household Appl. Other Durables Textiles DIAPERS Diapers Rubber OTHER Roganic OTHER Roganic CRD CONSTRUCTION & DEMOLITION CRD CONSTRUCTIO		ļ			0.2%
Other Ferrous Scrap 3,7% 2,3% 5,5% 1. GLASS 2.3% 1,7% 1,2% 2. Green 1,7% 1,2% 2. 3. Blue 0,0% 0,0% 0,0% 0. Brown 0,3% 0,2% 0. 0. Deposit Glass Containers 0,3% 0,1% 0. Other/ Mixed Cullet 0,7% 0,3% 0,1% 0. HHM 0,7% 0,3% 0,1% 0. Automotive Products 0,3% 0,1% 0. Paints and Solvents 0,3% 0,1% 0. Paints and Solvents 0,0% 0,1% 0.0% Paints and Solvents 0,0% 0,0% 0. Paints and Solvents 0,0% 0,0% 0. Paints and Solvents 0,0% 0,0% 0. Batteries (lead -acid) 0,0% 0,0% 0. Batteries (lead -acid) 0,0% 0,0% 0. All Electrica		i			2.0%
Cher Non-Ferrous Scrap 0.8% 0.5% 1.	Other Ferrous Scrap	ŀ	3.7%	2.3%	5.4%
Clear 1.7% 1.2% 2.2	Other Non-Ferrous Scrap		0.8%	0.5%	1.1%
Clear 1.7% 1.2% 2.2	GLASS	2.3%		1 7%	3.0%
Green Blue Blue Brown Deposit Glass Containers Other/ Mixed Cullet HHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (was be pumpkins YARD WASTE Yard Waste Pumpkins Food Waste Food Waste Non-Treated Wood Treated	Clear		1.7%		2.2%
Brown Deposit Glass Containers 0.3% 0.2% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0%			0.1%		0.1%
Deposit Glass Containers Other/ Mixed Cullet HHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOd Waste 10.7% 10.	=			0.0%	0.0%
Cither/ Mixed Cullet		l			0.4%
### Automotive Products Palints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (ether) Other (I-HM containers w/prod inside) YARD WASTE Yard Waste Pompkins FOOD WASTE Food Waste University Products All Electrical and Household Appl. Other Durables Textiles Diapers Diapers Diapers Rubber OTHER RORGANIC Other Organic OTHER OTHER OTHER CO					0.5%
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE AND HARD PRODUCT AND Treated Wood Treated		l	0.1%	0.0%	0.2%
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HIHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Pood Waste Non-Treated Wood Treated Woo		0.7%		0.5%	1.0%
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (lead-acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Non-Treated Wood Treated Wood				0.1%	0.5%
Household Cleaners 0.1% 0.0% 0.7% 0.0% 0.7% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.2% 0.1% 0.2% 0.1% 0.2% 0.9% 0.2% 0.0% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0%		i			0.1%
Batteries (lead -acid) Batteries (other) Other (H-IM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood All Electrical and Household Appl. Other Durables Textiles Diapers Diapers Rubber OTHER Organic Other Organic Other Oth		•			0.0%
Batteries (other) Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE		1			0.1%
Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Food Waste Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles Diapers Diapers RUBBER Rubber OTHER ORGANIC OTHER INORGANIC OTHER OTHE					0.0%
YARD WASTE Yard Waste Pumpkins 1.6% 0.9% 2.4 Pumpkins 1.6% 0.9% 2.4 FOOD WASTE Food Waste 10.7% 7.9% 13.7 WOOD Non-Treated Wood Treated Wood 5.6% 3.2% 8.6 All Electrical and Household Appl. Other Durables 6.9% 3.6% 11.2 All Electrical and Household Appl. 					0.1%
Yard Waste Pumpkins 1.6% 0.9% 2.4 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.	YARD WASTE	1 6%			1
Pumpkins		1.07	1.6%		2.4%
Text Text					0.0%
Food Waste 10.7% 7.9% 13.7 WOOD 5.6% 3.2% 8.6	5000 W. 655		1		
Non-Treated Wood 1.1% 0.6% 1.8 1.4 1.5% 2.4% 7.2		10.7%	40.70		13.7%
Non-Treated Wood 1.1% 0.6% 1.8 1.4 1.5% 2.4% 7.2 1.2			10.7%	7.9%	13.7%
Treated Wood 4.5% 2.4% 7.2 DURABLES All Electrical and Household Appl. 2.1% 1.2% 3.3 Other Durables 4.8% 2.0% 8.7 TEXTILES 9.2% 6.7% 11.9 DIAPERS 4.3% 3.0% 5.9 Diapers 4.3% 3.0% 5.9 RUBBER 0.2% 0.1% 0.4 Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 0.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 OTHER INORGANIC 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 DTHER Other 0.2% 0.1% 0.4 OTHER 0.2% 0.1% 0.4 OTHER 0.2% 0.7% 0.3% 1.1 CONSTRUCTION & DEMOLITION 0.4 CONSTRUCTION & DEMOLITION 0.4 CONSTRUCTION & DEMOLITION 0.4% 5.1 C&D 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 0.4% 5.1 C&D 0.2% 0.1% 0.4	··	5.6%	. 1		8.6%
DURABLES All Electrical and Household Appl. Other Durables All Electrical and Household Appl. Other Durables Textiles Textiles and Leather DIAPERS Diapers Colapers Colapers Colapers Colapers Diapers					1.8%
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather DIAPERS Diapers RUBBER Rubber OTHER Organic Other Organic Other Inorganic DIAPER INORGANIC Other Inorganic Other Inorganic OTHER INORGANIC Other Inorganic OTHER O.2% OTHER O.3% O	Treated 99000		4.5%	2.4%	7.2%
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather DIAPERS Diapers RUBBER Rubber OTHER Organic Other Organic Other Inorganic DiAPERMIX Fines/Supermix OTHER Other Other	DURABLES	6.9%		3.6%	11.2%
Other Durables 4.8% 2.0% 8.7 TEXTILES 9.2% 6.7% 11.9 DIAPERS 4.3% 3.0% 5.9 Diapers 4.3% 3.0% 5.9 RUBBER 0.2% 0.1% 0.4 Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 1.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 CAD 3.0% 1.4% 5.1	All Electrical and Household Appl.		2.1%		3.3%
Textiles and Leather 9.2% 6.7% 11.9 DIAPERS 4.3% 3.0% 5.9 Diapers 4.3% 3.0% 5.9 RUBBER 0.2% 0.1% 0.4 Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 OTHER 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	Other Durables		4.8%	2.0%	8.7%
Textiles and Leather 9.2% 6.7% 11.9 DIAPERS	TEXTILES	9.2%	i	6 7%	11.9%
DIAPERS 1.3% 3.0% 5.9	Textiles and Leather		9.2%		11.9%
Diapers 4.3% 3.0% 5.9	DIADEDE	4 00/			
RUBBER 0.2% 0.1% 0.4 Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 1.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1		4.3%	1394		5.9%
Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 1.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	· ·		4.5%	3.076	3.976
OTHER ORGANIC Other Organic Other Inorganic Ot		0.2%		0.1%	0.4%
Other Organic 1.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	Rubber		0.2%	0.1%	0.4%
Other Organic 1.5% 0.8% 2.4 OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	OTHER ORGANIC	4 59/	1	0.04/	
OTHER INORGANIC 0.7% 0.3% 1.1 Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1		1.5%	4 5 1		
Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	Other Organic		1.5%	0.8%	2.4%
Other Inorganic 0.7% 0.3% 1.1 FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	OTHER INORGANIC	0.7%	i	0.3%	1.1%
FINES/SUPERMIX 6.6% 4.8% 8.5 Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	Other Inorganic		0.7%		1.1%
Fines/ Supermix 6.6% 4.8% 8.5 OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	INEC/CI (DEDMIY	C C9/			
OTHER 0.2% 0.1% 0.4 Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1		0.0%	6.6%		
Other 0.2% 0.1% 0.4 CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1	·		3.070		
CONSTRUCTION & DEMOLITION 3.0% 1.4% 5.1 C&D 3.0% 1.4% 5.1		0.2%	_ [0.4%
C&D 3.0% 1.4% 5.1	Otner		0.2%	0.1%	0.4%
C&D 3.0% 1.4% 5.1	CONSTRUCTION & DEMOLITION	3.0%		1.4%	5.1%
5.5%		J. 0 /6	3.0%		5.1%
I UIAL PERCENT 100.0%					J. 170
	TOTAL PERCENT	100.0%			

DES MOINES COUNTY MSW Composition Commercial - Spring and Fail

 Sample Size =
 39
 loads

 Total Wt Sorted =
 8,839
 pounds

 Avg Wt per Sample =
 227
 pounds

Avg Wt per Sample =		8,839 227	pounas pounds	
WASTE CATEGORIES			90% Confi	dence
Material	1		Interval	
	Mean Per	centage	Lower	Upper
PAPER	27.0%	1	20.0%	34.6%
Newspaper	1	0.8%	0.5%	1.3%
Magazines High Grade/ Office	i	0.9%	0.4%	1.4%
OCC and Kraft Bags	1	2.1% 11.1%	1.2% 7.4%	3.1%
Mixed Recyc Paper	1	3.4%	7.4 70 2.2%	15.3% 4.7%
Other Non-Recyc Paper	ļ	8.9%	5.6%	12.8%
PLASTIC	45.00	5.5 %		
#1 PET Containers	15.0%	0.49	10.2%	20.5%
#1 PET Deposit	1	0.1% 0.2%	0.1% 0.1%	0.2%
#2 HDPE Containers	1	0.7%	0.1%	0.2% 1.1%
All Other Numbered Containers	<u> </u>	0.5%	0.3%	0.8%
Other Plastic Not Numbered	i	10.7%	6.5%	15.8%
Film/Wrap/Bags		2.8%	1.8%	4.0%
METAL	4.5%	- 1	3.1%	6.1%
Alum Non-Deposit Beverage Containers	1	0.1%	0.0%	0.1%
Alum Deposit Beverage Containers		0.3%	0.1%	0.4%
Ferrous Food	1	0.7%	0.4%	1.0%
Other Ferrous Scrap		3.0%	1.7%	4.5%
Other Non-Ferrous Scrap		0.6%	0.3%	0.9%
GLASS	2.9%		1.4%	4.9%
Clear		0.4%	0.2%	0.6%
Green		0.0%	0.0%	0.0%
Blue	i	0.0%	0.0%	0.0%
Brown	ł	0.1%	0.1%	0.2%
Deposit Glass Containers Other/ Mixed Cullet	1	0.1%	0.0%	0.1%
Other Mixed Cullet	1	2.3%	0.9%	4.3%
HHM	0.7%	1	0.4%	1.1%
Automotive Products		0.3%	0.1%	0.5%
Paints and Solvents	ŀ	0.3%	0.1%	0.5%
Pesticides, Herbicides & Fungicides		0.1%	0.0%	0.1%
Household Cleaners	1	0.0%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other) Other (HHM containers w/prod inside)	1	0.0%	0.0%	0.0%
		0.0%	0.0%	0.0%
YARD WASTE	1.3%		0.6%	2.3%
Yard Waste	İ	1.3%	0.6%	2.3%
Pumpkins	Į.	0.0%	0.0%	0.0%
FOOD WASTE	7.0%		3.9%	10.8%
Food Waste	1	7.0%	3.9%	10.8%
WOOD	15.1%	1	9.4%	21.9%
Non-Treated Wood	15.176	7.1%	4.0%	11.0%
Treated Wood	1	8.1%	4.3%	12.8%
	ŀ			.2.0.0
DURABLES	2.1%		0.9%	3.6%
All Electrical and Household Appl.	1	1.1%	0.5%	2.0%
Other Durables	1	0.9%	0.4%	1.7%
TEXTILES	1.7%		1.0%	2.6%
Textiles and Leather	ł	1.7%	1.0%	2.6%
DIAPERS	0.6%	1	0.29/	
Diapers	0.6%	0.6%	0.3% 0.3 %	0.9% 0.9%
·	1	0.076	0.576	0.5%
RUBBER	2.2%	1	1.0%	3.8%
Rubber		2.2%	1.0%	3.8%
OTHER ORGANIC	0.00			
	2.0%		0.9%	3.5%
Other Organic	l .	2.0%	0.9%	3.5%
THER INORGANIC	5.3%		2.0%	10.0%
Other Inorganic	1	5.3%	2.0%	10.0%
_		5.5 %		
INES/SUPERMIX	1.8%		1.0%	2.7%
Fines/ Supermix	1	1.8%	1.1%	2.8%
THER	0.2%	1	0.1%	0.3%
Other		0.2%	0.1%	0.3%
ONSTRUCTION & DELICH ITION				1
C&D	10.8%	40.00	5.1%	18.3%
	l	10.8%	5.1%	18.3%
TOTAL PERCENT	100.0%			
	/6			

DES MOINES COUNTY
MSW Composition
Mixed - Spring and Fall

Sample Size = Total Wt Sorted =

loads 12 2 761

Avg Wt per Sample = WASTE CATEGORIES Material Mean Perc PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HHM 0.6%	230 entage	90% Confi	
Material PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	entage		
PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	entage		
PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	cinage	Interval Lower	(%) Upper
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet		16.2%	48.4%
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	2.0%	0.8%	3.7%
OČC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	1.8%	0.7%	3.4%
Mixed Recyc Paper Other Non- Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	3.1%	0.9%	6.6%
Other Non-Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	8.1%	4.2%	13.2%
PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	4.9% 11.3%	2.1%	8.8%
#1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	11.3%	4.6%	20.3%
#1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet		6.4%	14.1%
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.2%	0.0%	0.3%
All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.1% 0.9%	0.0%	0.2%
Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.4%	0.4% 0.1%	1.8% 0.8%
METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	4.9%	2.9%	7.5%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	3.5%	1,4%	6.3%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	ļ	4.6%	14.1%
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.1%	0.0%	0.2%
Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.1%	0.0%	0.2%
Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	1.5%	0.6%	2.8%
GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	6.1%	2.3%	11.4%
Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	1.0%	0.3%	2.3%
Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet	ļ	0.4%	2.3%
Blue Brown Deposit Glass Containers Other/ Mixed Cullet	0.8%	0.3%	1.7%
Brown Deposit Glass Containers Other/ Mixed Cullet	0.1%	0.0%	0.2%
Deposit Glass Containers Other/ Mixed Cullet	0.0%	0.0%	0.0%
Other/ Mixed Cullet	0.2%	0.1%	0.5%
.	0.0% 0.0%	0.0 % 0.0 %	0.0% 0.0%
IHHM ! A COL	0.076	0.076	
	1	0.2%	1.1%
Automotive Products	0.2%	0.0%	0.3%
Paints and Solvents	0.3%	0.0%	0.7%
Pesticides, Herbicides & Fungicides Household Cleaners	0.0%	0.0%	0.0%
Batteries (lead -acid)	0.0%	0.0% 0.0%	0.0% 0.0%
Batteries (other)	0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)	0.1%	0.0%	0.1%
YARD WASTE 1.2%		0.2%	2.9%
Yard Waste	0.6%	0.1%	1.5%
Pumpkins	0.6%	0.1%	1.6%
500D W40TT			
FOOD WASTE 4.6% Food Waste	400	1.9%	8.5%
	4.6%	1.9%	8.5%
WOOD 9.5%		4.5%	16.1%
Non-Treated Wood Treated Wood	2.4%	0.7%	5.0%
Heated 44000	7.1%	2.6%	13.6%
DURABLES 13.9%		3.4%	29.9%
All Electrical and Household Appl.	4.2%	0.7%	10.5%
Other Durables	9.7%	1.7%	23.1%
TEXTILES 5.5%		2.2%	10.3%
Textiles and Leather	5.5%	2.2%	10.3%
·			1
DIAPERS 2.2% Diapers	0.00	0.5%	5.1%
	2.2%	0.5%	5.1%
RUBBER 1.9%	ŀ	0.5%	4.1%
Rubber	1.9%	0.5%	4.1%
OTHER ORGANIC 2 6%	i		
		0.5%	6.4%
Other Organic	2.6%	0.5%	6.4%
OTHER INORGANIC 0.0%	İ	0.0%	0.1%
Other Inorganic	0.0%	0.0%	0.1%
	0.0%		
FINES/SUPERMIX 3.3%		1.2%	6.4%
Fines/ Supermix	3.3%	1.2%	6.4%
OTHER 0.1%		0.0%	0.2%
Other		V.V /4	
CONSTRUCTION & DEMOLITION 3.7%	0.1%	0.0%	0.2%
CONSTRUCTION & DEMOLITION 3.7% C&D	0.1%	0.0%	
		0.0% 0.9%	8.3%
TOTAL PERCENT 100.0%	0.1% 3.7%	0.0%	

DES MOINES COUNTY MSW Composition Combined - Spring and Fall

Sample Size = Total Wt Sorted = Avg Wt per Sample =

85 19,365 228

loads pounds pounds

Avg Wt per Sample =	228		
WASTE CATEGORIES		90% Conf	
Material	Mean Percentage	Interval Lower	Upper
PAPER	28.9%	24.6%	33.3%
Newspaper	2.1%		2.7%
Magazines	1.89		2.3%
High Grade/ Office	1.9%		2.5%
OCC and Kraft Bags	8.0%		9.9%
Mixed Recyc Paper	4.9%		6.0% 12.5%
Other Non-Recyc Paper			
PLASTIC	12.9%	10.6%	15.3%
#1 PET Containers	0.29		0.3%
#1 PET Deposit	0.2%		0.2%
#2 HDPE Containers	0.9%		1.1% 0.9%
All Other Numbered Containers Other Plastic Not Numbered	7.5%		9.5%
Film/Wrap/Bags	3.5%		4.3%
METAL	5.8%	4.7%	6.9%
Alum Non-Deposit Beverage Containers	0.1%		0.1%
Alum Deposit Beverage Containers	0.2%		0.3%
Ferrous Food	1.1%		1.4%
Other Ferrous Scrap	3.7%		4.8%
Other Non-Ferrous Scrap	0.7%		0.9%
GLASS	2.4%	1.7%	3.3%
Clear	1.0%	1	1.2%
Green	0.0%		0.0%
Blue	0.0%		0.0%
Brown	0.2%	0.1%	0.3%
Deposit Glass Containers	0.1%		0.2%
Other/ Mixed Cullet	1.1%	0.6%	1.7%
ннм	0.7%	0.5%	0.9%
Automotive Products	0.3%	0.2%	0.4%
Paints and Solvents	0.2%		0.3%
Pesticides, Herbicides & Fungicides	0.0%		0.1%
Household Cleaners	0.0%		0.1%
Batteries (lead -acid)	0.0%		0.0%
Batteries (other)	0.1%		0.1%
Other (HHM containers w/prod inside)	0.0%	1	0.1%
YARD WASTE	1.4%	0.9%	2.0%
Yard Waste	1.3%		1.8%
Pumpkins	0.1%	0.0%	0.1%
FOOD WASTE	8.1%	6.1%	10.3%
Food Waste	8.1%	6.1%	10.3%
WOOD	10.5%	7.7%	. 13.7%
Non-Treated Wood	4.0%		5.6%
Treated Wood	6.5%		8.8%
	1		
DURABLES	6.2%	4.0%	8.7%
All Electrical and Household Appl.	2.0%		2.9%
Other Durables	4.1%		6.2%
TEXTILES	4.9%	3.7%	6.2%
Textiles and Leather	4.9%	3.7%	6.2%
DIAPERS	2.3%	1.6%	3.1%
Diapers	2.3%	1.6%	3.1%
nuneen	1 444	0.9%	2.0%
RUBBER	1.4%	1	
Rubber	1.4%	0.9%	2.0%
OTHER ORGANIC	1.9%	1.2%	2.7%
	1.9%		2.7%
Other Organic	1.00	1.2~	~
OTHER INORGANIC	2.7%	1.5%	4.2%
Other Inorganic	2.7%	1.5%	4.2%
FINES/SUPERMIX	200	2.9%	5.0%
FINES/SUPERMIX Fines/ Supermix	3.9%		5.0%
·		l	
OTHER	0.2%	0.1%	0.2%
Other	0.2%	0.1%	0.2%
CONSTRUCTION & DEMOLITION	6.7%	4.2%	9.7%
C&D	6.7%		9.7%
			217.70
TOTAL PERCENT	100.0%		

DES MOINES COUNTY		···
Solid Waste Composition Spring and Fall	1	
Sample Size = Total Wt Sorted =	85 19,365	loads pounds
Avg Wt per Sample WASTE CATEGORIES	228	pounds
Material	Mean Per	centage
PAPER	21.8%	
Newspaper Magazines		1.6% 1.3%
High Grade/ Office		1.4%
OCC and Kraft Bags		6.2%
Mixed Recyc Paper Other Non- Recyc Paper		3.7%
PLASTIC		7.6%
#1 PET Containers	10.0%	0.00
#1 PET Deposit		0.2% 0.1%
#2 HDPE Containers		0.7%
All Other Numbered Containers		0.5%
Other Plastic Not Numbered FilmWrap/Bags		5.8% 2.7%
METAL.	4 404	2.170
Alum Non-Deposit Beverage Containers	4.4%	0.1%
Alum Deposit Beverage Containers		0.1%
Ferrous Food		0.9%
Other Ferrous Scrap		2.8%
Other Non-Ferrous Scrap		0.5%
GLASS	1.7%	
Clear Green		0.7%
Blue		0.0% 0.0%
Brown		0.2%
Deposit Glass Containers		0.1%
Other/ Mixed Cullet		0.8%
HHM	0.5%	
Automotive Products		0.2%
Paints and Solvents Pesticides, Herbicides & Fungicides		0.2%
Household Cleaners		0.0 % 0.0 %
Batteries (lead -acid)		0.0%
Batteries (other)		0.0%
Other (HHM containers w/prod inside)		0.0%
YARD WASTE	1.1%	
Yard Waste Pumpkins		1.0% 0.1%
` <u> </u>		0.1%
FOOD WASTE Food Waste	6.0%	
		6.0%
WOOD	8.0%	
Non-Treated Wood Treated Wood		3.0% 5.0%
		5.0%
DURABLES	5.0%	l
All Electrical and Household Appl. Other Durables		1.7%
		3.3%
TEXTILES Textiles and Leather	3.8%	2 22
		3.8%
DIAPERS	1.7%	
Diapers		1.7%
RUBBER	1.1%	1
Rubber		1.1%
OTHER ORGANIC	1.4%	
Other Organic	1.770	1.4%
		1.4 70
OTHER INORGANIC	1.9%	
		1.9%
Other Inorganic	3.0%	
FINES/SUPERMIX		3.0%
9		
FINES/SUPERMIX	0.1%	
FINES/SUPERMIX Fines/ Supermix	0.1%	0.1%
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE		0.1%
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste	0.1% 26.5%	0.1 % 26.5 %
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D	26.5%	
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D SPECIAL WASTES		26.5%
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D	26.5%	

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Residential - Spring and Fail

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

13 loads 2,608 pounds 201 pounds

Material Mean Percentage Interval (%) Diver Upper 18.7% 1.0% 1.	Avg Wt per Sample =		201	pounds		
Nean Percentage	WASTE CATEGORIES Material		П			
Newspaper 18.7% 10.4% 22.5% 10.9% 44.6% 22.5% 10.9% 3.3% 2.1% 10.9% 10						
Magazines	· · · · · · · · · · · · · · · · · · ·				28.8%	
High Graded Office					4.0%	
CCC and Kraft Bags S.5% Maxed Recey Paper S.5% S.5% Maxed Recey Paper S.5% S.					2.0% 2.1%	
Mixed Recyc Paper					9.3%	
# PLASTIC # PET Containers # 1 PET Containers # 1 PET Deposit # 1 PET Deposit # 1 PET Deposit # 1 PET Deposit # 1 PET Deposit # 1 Deposit Per Deposit # 1 Deposit Per Deposit # 1 Deposit Per Deposit # 1 Deposit Per Deposit					7.1%	
## I PET Containers ## 1 PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit ## I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet Pet Pet I PET Deposit Pet Pet I PET Deposit Pet Pet I PET Deposit Pet Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet I PET Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Deposit Pet Pet Pet Pet Pet Pet Pet Pet Pet Pe	Other Non-Recyc Paper	5	.1%	2.6%	8.3%	
## PET Containers ## PET Lopeosit ## PET Lopeosit ## PET Lopeosit ## PET Lopeosit ## 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 12 HDFE Containers	PLASTIC	9.0%	ı	5.1%	13.8%	
## IPET Deposit ## IPET Deposit ## IPET Deposit ## IPET Containers ## IPET CONTAINERS ##	#1 PET Containers		2%		0.4%	
All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous		0.	0%	0.0%	0.1%	
Other Plastic Not Numbered Film/Wrap/Bags					2.4%	
### Film/Wrap/Bags ### METAL ### Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Cher Ferrous Scrap Cher Non-Ferrous Scrap Clear Green Blue Brown Brown Deposit Glass Containers Cher/ Mixed Cullet ### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batter					1.2%	
METAL Alum Non-Deposit Beverage Containers 0.0% 0.					7.9%	
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap SLASS Clear C	. •		ا‴"			
Alum Deposit Beverage Containers Ferrous Scrap Other Ferrous Scrap Other Non-F					20.2%	
Ferrous Food					0.0%	
Other Ferrous Scrap Other Non-					2.5%	
Cither Non-Ferrous Scrap 2.3% 0.7% 4.8	Other Ferrous Scrap				16.7%	
Clear 1.5% 0.5% 2.8	Other Non-Ferrous Scrap				4.8%	
Clear 1.5% 0.5% 2.8	GLASS	2.1%	- 1	1 0%	3.8%	
Green 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0%			5%l		2.8%	
Brown					0.0%	
Deposit Glass Containers Other/ Mixed Cullet 1.1% Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (lead-acid) Batteries (other) Cher (H-HM containers w/prod inside) CARD WASTE Yard Waste Pumpkins Pood Waste Prod Was					0.0%	
Other Mixed Cullet					0.5%	
Automotive Products					0.3% 0.7%	
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (clher) Cither (H-IM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins COOD WASTE Food Waste Food Waste Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Cither Durables Textiles and Leather DIAPERS Diapers CUBBER Rubber CITHER ORGANIC Other Organic CINES/SUPERMIX Fines/ Supermix Fine			376			
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead					2.1%	
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (H-IM containers w/prod inside) /ARD WASTE Yard Waste Pumpkins Pood Waste Food Waste NOOD Non-Treated Wood Treated W		1			0.7%	
Household Cleaners Batteries (tead -acid) Batteries (ead -acid) Batteries (other) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other (H-IM containers w/prod inside) Other Vaste Yard Waste Yard Waste South Waste Food Waste Fo					0.1%	
Batteries (lead -acid) Batteries (other) Other (H-HM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins COD WASTE Food Waste Food Waste NOOD Non-Treated Wood Treated Wood					0.1%	
Batteries (other) Other (I-HM containers w/prod inside (I-HM containers w/prod inside (I-HM c					0.0%	
ARD WASTE	Batteries (other)			0.1%	0.6%	
Yard Waste Pumpkins 3.1% 0.5% 8.1 Pumpkins 0.0% 0.0% 0.0 FOOD WASTE Food Waste 7.0% 2.6% 13.3 Food Waste 7.0% 2.6% 13.3 NOOD Non-Treated Wood Treated Wood Treated Wood 7.9% 2.5% 16.0 1.8% 0.6% 3.6 NURABLES All Electrical and Household Appl. Other Durables 8.5% 3.4% 15.8 All Electrical and Household Appl. Other Durables 4.7% 1.5% 9.5 Textiles Textiles and Leather 5.4% 2.8% 8.7 Textiles and Leather 5.4% 2.8% 8.7 NAPERS Diapers 2.3% 0.7% 4.9° Diapers 2.3% 0.7% 4.9° RUBBER Rubber 2.3% 0.8% 4.7° OTHER ORGANIC Other Organic 2.7% 0.9% 5.3° OTHER INORGANIC Other Inorganic 1.6% 0.5% 3.2° OTHER INORGANIC Other Inorganic 1.6% 0.5% 3.2° SINES/SUPERMIX Fines/ Supermix 5.9% 3.2% 9.3° STHER Other Other 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Other (HHM containers w/prod inside)	0.	4%	0.1%	0.7%	
Pumpkins 0.0% 0.0% 0.0 0.0 0.00 0.00 0.00 0.00	YARD WASTE	3.1%		0.5%	8.1%	
FOOD WASTE Food Waste		3,	1%	0.5%	8.1%	
Food Waste Food W	Pumpkins	0.	0%	0.0%	0.0%	
Food Waste Food W	FOOD WASTE	7 0%	- 1	2 6%	13.3%	
NOOD Non-Treated Wood Treated			0%		13.3%	
Non-Treated Wood 1.8% 0.6% 3.6 7.9% 2.5% 16.0 DURABLES	MOOD	0.79/		2 29/		
Treated Wood 7.9% 2.5% 16.00 DURABLES All Electrical and Household Appl. Other Durables 7.9% 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 9.5 1.5% 1.5% 9.5 1.5%			R%		3.6%	
DURABLES 3.4% 15.8% All Electrical and Household Appl. Other Durables 4.7% 1.5% 9.5 TEXTILES 2.8% 8.7° Textiles and Leather 5.4% 2.8% 8.7° MAPERS 2.3% 0.7% 4.9° Diapers 2.3% 0.7% 4.9° RUBBER 2.3% 0.8% 4.7° Rubber 2.3% 0.8% 4.7° OTHER ORGANIC 2.7% 0.9% 5.3° OTHER INORGANIC 1.6% 0.5% 3.2° OTHER INORGANIC 1.6% 0.5% 3.2° OTHER INORGANIC 1.6% 0.5% 3.2° OTHER SUPERMIX 5.9% 3.2% 9.3° STHER SUPERMIX 5.9% 3.2% 9.3° OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% ONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6° CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6°					16.0%	
All Electrical and Household Appl. Other Durables TextileS TextileS and Leather Textiles and Leather Diapers Diapers Cuber Durables 5.4% 2.8% 8.7' 5.4% 2.8% 8.7' 5.4% 2.8% 8.7' 5.4% 2.8% 8.7' 5.4% 2.8% 8.7' 6.49' 6.5% 6.6%						
Other Durables 3.9% 0.7% 9.5 TEXTILES 5.4% 2.8% 8.7° Textiles and Leather 5.4% 2.8% 8.7° IMAPERS 2.3% 0.7% 4.9° Diapers 2.3% 0.7% 4.9° RUBBER 2.3% 0.8% 4.7° Rubber 2.3% 0.8% 4.7° OTHER ORGANIC 2.7% 0.9% 5.3° Other Organic 2.7% 0.9% 5.3° OTHER INORGANIC 1.6% 0.5% 3.2° OTHER INORGANIC 1.6% 0.5% 3.2° Other Inorganic 1.6% 0.5% 3.2° INDES/SUPERMIX 5.9% 3.2% 9.3° OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0%					15.8%	
#EXTILES					9.5%	
Textiles and Leather 5.4% 2.8% 8.7° DIAPERS 0.7% 4.9° DIAPERS 2.3% 0.7% 4.9° RUBBER 2.3% 0.8% 4.7° Rubber 2.3% 0.8% 4.7° DTHER ORGANIC 0.9% 5.3° Other Organic 2.7% 0.9% 5.3° DTHER INORGANIC 1.6% 0.5% 3.2° Other Inorganic 1.6% 0.5% 3.2° DIAPER SUPERMIX 5.9% 3.2% 9.3° DTHER ORGANIC 0.0% 0.0% 0.0° OTHER ORGANIC 0.0% 0.0% 0.0° DTHER ORGANIC 0.0% 0.0% 0.0° CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6° C&D 8.8% 3.3% 16.6°		3.3	9%	U./%	9.5%	
DIAPERS 2.3% 0.7% 4.9%					8.7%	
Diapers 2.3% 0.7% 4.99	l'extiles and Leather	5.4	4%	2.8%	8.7%	
RUBBER Rubber 2.3% 0.8% 4.7' DTHER ORGANIC Other Organic 2.7% 0.9% 5.3' Other Inorganic 1.6% 0.5% 3.2' Other Inorganic 5.9% 3.2% 9.3' Fines/ Supermix 5.9% 3.2% 9.3' THER 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	DIAPERS	2.3%		0.7%	4.9%	
Rubber 2.3% 0.8% 4.7%	Diapers	2.3	3%	0.7%	4.9%	
Rubber 2.3% 0.8% 4.7%	RUBBER	2.3%		0.8%	4.7%	
OTHER ORGANIC 2.7% 0.9% 5.3° Other Organic 2.7% 0.9% 5.3° OTHER INORGANIC 1.6% 0.5% 3.2° Other Inorganic 1.6% 0.5% 3.2° SINES/SUPERMIX 5.9% 3.2% 9.3° Fines/ Supermix 5.9% 3.2% 9.3° OTHER 0.0% 0.0% 0.0° Other 0.0% 0.0% 0.0° CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6° C&D 8.8% 3.3% 16.6°			3%		4.7%	
Other Organic 2.7% 0.9% 5.3° OTHER INORGANIC Other Inorganic 1.6% 0.5% 3.2° SINES/SUPERMIX Fines/ Supermix 5.9% 3.2% 9.3° OTHER 0.0% 0.0% 0.0° Other 0.0% 0.0% 0.0° CONSTRUCTION & DEMOLITION C&D 8.8% 3.3% 16.6°				5.570		
OTHER INORGANIC 1.6% 0.5% 3.2° Other Inorganic 1.6% 0.5% 3.2° SINES/SUPERMIX 5.9% 3.2% 9.3° Fines/ Supermix 5.9% 3.2% 9.3° OTHER 0.0% 0.0% 0.0° Other 0.0% 0.0% 0.0° CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6° C&D 8.8% 3.3% 16.6°	OTHER ORGANIC	2.7%		0.9%	5.3%	
Other Inorganic 1.6% 0.5% 3.2′ 9.3′ Fines/Supermix 5.9% 3.2% 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′	Other Organic	2.7	7%	0.9%	5.3%	
Other Inorganic 1.6% 0.5% 3.2′ 9.3′ Fines/Supermix 5.9% 3.2% 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′ 9.3′	OTHER INGRGANIC	4 69/	-	A 24/		
Sines/Supermix 5.9% 3.2% 9.3% 5.9% 5.9% 3.2% 9.3%			ا ہے			
Fines/ Supermix 5.9% 3.2% 9.3° PTHER 0.0% 0.0% 0.00 0.0% 0.00 0.0% 0.00 0.0% 0.00 0.0% 0.00 0.0% 0.00 0.0% 0.00 0.0% 0.00	-		′ "			
OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6 C&D 8.8% 3.3% 16.6					9.3%	
Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6% C&D 8.8% 3.3% 16.6%	rines/ Supermix	5.9	**	3.2%	9.3%	
CONSTRUCTION & DEMOLITION 8.8% 3.3% 16.6° C&D 8.8% 3.3% 16.6°	OTHER	0.0%		0.0%	0.0%	
C&D 8.8% 3.3% 16.69	Other	0.0)%	0.0%	0.0%	
C&D 8.8% 3.3% 16.69	CONSTRUCTION & DEMOLITION	8 8e/		2 20/	10 00	
			ا 🚜			
TOTAL PERCENT 100.0%				3.378	10.0%	
	TOTAL PERCENT	100.0%				

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Commercial - Spring and Fall

Sample Size = Total Wt Sorted = 52 loads 12,261 pounds 236 pounds

Total Wt Sorted = Avg Wt per Sample =		12,261 236	pounds		
WASTE CATEGORIES		∠30	pounds		
Material	1	- 1	90% Confid		
	Mean Perc	entage	Interval (%) Lower Upper		
PAPER	40.5%		34.8%	46.4%	
Newspaper Magazines	1	1.4%	0.9%	2.1%	
Magazines High Grade/ Office	1	0.9% 1.5%	0.5 % 0.9 %	1.2% 2.2%	
OCC and Kraft Bags		18.6%	14.0%	2.2%	
Mixed Recyc Paper		4.6%	3.3%	6.1%	
Other Non-Recyc Paper		13.6%	9.6%	18.1%	
PLASTIC	13.7%	1	10.2%	17.6%	
#1 PET Containers		0.2%	0.1%	0.4%	
#1 PET Deposit	1	0.1%	0.0%	0.1%	
#2 HDPE Containers		1.5%	1.0%	2.1%	
All Other Numbered Containers Other Plastic Not Numbered		2.1%	1.2%	3.3%	
FilmWrap/Bags		4.1% 5.7%	2.9%	5.5%	
METAL		3.770	4.2%	7.4%	
Alum Non-Deposit Beverage Containers	7.7%	0.00/	5.3%	10.5%	
Alum Deposit Beverage Containers		0.0%	0.0% 0.1%	0.0%	
Ferrous Food		5.1%	3.1%	0.2% 7.5%	
Other Ferrous Scrap	i	1.2%	0.8%	1.8%	
Other Non-Ferrous Scrap	J	1.2%	0.7%	1.9%	
GLASS	1.3%			1	
Clear	1.3%	0.7%	0.8%	1.9%	
Green		0.1%	0. 4% 0.0%	1.0% 0.1%	
Blue		0.0%	0.0%	0.0%	
Brown		0.3%	0.2%	0.5%	
Deposit Glass Containers		0.0%	0.0%	0.1%	
Other/ Mixed Cullet		0.2%	0.1%	0.4%	
ННМ	1.1%	i	0.7%	1.6%	
Automotive Products		0.5%	0.3%	0.7%	
Paints and Solvents		0.4%	0.2%	0.6%	
Pesticides, Herbicides & Fungicides	1	0.0%	0.0%	0.1%	
Household Cleaners		0.0%	0.0%	0.1%	
Batteries (lead -acid)		0.0%	0.0%	0.0%	
Batteries (other)		0.1%	0.0%	0.1%	
Other (HHM containers w/prod inside)		0.1%	0.0%	0.1%	
YARD WASTE	0.5%	1	0.3%	0.8%	
Yard Waste		0.5%	0.3%	0.8%	
Pumpkins		0.0%	0.0%	0.0%	
FOOD WASTE	15.9%		11.8%	20.3%	
Food Waste		15.9%	11.8%	20.3%	
WOOD	2.0%		1.2%	3.0%	
Non-Treated Wood	2.07.0	1.1%	0.6%	1.6%	
Treated Wood		0.9%	0.5%	1.4%	
DURABLES					
All Electrical and Household Appl.	2.3%	4.00	1.0%	4.2%	
Other Durables		1.3% 1.0%	0.7%	2.2%	
		1.076	0.5%	1.8%	
TEXTILES	2.6%		1.6%	3.8%	
Textiles and Leather		2.6%	1.6%	3.8%	
DIAPERS	1.4%	1	0.8%	2.0%	
Diapers		1.4%	0.8%	2.0%	
RUBBER	0.5%	1	0.3%	0.7%	
Rubber	0.5 /6	0.5%	0.3%	1	
110000		0.576	0.3%	0.7%	
OTHER ORGANIC	1.8%	1	1.0%	2.7%	
Other Organic		1.8%	1.0%	2.7%	
				- 1	
OTHER INORGANIC	0.5%		0.3%	0.7%	
Other Inorganic		0.5%	0.3%	0.7%	
INES/SUPERMIX	5.2%	[3.3%	6.9%	
Fines/ Supermix		5.2%	3.5%	7.3%	
OTHER	0.00/				
Other	0.2%	0.2%	0.1% 0.1%	0.3%	
		J.∠76	U. 176	0.3%	
CONSTRUCTION & DEMOLITION	3.2%		1.8%	5.0%	
C&D		3.2%	1.8%	5.0%	
TOTAL PERCENT	400.09/				
IVIAL FERVENI	100.0%				

FLOYD-MITCHELLSOLID WASTE AGENCY MSW Composition Mixed - Spring and Fall

Sample Size = Total Wt Sorted = Avg Wt per Sample : 38 loads 8,804 pounds 232 pounds

Avg Wt per Sample =		232	pounds	
WASTE CATEGORIES	1	T	90% Confi	dence
Material	1		Interval	(%)
PAPER	Mean Perc	entage	Lower	Upper
Newspaper	30.5%	2.6%	27.8% 2.1%	33.3% 3.2%
Magazines	1	2.6%	1.9%	3.4%
High Grade/ Office		1.6%	1.1%	2.1%
OCC and Kraft Bags Mixed Recyc Paper		6.0%	4.6%	7.5%
Other Non-Recyc Paper	į	7.0% 10.8%	5.8% 8.9%	8.2%
PLASTIC		10.0 %		12.8%
#1 PET Containers	11.8%		10.9%	12.8%
#1 PET Deposit	1	0.2% 0.1%	0.2% 0.1%	0.3% 0.2%
#2 HDPE Containers	1	1.0%	0.8%	1.2%
All Other Numbered Containers		0.7%	0.4%	0.9%
Other Plastic Not Numbered Film/Wrap/Bags	i	6.0%	5.3%	6.7%
1,0-		3.8%	3.4%	4.2%
METAL Alum Non Ponesit Payers as Cantain as	5.5%		4.4%	6.7%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers	Ì	0.1%	0.1%	0.1%
Ferrous Food		0.1% 2.3%	0.1% 1.7%	0.2% 2.8%
Other Ferrous Scrap	i	2.3%	1.6%	3.1%
Other Non-Ferrous Scrap		0.7%	0.4%	1.1%
GLASS	2.4%	1	1.9%	3.1%
Clear	1 2.7%	1.4%	1.0%	1.8%
Green	1	0.2%	0.1%	0.3%
Blue		0.0%	0.0%	0.0%
Brown Deposit Glass Containers	ł	0.3%	0.2%	0.5%
Other/ Mixed Cullet	1	0.0% 0.5%	0.0% 0.3%	0.0% 0.8%
ннм	1	0.070		
Automotive Products	1.3%		0.9%	1.8%
Paints and Solvents		0.4%	0.2% 0.2%	0.6% 0.5%
Pesticides, Herbicides & Fungicides	1	0.0%	0.2%	0.0%
Household Cleaners		0.1%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)	İ	0.2%	0.1%	0.2%
Other (HHM containers w/prod inside)		0.2%	0.1%	0.2%
YARD WASTE	2.3%		1.2%	3.8%
Yard Waste Pumpkins		2.3%	1.2%	3.8%
•		0.0%	0.0%	0.0%
FOOD WASTE	15.6%		12.7%	18.8%
Food Waste		15.6%	12.7%	18.8%
WOOD	2.3%		1.5%	3.2%
Non-Treated Wood		1.2%	0.7%	1.9%
Treated Wood		1.1%	0.7%	1.5%
DURABLES	1.5%	1	0.8%	2.3%
All Electrical and Household Appl.		1.0%	0.6%	1.6%
Other Durables		0.5%	0.2%	0.8%
TEXTILES	4.4%	1	3.2%	5.8%
Textiles and Leather		4.4%	3.2%	5.8%
DIAPERS	4.4%	1	2.8%	6.3%
Diapers	7.77	4.4%	2.8%	6.3%
RUBBER	0.000			
Rubber	0.8%	0.00	0.5%	1.1%
Nubbel		0.8%	0.5%	1.1%
OTHER ORGANIC	2.9%		1.9%	4.1%
Other Organic		2.9%	1.9%	4.1%
OTHER INORGANIC	4 494	1		
Other Inorganic	1.1%		0.6%	1.6%
_	_	1.1%	0.6%	1.6%
FINES/SUPERMIX Fines/ Supermix	9.8%		8.2%	10.9%
Fines/ Supermix		9.8%	8.7%	10.9%
OTHER	0.8%	- 1	0.4%	1.4%
Other		0.8%	0.4%	1.4%
CONSTRUCTION & DEMOLITION	2.0%	1	1.3%	2.8%
C&D	V/9	2.0%	1.3%	2.8%
TOTAL PEROPAIT	424 222			_,0 ,0
TOTAL PERCENT	100.0%			

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Combined - Spring and Fall

Sample Size =
Total Wt Sorted =

102 23,661

loads pounds

Avg Wt per Sample =		23,001	pounds pounds	
WASTE CATEGORIES	1		90% Confid	ence
Material	Moss Des		Interval (%)	
PAPER	Mean Pero	entage	Lower 30.5%	Upper 37.6%
Newspaper		1.9%	30.5% 1.5%	2.49
Magazines		1.5%	1.2%	1.99
High Grade/ Office		1.5%	1.1%	1.9%
OCC and Kraft Bags Mixed Recyc Paper		12.2%	9.9%	14.8%
Other Non-Recyc Paper	1	5.4% 11.5%	4.5% 9.3%	6.4% 13.8%
PLASTIC	40.40	11.5%		
#1 PET Containers	12.4%		10.6%	14.3%
#1 PET Deposit		0.2% 0.1%	0.2% 0.1%	0.3% 0.1%
#2 HDPE Containers		1.3%	1.0%	1.6%
All Other Numbered Containers	1	1.4%	0.9%	1.9%
Other Plastic Not Numbered	1	4.9%	4.1%	5.8%
Film/Wrap/Bags		4.5%	3.8%	5.3%
METAL	7.5%	i	6.1%	9.1%
Alum Non-Deposit Beverage Containers	ļ	0.1%	0.0%	0.1%
Alum Deposit Beverage Containers Ferrous Food		0.1%	0.1%	0.2%
		3.6%	2.7%	4.6%
Other Ferrous Scrap Other Non-Ferrous Scrap	İ	2.6%	1.9%	3.3%
•		1.2%	0.8%	1.6%
BLASS Clear	1.8%		1.3%	2.2%
Green		1.0%	0.7%	1.2%
Blue	l	0.1% 0.0%	0.1% 0.0%	0.1%
Brown		0.3%	0.2%	0.0%
Deposit Glass Containers	į	0.0%	0.0%	0.1%
Other/ Mixed Cullet	I	0.4%	0.3%	0.5%
HM .	1.1%		0.9%	1.5%
Automotive Products	,	0.4%	0.3%	0.6%
Paints and Solvents		0.3%	0.2%	0.4%
Pesticides, Herbicides & Fungicides	1	0.0%	0.0%	0.0%
Household Cleaners		0.1%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)	İ	0.1%	0.1%	0.1%
Other (HHM containers w/prod inside)	ì	0.1%	0.1%	0.2%
ARD WASTE	1.5%		1.0%	2.1%
Yard Waste		1.5%	1.0%	2.1%
Pumpkins		0.0%	0.0%	0.0%
OOD WASTE	14.6%		12.1%	17.3%
Food Waste		14.6%	12.1%	17.3%
VOOD	3.1%	-	2.2%	4.1%
Non-Treated Wood	3	1.2%	0.9%	1.6%
Treated Wood		1.9%	1.3%	2.5%
URABLES	2 004		4 001	,
All Electrical and Household Appl.	2.8%	1.6%	1.8%	4.0%
Other Durables		1.6%	1.1% 0.7%	2.3% 1.7%
EXTILES		1.270		
Textiles and Leather	3.7%	2 70/	2.8%	4.6%
·		3.7%	2.8%	4.6%
APERS	2.6%	1	1.9%	3.4%
Diapers		2.6%	1.9%	3.4%
UBBER	0.8%	1	0.6%	1.1%
Rubber	,•	0.8%	0.6%	1.1%
THER ORGANIC	2.3%		1.7%	3.0%
Other Organic		2.3%	1.7%	3.0%
THER INORGANIC	0.7%	l	0.5%	4 000
Other Inorganic	V.176	0.7%	0.5% 0.5%	1.0%
-	_	0.776		1.0%
INES/SUPERMIX	7.0%		5.5%	8.1%
Fines/ Supermix		7.0%	5.8%	8.4%
THER	- 404	ļ	0.3%	0.6%
	0.4%			A.4 (8)
Other	0.4%	0.4%		0.6%
		0.4%	0.3%	0.6%
ONSTRUCTION & DEMOLITION	3.5%		0.3% 2.5%	4.7%
		0.4% 3.5%	0.3%	

Sample Size = 102 load 102 load 103		Waste Composition Spring and Fall		
Material Mean Percentage PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Numbered Containers #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (ledher) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather Inter Organic THER ORGANIC Other Organic THER ORGANIC Other Inorganic THER INORGANIC Other Inorganic THES Supermix Fines/ Supermix Fine		Sample Size = Total Wt Sorted =	23,661	load poun poun
Newspaper Magazines Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HIM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste VOOD Non-Treated Wood Treated W				
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (ead -acid) Batteries (other) Other (HHM containers w/prod inside) //ARD WASTE Yard Waste Pumpkins OOD Non-Treated Wood Treated Wood Treated Wood Incate Waste Incated Wood Incate Waste Incated Wood Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate Waste Incate	PAPER		Mean Per	centag
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers All Other Numbered Containers All Winder Recyc Paper Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Paper Bags Alum Ron-Deposit Beverage Containers Alum Copped Beverage Containers Alum Deposit Glass Crap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet #### #### ##### ##### ##### ##### ####	Newspaper		23.3%	1
Mixed Recyc Paper Other Non-Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid)				1
Mixed Recyc Paper Other Non-Recyc Paper PLASTIC #1 PET Containers #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers All Other Numbered Containers All Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Geren Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet ### 1.0% Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lother) Other (HIM containers w/prod inside) ### 1.3% ### 2.3% #		1		1
Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other/ Mixed Cullet HMM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -				
#1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Other (HHM containers w/prod inside) ARD WASTE Yard Waste Pumpkins COD WASTE Food Waste VOOD Non-Treated Wood Tre	Other Non-Recyc Paper			10
#1 PET Containers #1 PET Deposit #2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Culiet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Ba	PLASTIC		10.9%	
#2 HDPE Containers All Other Numbered Containers Cother Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (HIM containers w/prod inside) /ARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste WOOD Non-Treated Wood Treated Woo		i		c
All Other Numbered Containers Other Plastic Not Numbered Film/Mrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIMM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) FOOD WASTE Food Waste Food Waste Food Waste MODD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood URABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix FIFCTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 4.5% PECIAL WASTES 4.5% 10.5% 6.20 PECIAL WASTES 4.5%	#1 PET Deposit			C
Cither Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet I.6% IL6%				
### Film/Wrap/Bags ### METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap ### Silve ### Brown Deposit Glass Containers Other/ Mixed Cullet ### 1.0% ### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (eder) Other (HHM containers w/prod inside) ### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (eder) Other (HHM containers w/prod inside) ### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (eder) Other (HHM containers w/prod inside) ### Automotive Products Paints and Solvents Pesticides All Electrics ### Automotive Products Paints and Solvents ### 1.0% ### Automotive Products Paints and Solvents ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### One Waste ### Automotive Products ### One Waste ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### One Waste ### 1.0% ### Automotive Products ### One Waste ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### Automotive Products ### 1.0% ### 1.0				
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Other (HriM containers w/prod inside) ARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood VURABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather Alpers Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic NESSUPERMIX Fines/ Supermix Fines/ Supermix Fires/ Supermix FIFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 4.5%				
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Glass Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (edad -acid) Batteries (other) Other (HHM containers w/prod inside) FARD WASTE Yard Waste Pumpkins GOD WASTE Food Waste WOOD Non-Treated Wood Tr	, ,	Ĭ	£ 40/	٦
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste IOOD Non-Treated Wood Tr		ge Containers	0.1%	
Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Scrap Other Scrap Other Scrap Other Scrap Other Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD WASTE Food Waste OOD Treated Wood Trea	Alum Deposit Beverage C	ontainers		
Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Scrap Other Scrap Other Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins OOD Non-Treated Wood Treated Wood Treated Wood OURABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION 2 DEMOLITION C&D PECIAL WASTES 1.6% 1.6% 0.6% 0.6% 0.6% 0.6% 0.6% 0.6% 0.6% 0	Ferrous Food			
Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Other (HHM containers w/prod inside) ARD WASTE Yard Waste Pumpkins COD WASTE Food Waste WOOD Non-Treated Wood Trea				
Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lother) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins CODD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE Food Waste IARD WASTE I	•	1		
Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HIM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (elad -acid) Batteries (elad -acid) Batteries (other) Other (HHM containers w/prod inside) FOOD WASTE FOOD WASTE FOOD Waste WOOD Non-Treated Wood Treate	GLASS		1.6%	
Blue Brown Deposit Glass Containers Other/ Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins IOOD WASTE Food Waste VOOD Non-Treated Wood Treated		İ		0
Brown Deposit Glass Containers Other/ Mixed Cullet IHM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (cher) Other (HHM containers w/prod inside) IARD WASTE Yard Waste Pumpkins COD WASTE Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood URABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.0% 1				
Deposit Glass Containers Other/ Mixed Cullet #HM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (eder') Other (HHM containers w/prod inside) #ARD WASTE Yard Waste Pumpkins ### Food Waste ### WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood ### I Electrical and Household Appl. Other Durables ### APPERS Diapers ### USBER Rubber ### TEXTILES Textiles and Leather ### APPERS Diapers ### USBER Rubber ### USBER Ru		1		
Other/ Mixed Cullet #### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (elad -acid) Batteries (other) Other (HHM containers w/prod inside) ###################################				
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (waste Pumpkins COD WASTE Food Waste Prod Waste Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Durables EXTILES Textiles and Leather MAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic MES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.0%				
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (cher) Other (HHM containers w/prod inside) AND WASTE Yard Waste Pumpkins COD WASTE Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood SEXTILES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.3% 0.13% 1.3% 1.3% 1.3.1% 1.3% 1.3.1% 1.3% 1.3	ННМ		4 60/	-
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cother) Other (HHM containers w/prod inside) */ARD WASTE Yard Waste Pumpkins **COOD WASTE Food Waste **WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood SURABLES All Electrical and Household Appl. Other Durables **EXTILES Textiles and Leather **APPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.3% 12.9% 12	· · · · · · · ·		1.0%	^
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (redr) Other (HHM containers w/prod inside) /ARD WASTE Yard Waste Pumpkins COOD WASTE Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood SURABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather MAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.3% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		1		
Household Cleaners Batteries (lead -acid) Batteries (edad -acid) Batteries (other) Other (HHM containers w/prod inside)		ungicides		
Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) /ARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood URABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.3% 12.9% 12	Household Cleaners	- 1		Ö.
Other (HHM containers w/prod inside) (ARD WASTE		ŀ		0.
YARD WASTE Yard Waste Pumpkins OOD WASTE Food Waste Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1.3% 12.9% 12.9% 12.9% 12.7% 13.1% 15.6% 10.6% 10.6% 10.6% 10.6% 10.5% 10.		arnel in sid-1		0.
Yard Waste Pumpkins 1. 9% GOD WASTE Food Waste 12.9% Food Waste 12.7% Non-Treated Wood Treated Wood Treated Wood 1. BURABLES All Electrical and Household Appl. Other Durables 2.6% EXTILES Textiles and Leather 3.1% Textiles and Leather 3.1% IMAPERS Diapers 2.3% UBBER Rubber 0.7% THER ORGANIC Other Organic 2.1% THER INORGANIC Other Inorganic 0.6% Other Inorganic 0.6% INES/SUPERMIX Fines/ Supermix 6.2% IFECTIOUS WASTE Infectious Waste 0.4% ONSTRUCTION & DEMOLITION C&D 10.5% ONSTRUCTION & DEMOLITION C&D 10.5% PECIAL WASTES 4.5%		riou inside)		0.
Pumpkins			1.3%	
12.9% 12.9				
Food Waste 12.	*			U.
NOOD Non-Treated Wood Treated			12.9%	
Non-Treated Wood 1.				12.
Treated Wood 1. DURABLES	NOOD		2.7%	
NURABLES		ļ		1.
All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1. 3.1% 3.1% 3.1% 3.1% 3.1% 3.1% 3.1%	Treated MAGOD	1		1.
All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 1. 3.1% 3.1% 3.1% 3.1% 3.1% 3.1% 3.1%	DURABLES	Į	2.6%	
Textiles and Leather Textiles and Leather Textiles and Leather AAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 3.1% 3.2% 3.1% 3.2% 6.2% 6.2% 6.2% 6.2% 6.2% 6.2% 6.2% 6		ld Appl.		
Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 3. 3. 3. 3. 3. 3. 4.5%	Other Durables	1		1.
Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 10.5% 2.3% 2.3% 2.3% 2.4% 6.6% 6.7% 6.6% 6.2% 6.2% 6.2% 6.2% 6.2% 6.2% 6.2	TEXTILES	1	3.1%	
Diapers 2. UBBER Rubber 0.7% Rubber 0.7% THER ORGANIC Other Organic 2.1% Other Inorganic 0.6% INES/SUPERMIX Fines/ Supermix 6.2% IFECTIOUS WASTE Infectious Waste 0.4% ONSTRUCTION & DEMOLITION C&D 10.5% PECIAL WASTES 4.5%	Textiles and Leather	1		3.
Diapers 2. UBBER Rubber 0.7% Rubber 0.7% THER ORGANIC Other Organic 2.1% Other Inorganic 0.6% INES/SUPERMIX Fines/ Supermix 6.2% IFECTIOUS WASTE Infectious Waste 0.4% ONSTRUCTION & DEMOLITION C&D 10.5% PECIAL WASTES 4.5%	DIAPERS		2.3%	
Rubber 0.7% Rubber 0.7% Rubber 0.7% THER ORGANIC 2.1% Other Organic 2. THER INORGANIC 0.6% Other Inorganic 0.6 INES/SUPERMIX 6.2% Fines/ Supermix 6.2% IFECTIOUS WASTE Infectious Waste 0.4% ONSTRUCTION & DEMOLITION C&D 10.5% PECIAL WASTES 4.5%		ł	2.07	2
Rubber 0.1 THER ORGANIC 2.1% Other Organic 2.1 THER INORGANIC 0.6% Other Inorganic 0.6 INES/SUPERMIX 6.2% Fines/ Supermix 6.3 IFECTIOUS WASTE 0.4% Infectious Waste 0.4 ONSTRUCTION & DEMOLITION 10.5% C&D 10.5 PEGIAL WASTES 4.5%	RUBBER	1	A 76/	
### THER ORGANIC 2.1%	··		U./%	٠.
Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 2.0.6% 0.4% 0.4% 10.5% 10.5% 10.5%		1		U.
### THER INORGANIC 0.6% 0.	OTHER ORGANIC		2.1%	
THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix Fines/ Supermix 6.2% IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES 0.6% 0.4% 10.5% 10.5%	Other Organic			2.1
Other Inorganic 0.6 INES/SUPERMIX 6.2% Fines/ Supermix 6.2% IFECTIOUS WASTE 0.4% Infectious Waste 0.4 ONSTRUCTION & DEMOLITION C&D 10.5% PECIAL WASTES 4.5%	THER INORGANIC	,		
NES/SUPERMIX 6.2% Fines/ Supermix 6.2% FECTIOUS WASTE 0.4% Infectious Waste 0.4 ONSTRUCTION & DEMOLITION 10.5% C&D 10.5 PECIAL WASTES 4.5%			0.6%	_
Fines/ Supermix 6.2 FECTIOUS WASTE		j		0.6
### 0.4% Infectious Waste			6.2%	
Infectious Waste	Fines/ Supermix			6.2
Infectious Waste	NFECTIOUS WASTE		0.4%	
ONSTRUCTION & DEMOLITION 10.5% C&D 10.5 PECIAL WASTES 4.5%	Infectious Waste	1		0.4
C&D 10.5 PECIAL WASTES 4.5%	CONSTRUCTION & DEMOLITIC		40 F9/	
PECIAL WASTES 4.5%		77	10.5%	10.5
		İ		10.5
Special vvastes 4.5			4.5%	
	opeciai vvastes			4.5

IOWA CITY LANDFILL MSW Composition Residential - Spring and Fall

- Kesidendai	· opring and rai	<u> </u>		
Sample Size =		38	loads	
Total Wt Sorted =		8,280	pounds	
Avg Wt per Sample =		218	pounds	
WASTE CATEGORIES	7	·····	90% Confi	dence
Material			Interval	
	Mean Perce	entage F	Lower	Upper
PAPER	33.6%		31.0%	36.2%
Newspaper		4.4%	3.4%	5.4%
Magazines		4.5%	3.5%	5.5%
High Grade/ Office	1	2.8%	2.1%	3.5%
OCC and Kraft Bags	i	3.3%	2.6%	4.1%
Mixed Recyc Paper		6.7%	5.9%	7.6%
Other Non-Recyc Paper	i	11.9%	10.4%	13.5%
PLASTIC	10.4%		9.3%	11.5%
#1 PET Containers	10.4%	0.40/		
#1 PET Deposit		0.4%	0.3%	0.5%
#2 HDPE Containers		0.2%	0.1%	0.2%
All Other Numbered Containers		0.8%	0.6% 0.6%	0.9% 1.0%
Other Plastic Not Numbered	1	4.4%	3.5%	5.3%
Film/Wrap/Bags	İ	3.9%	3.5%	4.4%
, -	1	5.5 %		
METAL	6.0%		4.4%	7.8%
Alum Non-Deposit Beverage Containers]	0.0%	0.0%	0.0%
Alum Deposit Beverage Containers Ferrous Food	1	0.2%	0.1%	0.2%
		1.1%	0.9%	1.3%
Other Ferrous Scrap	1	3.9%	2.5%	5.5%
Other Non-Ferrous Scrap		0.9%	0.5%	1.3%
GLASS	2.9%	- 1	2.4%	3.4%
Clear		1.4%	1.1%	1.8%
Green	ļ	0.1%	0.0%	0.1%
Blue	į	0.0%	0.0%	0.0%
Brown		0.2%	0.1%	0.4%
Deposit Glass Containers		0.7%	0.4%	1.0%
Other/ Mixed Cullet		0.5%	0.3%	0.8%
ннм	0.7%	Ī	0.5%	0.00
Automotive Products	0.7%	0.00		0.9%
Paints and Solvents		0.2%	0.1%	0.3%
Pesticides, Herbicides & Fungicides		0.1%	0.0%	0.2%
Household Cleaners		0.0% 0.1%	0.0%	0.0%
Batteries (lead -acid)		0.0%	0.0% 0.0%	0.1% 0.0%
Batteries (other)		0.0%	0.1%	0.0%
Other (HHM containers w/prod inside)		0.1%	0.1%	0.2%
•		0.176		
YARD WASTE	3.4%		2.2%	5.0%
Yard Waste		2.1%	1.3%	3.0%
Pumpkins		1.4%	0.6%	2.3%
FOOD WASTE	14.3%	1	12.8%	15.9%
Food Waste	14.576	14.3%	12.8%	15.9%
		14.0%		
WOOD	3.7%		2.2%	5.6%
Non-Treated Wood		0.3%	0.2%	0.5%
Treated Wood		3.4%	1.9%	5.3%
DURABLES	2.8%		4 40/	4 50/
All Electrical and Household Appl.	2.8%	1.0%	1.4%	4.5%
Other Durables		1.8%	0.5% 0.7%	1.5% 3.3%
		1.076	0.776	3.376
TEXTILES	2.8%	1	2.1%	3.6%
Textiles and Leather		2.8%	2.1%	3.6%
DIAPERS	A 79/	i	2 49/	C 49/
Diapers	4.7%	4.7%	3.4% 3.4%	6.1% 6.1%
'		7.7%	3.470	0.176
RUBBER	0.5%	1	0.3%	0.7%
Rubber		0.5%	0.3%	0.7%
		1		
OTHER ORGANIC	1.8%	- 1	1.3%	2.4%
Other Organic		1.8%	1.3%	2.4%
		- 1		1
OTHER INORGANIC	3.6%	1	2.3%	5.1%
Other Inorganic		3.6%	2.3%	5.1%
FINES/SUPERMIX	5.0%		4.2%	5.6%
Fines/ Supermix	3.076	5.0%	4.4%	5.5%
,		5.070	4.470	3.576
OTHER	0.1%	1	0.0%	0.1%
Other		0.1%	0.0%	0.1%
CONSTRUCTION & DEMOCRATION		- 1		
CONSTRUCTION & DEMOLITION	3.9%		2.1%	6.3%
C&D		3.9%	2.1%	6.3%
TOTAL PERCENT	100.0%			
	100.0 /6			

IOWA CITY LANDFILL MSW Composition Commercial - Spring and Fall

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

43 loads 10,145 pounds 236 pounds

Avg Wt per Sample =		236	pounds	
WASTE CATEGORIES			90% Confid	lence
Material	Mean Pero	-antana	Interval (Lower	
PAPER	30.7%	zernage [24.3%	Upper 37.5%
Newspaper	1	2.5%	1.6%	3.6%
Magazines		1.9%	1.1%	2.8%
High Grade/ Office OCC and Kraft Bags	ĺ	2.2%	1.4% 5.6%	3.3%
Mixed Recyc Paper		8.2% 5.0%	3.1%	11.3% 7.2%
Other Non-Recyc Paper	ļ	10.9%	7.3%	15.1%
PLASTIC	20.8%		14.4%	
#1 PET Containers	20.6%	0.2%	0.1%	28.0% 0.3%
#1 PET Deposit	1	0.2%	0.1%	0.2%
#2 HDPE Containers		1.3%	0.8%	1.9%
All Other Numbered Containers		0.7%	0.4%	1.0%
Other Plastic Not Numbered Film/Wrap/Bags		12.1%	7.2%	18.1%
		6.4%	4.0%	9.3%
METAL	4.2%		2.5%	6.2%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers	1	0.0% 0.1%	0.0% 0.1%	0.0% 0.2%
Ferrous Food		0.1%	0.4%	1.0%
Other Ferrous Scrap	İ	3.2%	1.7%	5.2%
Other Non-Ferrous Scrap		0.1%	0.1%	0.2%
GLASS	2.2%	1	1.3%	3.3%
Clear	2.2/0	0.8%	0.5%	1.2%
Green		0.0%	0.0%	0.0%
Blue		0.0%	0.0%	0.0%
Brown		0.0%	0.0%	0.0%
Deposit Glass Containers Other/ Mixed Cullet		0.9%	0.5%	1.5%
		0.5%	0.2%	0.8%
ннм	0.5%	•	0.3%	0.8%
Automotive Products		0.1%	0.0%	0.1%
Paints and Solvents		0.0%	0.0%	0.0%
Pesticides, Herbicides & Fungicides Household Cleaners	1	0.0%	0.0% 0.0%	0.0%
Batteries (lead -acid)		0.0%	0.0%	0.0% 0.0%
Batteries (other)		0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)		0.4%	0.2%	0.7%
YARD WASTE	1.2%	[0.6%	2.0%
Yard Waste		1.0%	0.5%	1.7%
Pumpkins		0.2%	0.1%	0.4%
FOOD WASTE	10.3%		6.4%	15.0%
Food Waste	10.0%	10.3%	6.4%	15.0%
WOOD	9.2%		4.9%	
Non-Treated Wood	3.2%	4.8%	2.4%	14.8% 7.9%
Treated Wood		4.5%	2.0%	7.9%
DURABLES	3.9%		1.9%	6.5%
All Electrical and Household Appl. Other Durables		2.0% 1.9%	0.9%	3.4%
		1.976	0.8%	3.4%
TEXTILES	4.5%		2.3%	7.2%
Textiles and Leather		4.5%	2.3%	7.2%
DIAPERS	0.4%		0.2%	0.7%
Diapers		0.4%	0.2%	0.7%
RUBBER	0.6%		0.3%	0.9%
Rubber		0.6%	0.3%	0.9%
		0.07.7	0.070	0.070
OTHER ORGANIC	2.3%	- 1	1.1%	3.7%
Other Organic		2.3%	1.1%	3.7%
OTHER INORGANIC	0.8%	- 1	0.4%	1.2%
Other Inorganic	0.0 %	0.8%		
		0.070	0.4%	1.2%
FINES/SUPERMIX	1.9%		1.3%	2.7%
Fines/ Supermix		1.9%	1.3%	2.7%
OTHER	0.3%	- 1	0.1%	0.4%
Other		0.3%	0.1%	0.4%
CONSTRUCTION & DEMOLITION	6.4%	- 1	2.9%	11.3%
C&D	J.774	6.4%	2.9%	11.3%
			2.070	
TOTAL PERCENT	100.0%			

IOWA CITY LANDFILL MSW Composition Mixed - Spring and Fall

Sample Size = Total Wt Sorted = Avg Wt per Sample =

23 loads 5,217 pounds 227 pounds

Avg Wt per Sample =		5,217 227	pounds pounds	
WASTE CATEGORIES	T			dénce
Material		1	90% Confidence Interval (%)	
	Mean Pero	entage	Lower	Upper
PAPER	32.5%		26.8%	38.5%
Newspaper Magazines		3.0% 2.8%	2.1%	4.2%
High Grade/ Office	1	2.6%	2.0% 1.9%	3.8% 4.0%
OCC and Kraft Bags		7.1%	4.6%	10.1%
Mixed Recyc Paper	ì	5.5%	4.0%	7.3%
Other Non-Recyc Paper	i	11.2%	8.6%	14.0%
PLASTIC	12.3%	i	10.3%	14.6%
#1 PET Containers		0.3%	0.2%	0.4%
#1 PET Deposit		0.2%	0.1%	0.2%
#2 HDPE Containers All Other Numbered Containers		0.7%	0.5%	1.1%
Other Plastic Not Numbered		0.8%	0.4%	1.4%
Film/Wrap/Bags		5.5% 4.9%	3.9% 3.9%	7.2% 6.0%
METAL	5.0%	7.0%	3.2%	
Alum Non-Deposit Beverage Containers	5.0%	0.0%	0.0%	7.0% 0.0%
Alum Deposit Beverage Containers	1	0.2%	0.1%	0.3%
Ferrous Food	1	1.2%	0.7%	1.7%
Other Ferrous Scrap		3.3%	1.7%	5.4%
Other Non-Ferrous Scrap		0.3%	0.2%	0.4%
GLASS	2.9%	l	1.9%	3.9%
Clear		1.1%	0.7%	1.6%
Green		0.0%	0.0%	0.1%
Blue		0.0%	0.0%	0.1%
Brown Deposit Glass Containers		0.1%	0.0%	0.1%
Other/ Mixed Cullet	1	1.3% 0.3%	0.7% 0.1%	2.2% 0.6%
	l	0.376		U.0%
ННМ	0.6%	1	0.3%	0.9%
Automotive Products		0.1%	0.0%	0.2%
Paints and Solvents Pesticides, Herbicides & Fungicides	1	0.0%	0.0%	0.1%
Household Cleaners	1	0.0% 0.1%	0.0% 0.0%	0.0%
Batteries (lead -acid)	İ	0.1%	0.0%	0.3% 0.0%
Batteries (other)	1	0.1%	0.0%	0.1%
Other (HHM containers w/prod inside)	1	0.2%	0.1%	0.5%
YARD WASTE	2.7%		1.2%	4.6%
Yard Waste	/*	2.2%	1.0%	4.0%
Pumpkins	ĺ	0.4%	0.1%	0.9%
FOOD WASTE	15.9%	ĺ	10.9%	04.00/
Food Waste	15.5%	15.9%	10.9%	21.8% 21.8%
WOOD		10.070		
Non-Treated Wood	3.1%	0.5%	1.6% 0.2%	5.0% 0.8%
Treated Wood		2.6%	1.1%	4.6%
		2.0%	1.170	4.0%
DURABLES	1.2%	i	0.5%	2.1%
All Electrical and Household Appl.		1.1%	0.5%	2.0%
Other Durables		0.1%	0.0%	0.2%
TEXTILES	5.7%	1	2.9%	9.2%
Textiles and Leather		5.7%	2.9%	9.2%
DIAPERS	2.5%		1.3%	4.1%
Diapers		2.5%	1.3%	4.1%
RUBBER	0.5%	[0.2%	A 00/
Rubber	0.5%	0.5%	0.2%	0.8% 0.8%
T Cabbon		0.3%	0.276	0.076
OTHER ORGANIC	1.5%	ı	0.9%	2.2%
Other Organic		1.5%	0.9%	2.2%
				-
OTHER INORGANIC	2.1%		0.9%	3.7%
Other Inorganic	1	2.1%	0.9%	3.7%
FINES/SUPERMIX	8.4%	1	4.2%	13.5%
Fines/ Supermix		8.4%	4.4%	13.5%
OTHER	0.3%	1	0.1%	0.6%
Other	3.2,0	0.3%	0.1%	0.6%
CALICTRICATION & DELICATION				i
CONSTRUCTION & DEMOLITION C&D	3.2%		1.3%	5.9%
COLU		3.2%	1.3%	5.9%
TOTAL PERCENT	100.0%			

IOWA CITY LANDFILL MSW Composition Combined - Spring and Fall

Sample Size = Total Wt Sorted = Avg Wt per Sample

104 loads 23,642 pounds 227 pounds

Total Wt Sorted = Avg Wt per Sample =	23,642 227				
WASTE CATEGORIES	1		fidonos		
Material			90% Confidence Interval (%)		
	Mean Percentage	Lower	Upper		
PAPER Newspaper	32.2% 3.3%	29.0%	35.3%		
Magazines	3.0%		4.0% 3.7%		
High Grade/ Office	2.6%		3.1%		
OCC and Kraft Bags	6.2%	5.0%	7.5%		
Mixed Recyc Paper	5.7%		6.8%		
Other Non-Recyc Paper	11.3%	9.6%	13.2%		
PLASTIC	15.1%	12.6%	17.8%		
#1 PET Containers	0.3%		0.3%		
#1 PET Deposit #2 HDPE Containers	0.2%		0.2%		
All Other Numbered Containers	1.0%		1.2% 1.0%		
Other Plastic Not Numbered	7.8%		9.8%		
Film/Wrap/Bags	5.2%		6.2%		
METAL	5.0%	4.0%	6.2%		
Alum Non-Deposit Beverage Containers	0.0%		0.0%		
Alum Deposit Beverage Containers	0.1%	0.1%	0.2%		
Ferrous Food	0.9%	0.8%	1.2%		
Other Ferrous Scrap	3.5%	2.6%	4.5%		
Other Non-Ferrous Scrap	0.4%	0.3%	0.6%		
GLASS	2.6%	2.1%	3.1%		
Clear Green	1.1%	0.9%	1.3%		
Green Blue	0.0%	0.0%	0.1%		
Brown	0.0% 0.1%	0.0% 0.1%	0.0% 0.1%		
Deposit Glass Containers	0.1%	0.1%	1.2%		
Other/ Mixed Cullet	0.5%	0.3%	0.6%		
ннм	0.6%	0.4%	0.7%		
Automotive Products	0.1%	0.1%	0.1%		
Paints and Solvents	0.0%	0.0%	0.1%		
Pesticides, Herbicides & Fungicides	0.0%	0.0%	0.0%		
Household Cleaners	0.1%	0.0%	0.1%		
Batteries (lead -acid)	0.0%	0.0%	0.0%		
Batteries (other)	0.1%	0.1%	0.1%		
Other (HHM containers w/prod inside)	0.3%	0.2%	0.4%		
YARD WASTE Yard Waste	2.3%	1.7%	3.1%		
Pumpkins	1.7% 0.7%	1.2% 0.4%	2.2%		
·	0.776	0.4%	1.0%		
FOOD WASTE	13.0%	10.7%	15.5%		
Food Waste	13.0%	10.7%	15.5%		
WOOD	5.9%	4.1%	7.9%		
Non-Treated Wood	. 2.2%	1.4%	3.1%		
Treated Wood	3.7%	2.5%	5.1%		
DURABLES	2.9%	1.9%	4.0%		
All Electrical and Household Appl.	1.4%	0.9%	2.0%		
Other Durables	1.5%	0.9%	2.2%		
TEXTILES	4.1%	3.0%	5.4%		
Textiles and Leather	4.1%	3.0%	5.4%		
DIAPERS	2.4%	1.8%	3.1%		
Diapers	2.4%	1.8%	3.1%		
RUBBER					
Rubber	0.5%	0.4%	0.7%		
Rubbei	0.5%	0.4%	0.7%		
OTHER ORGANIC	1.9%	1.4%	2.5%		
Other Organic	1.9%	1.4%	2.5%		
_					
OTHER INORGANIC	2.1%	1.5%	2.7%		
Other Inorganic	2.1%	1.5%	2.7%		
FINES/SUPERMIX	4.5%	3.5%	5.4%		
Fines/ Supermix	4.5%	3.5%	5.5%		
OTHER	0.2%	0.1%	0.3%		
Other	0.2%	0.1%	0.3%		
CONSTRUCTION & PRINCE PROPERTY					
CONSTRUCTION & DEMOLITION	4.8%	3.1%	6.8%		
	4.8%	3.1%	6.8%		
C&D TOTAL PERCENT	100.0%	3.1%			

IOWA CITY LANDFIL	_	
Solid Waste Composit Spring and Fall	tion	
Sample Size =	103	loads
Total Wt Sorted = Avg Wt per Sample	23,415 227	pounds pounds
WASTE CATEGORIES Material	Ī	
PAPER	Mean Per	centage
Newspaper Newspaper	24.4%	2.5%
Magazines		2.3%
High Grade/ Office OCC and Kraft Bags		2.0%
Mixed Recyc Paper	l	4.7% 4.3%
Other Non- Recyc Paper	ļ	8.6%
PLASTIC	11.6%	
#1 PET Containers		0.2%
#1 PET Deposit	i	0.1%
#2 HDPE Containers All Other Numbered Containers		0.8% 0.6%
Other Plastic Not Numbered]	6.0%
Film/Wrap/Bags	1	3.9%
MÉTAL	3.8%	
Alum Non-Deposit Beverage Containers		0.0%
Alum Deposit Beverage Containers Ferrous Food	l	0.1% 0.7%
Other Ferrous Scrap		2.7%
Other Non-Ferrous Scrap		0.3%
GLASS	2.0%	
Clear	2.076	0.8%
Green		0.0%
Blue Brown		0.0% 0.1%
Deposit Glass Containers		0.1%
Other/ Mixed Cullet		0.3%
НМ	0.4%	
Automotive Products	0.7,6	0.1%
Paints and Solvents		0.0%
Pesticides, Herbicides & Fungicides		0.0%
Household Cleaners Batteries (lead -acid)		0.1%
Batteries (cther)		0.0%
Other (HHM containers w/prod inside)		0.2%
Light Bulbs		0.0%
ARD WASTE	1.8%	
Yard Waste Pumpkins		1.2% 0.5%
<i>'</i>		0.5%
Food Waste	9.9%	
		9.9%
VOOD Non-Treated Wood	4.4%	4 00/
Treated Wood		1.6% 2.7%
		2.770
DURABLES All Shortring and Household Appl	2.2%	
All Electrical and Household Appl. Other Durables		1.0% 1.1%
EXTILES	9 801	1.176
Textiles and Leather	3.2%	3.2%
· · · · · · · · · · · · · · · · · · ·		3.276
DIAPERS Diapers	1.8%	4 00/
,		1.8%
UBBER	0.4%	
Rubber		0.4%
THER ORGANIC	1.5%	ı
Other Organic		1.5%
THER INORGANIC		
	1.6%	,
Other Inorganic		1.6%
INES/SUPERMIX Fines/ Supermix	3.4%	2 44/
·		3.4%
IFECTIOUS WASTE	0.2%	- 1
Infectious Waste		0.2%
ONSTRUCTION & DEMOLITION	26.3%	I
C&D		26.3%
PECIAL WASTES	1.2%	
Special Wastes	***	1.2%
openia transco		

MONONA COUNTY MSW Composition Residential - Spring and Fall

Sample Size =
Total Wt Sorted =

11 loads 2,524 pounds 229 pounds

l otal vvt sorted ≔ Avg Wt per Sample =		2,524 229	pounds pounds	
WASTE CATEGORIES				anaa
WASTE CATEGORIES Material	1	1	90% Confidence Interval (%)	
······································	Mean Pero	centage	Lower	Upper
PAPER	33.0%		24.7%	41.9%
Newspaper	1	9.0%	5.1%	13.9%
Magazines	1	3.9%	2.6%	5.3%
High Grade/ Office		2.3%	1.1%	4.1%
OCC and Kraft Bags Mixed Recyc Paper	1	4.3% 7.7%	2.6% 5.0%	6.3% 10.9%
Other Non-Recyc Paper	1	5.9%	3.5%	8.8%
• •		3.3 /4		
PLASTIC #1 DET Container	7.7%		4.5%	11.7%
#1 PET Containers #1 PET Deposit		0.3%	0.1%	0.4%
#1 PET Deposit #2 HDPE Containers		0.1% 1.0%	0.1% 0.5%	0.2% 1.6%
All Other Numbered Containers		0.5%	0.5%	0.9%
Other Plastic Not Numbered	1	3.1%	1.6%	5.0%
Film/Wrap/Bags]	2.8%	1.6%	4.3%
METAL	5.0%		3.0%	7.4%
Alum Non-Deposit Beverage Containers	1 5.5%	0.1%	0.0%	0.1%
Alum Deposit Beverage Containers	1	0.3%	0.1%	0.5%
Ferrous Food	1	1.7%	0.9%	2.8%
Other Ferrous Scrap	1	2.5%	1.0%	4.6%
Other Non-Ferrous Scrap	1	0.4%	0.2%	0.7%
GLASS	2.3%		1.2%	3.6%
Clear		1.1%	0.5%	2.0%
Green		0.1%	0.0%	0.3%
Blue		0.0%	0.0%	0.0%
Brown		0.5%	0.1%	0.9%
Deposit Glass Containers		0.4%	0.1%	1.0%
Other/ Mixed Cullet		0.1%	0.0%	0.3%
ннм	2.0%	1	0.7%	3.9%
Automotive Products		0.7%	0.2%	1.5%
Paints and Solvents		0.8%	0.1%	2.1%
Pesticides, Herbicides & Fungicides	Į.	0.2%	0.0%	0.5%
Household Cleaners	1	0.0%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other) Other (HHM containers w/prod inside)		0.1% 0.1%	0.0% 0.0%	0.2%
•	1	U. 170		0.2%
YARD WASTE	6.4%		2.3%	12.2%
Yard Waste		1.7%	0.7%	3.3%
Pumpkins	1	4.6%	1.0%	10.7%
FOOD WASTE	10.6%	ļ	5.7%	16.7%
Food Waste	1	10.6%	5.7%	16.7%
WOOD	3.2%		1.2%	6.3%
Non-Treated Wood]	1.2%	0.2%	2.9%
Treated Wood	l	2.1%	0.5%	4.5%
DUDADI CO				
DURABLES	9.3%		2.4%	20.0%
All Electrical and Household Appl. Other Durables	1	2.1%	0.8%	3.8%
- · · · ·	ł	7.3%	1.2%	18.0%
TEXTILES:	4.8%		2.0%	8.7%
Textiles and Leather	1	4.8%	2.0%	8.7%
DIAPERS	3.1%		1.4%	5.5%
Diapers		3.1%	1.4%	5.5%
RUBBER	0.7%	- 1		1
	0.7%		0.3%	1.2%
Rubber	1	0.7%	0.3%	1.2%
OTHER ORGANIC	1.6%		0.5%	3.2%
Other Organic		1.6%	0.5%	3.2%
-			3.57	J. 2 , V
OTHER INORGANIC	1.1%	- 1	0.3%	2.4%
Other Inorganic	ļ	1.1%	0.3%	2.4%
FINES/SUPERMIX	8.2%	1	4.6%	12.8%
Fines/ Supermix	J.2./0	8.2%	4.6%	12.8%
• · · · · · · · · · · · · · · · · · · ·				
OTHER	0.6%		0.1%	1.5%
Other		0.6%	0.1%	1.5%
CONSTRUCTION & DEMOLITION	0.4%	j	0.1%	1.0%
C&D	3.7,7	0.4%	0.1%	1.0%
			J. 170	
TOTAL PERCENT	100.0%			

MONONA COUNTY MSW Composition Commercial - Spring and Fall

 Sample Size =
 5
 loads

 Total Wt Sorted =
 1,237
 pounds

 Avg Wt per Sample =
 247
 pounds

Newspaper	Avg Wt per Sample =		247	pounds	
PAPER Newspaper Newspape					
PAPER Newspaper 1.9%	material	Mean Pero	entage		
Magazines 3.4% 0.6% 3.5% 0.6% 15.5% 0.6%			critage		74.9%
High Grade/Office		1		0.4%	4.4%
CCC and Kraft Bags Mixed Recyc Paper 5.4% 0.9% 13.2 0.9% 0					8.3%
Mixed Recyc Paper					15.3%
Cher Non-Reop Paper					13.2%
#1 PET Containers #1 PET Deposit #1 PET Deposit #2 PET Deposit #2 PET Deposit #3 PET Deposit #3 PET Deposit #3 PET Deposit #3 PET Deposit #3 PET Deposit #4 PET Deposit #5 PET Deposit #5 PET Deposit #5 PET Deposit #6 Deposit Deverage #6 Deposit Deverage #6 Deposit Devosit Deverage #6 Deposit Deverage #6 Deposit Deverage #6 Deposit Deve	Other Non-Recyc Paper	1			9.8%
#1 PET Containers #1 PET Loposit #2 PIDE posit #2 PIDE Containers All Other Numbered Containers All Other Numbered Containers All Other Numbered Containers Cother Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Forous Scrap Other Non-Ferrous Non-Ferrous Non-Ferrous Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Non-Fer	PLASTIC	7.9%	ļ	3.0%	
#1 PET Deposit #2 HDPE Containers #2 HDPE Containers #3 HDPE Containers HDPE Containers #3 HDPE Containers HDPE	#1 PET Containers	1	0.2%		0.6%
#2 HDPE Containers All Other Numbered Containers Oliver Plastic Not Numbered Film/WrapPags METAL Aum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Other Mon-Ferrous Scrap Other Mon-Ferrous Morot India Other Mon-Ferrous Mondainers Other Mon-Ferrous Mondainers Other Mon-Ferrous Mondainers Other Mon-Ferrous Mondainers Other Mon-Ferrous Mondainers Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Mondainers Other Mon-Ferrous Scrap Other Mon-Ferrous Scrap Other Mon-Ferrous Mondainers Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Other Mondainer Othe		1			1.9%
Other Plastic Not Numbered Film/Wrap/Bags					0.9%
FilmWrapBags					1.7%
METAL Alum Non-Deposit Beverage Containers 0.0% 0.0% 0.0% 0.1% 0.0% 0.1% 0.1% 0.1% 0.1% 0.2% 0.		1			2.6%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Clear Green Clear Green Blue Brown Deposit Glass Containers Other Mixed Cullet Other Mixed Cullet HHM Automotive Products Paints and Solvents Pesticides & Fungicides Household Cleaners Batteries (lead-acid)	. 3	i	5.4%	2.4%	9.5%
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Fe		6.1%			10.2%
Ferrous Food Cher Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Other Non-Ferrou		1			0.1%
Other Ferrous Scrap Other Non-					0.2%
Cither Non-Ferrous Scrap 1.2% 0.1% 3.3					
Clear 0.5% 0.0% 1.7					
Clear Green	•		1.270		
Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet Automotive Products Pesticides, Herbicides & Fungicides Household Cleaners Datteries (lead -acid) Batteries (lead-acid) Batteries (lead-acid) Batteries (lead-acid) Batteries (lother) Other (HiHM containers w/prod inside) VARD WASTE Yard Waste Pumpkins COOD WASTE Food Waste Non-Treated Wood Treated Wood	=	0.6%	0.50		1.7%
Blue Brown					1.5%
Brown					0.0%
Deposit Glass Containers	Brown				0.0%
### 1.4%					0.0%
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (H-HM containers w/prod inside) YARD WASTE Prod Waste Pumpkins FOOD WASTE Food Waste NOOD Non-Treated Wood Tr	Other/ Mixed Cullet		0.1%	0.0%	0.2%
Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid)	ннм	1 4%	1	0.0%	4 79/
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (ead -acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Pood Waste Food Waste NOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Outher Durables Textiles Textiles Diapers Diapers Diapers Rubber OTHER ORGANIC Other Inorganic OTHER NORGANIC Other Other Other Other Other CAD ONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION CAD ONSTRUCTION & DEMOLITION CAD ONSTRUCTION & DEMOLITION CAD ONSTRUCTION & DEMOLITION CAS ONSTRUCTION & DEMOLITIO	Automotive Products	1	0.4%		1.7%
Pesticides, Herbicides & Fungicides Household Cleaners 0.3% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	Paints and Solvents	1			2.7%
Household Cleaners Batteries (lead -acid) Batteries (cother) 0.0% 0.0					0.0%
Batteries (other) Other (H-HM containers w/prod inside) Other (H-HM containers w/prod inside) VARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD W			0.3%	0.0%	1.3%
Other (HHM containers w/prod inside) 0.0% 0.0					0.0%
YARD WASTE 0.0% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.6% 14.1% 0.0% 1.18% 0.0% 1.18% 0.0% 3.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%					0.1%
Yard Waste Pumpkins 5.3% Pumpkins 5.3% Pumpkins 5.3% Poof Waste Food Waste	•	i	0.0%	0.0%	1
Pumpkins		0.0%			0.0%
FOOD WASTE FOOD Waste FOOD Wast FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Wast FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Wast FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOOD Waste FOO					0.0%
Food Waste NOOD Non-Treated Wood Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Non-Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood Treated Wood Treated Wood Treated Wood To 0,0% Treated Wood	Fumpuns	1	0.0%	0.0%	0.0%
Non-Treated Wood S.1% S.6% O.0% O.		5.3%	l	0.6%	14.1%
Non-Treated Wood Tought Treated Wood Tought Treated Wood	Food Waste		5.3%	0.6%	14.1%
Non-Treated Wood Treated Wood Treated Wood Treated Wood 0.5% 0.0% 0.0% 1.86 0.7% 0.0% 0.0% 3.19 0.7% 0.0% 0.0% 3.19 0.0% 0.0	WOOD	6.1%		0.5%	17.1%
DURABLES All Electrical and Household Appl. Other Durables O.7% O.0% O.0% O.0% O.0% O.0% O.0% O.0% O.0			5.6%		19.6%
All Electrical and Household Appl. Other Durables Textiles Textiles and Leather Diapers Diapers Rubber Rubber Other Organic Other Organic Other Organic Other Inorganic Other Inorganic Other Inorganic Other Inorganic Other Inorganic Other Supermix Fines/ Supermix Tines/ Supermix Other O	Treated Wood	1	0.5%		1.8%
All Electrical and Household Appl. Other Durables Textiles Textiles and Leather Diapers Diapers Rubber Rubber Other Organic Other Organic Other Organic Other Inorganic Other Inorganic Other Inorganic Other Inorganic Other Inorganic Other Supermix Fines/ Supermix Tines/ Supermix Other O	WIDADI EC		1		
Other Durables 0.0% 0.0% 0.0% TEXTILES 0.8% 0.0% 3.1% Textiles and Leather 0.8% 0.0% 3.1% DIAPERS 2.2% 0.0% 8.1% Diapers 2.2% 0.0% 8.1% RUBBER 2.7% 0.2% 8.1% Rubber 2.7% 0.2% 8.1% OTHER ORGANIC 0.3% 0.0% 1.2% Other Organic 0.0% 0.0% 0.1% Other Inorganic 0.0% 0.0% 0.1% Other Inorganic 0.0% 0.0% 0.0% OTHER Supermix 2.5% 0.3% 6.6% OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% O		0.7%	0.70/		3.1%
TEXTILES 0.8% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0% 3.1% 0.0		1			
Textiles and Leather 0.8% 0.0% 3.19 DIAPERS Diapers 2.2% 0.0% 8.19 RUBBER 2.7% 0.2% 8.19 Rubber 2.7% 0.2% 8.19 DTHER ORGANIC 0.3% 0.0% 1.29 DTHER INORGANIC 0.0% 0.0% 0.19 OTHER INORGANIC 0.0% 0.0% 0.19 OTHER INORGANIC 0.0% 0.0% 0.19 OTHER INORGANIC 0.0% 0.0% 0.19 OTHER INORGANIC 0.0% 0.0% 0.0% OTHER SUPERMIX 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OTHER 0.0% 0.0% 0.0% OT	EYTH EC		0.077		
DIAPERS 2.2% 0.0% 8.19		0.8%	اسمما		3.1%
Diapers 2.2% 0.0% 8.19			0.8%	0.0%	3.1%
RUBBER Rubber 2.7% 0.2% 8.19 2.7% 0.2% 8.19 2.7% 0.2% 8.19 0.2% 8.19 0.2% 8.19 0.2% 8.19 0.2% 8.19 0.2% 8.19 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.19 0.0% 0.0% 0.0% 0.19 0.0% 0.3% 6.69 0.0% 0.0		2.2%	l	0.0%	8.1%
Rubber 2.7% 0.2% 8.19	Diapers		2.2%	0.0%	8.1%
Rubber 2.7% 0.2% 8.19 DTHER ORGANIC 0.3% 0.0% 1.29 DTHER INORGANIC 0.0% 0.0% 0.19 Other Inorganic 0.0% 0.0% 0.19 SINES/SUPERMIX 2.5% 0.3% 6.69 Fines/ Supermix 2.5% 0.3% 6.69 DTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49	RUBBER	2.7%	1	0.2%	8.1%
OTHER ORGANIC Other Organic 0.3% 0.0% 1.29 OTHER INORGANIC Other Inorganic 0.0% 0.0% 0.19 Other Inorganic Fines/SUPERMIX Fines/ Supermix 2.5% 0.3% 6.69 OTHER Other 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% ONSTRUCTION & DEMOLITION C&D 1.8% 0.0% 6.49	Rubber		2 7%		
Other Organic 0.3% 0.0% 1.29 OTHER INORGANIC 0.0% 0.0% 0.19 Other Inorganic 0.0% 0.0% 0.19 FINES/SUPERMIX 2.5% 0.3% 6.69 Fines/ Supermix 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.09 Other 0.0% 0.0% 0.09 CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49				0.270	5.170
OTHER INORGANIC 0.0% 0.0% 0.19 Other Inorganic 0.0% 0.0% 0.19 SINES/SUPERMIX 2.5% 0.3% 6.69 Fines/ Supermix 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.09 Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49	OTHER ORGANIC	0.3%		0.0%	1.2%
Other Inorganic 0.0% 0.0% 0.19 FINES/SUPERMIX 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49	Other Organic	<i>[</i>	0.3%	0.0%	1.2%
Other Inorganic 0.0% 0.0% 0.19 FINES/SUPERMIX 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49	THER INORGANIC				
1.8% 1.8%		V.U%	0.00		
Fines/ Supermix 2.5% 0.3% 6.69 OTHER 0.0% 0.0% 0.09 CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.49 C&D 1.8% 0.0% 6.49	_		0.0%	0.0%	U.1%
OTHER 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0		2.5%	ĺ		6.6%
Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.4% C&D 1.8% 0.0% 6.4%	Fines/ Supermix		2.5%	0.3%	6.6%
Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.8% 0.0% 6.4% C&D 1.8% 0.0% 6.4%	THER	0.0%		0.0%	0.0%
C&D 1.8% 0.0% 6.49			0.0%		0.0%
C&D 1.8% 0.0% 6.4%	ONSTRUCTION & DEMO: TICH				
1.0%		1.8%			6.4%
TOTAL PERCENT 400 0%			7.8%	0.0%	6.4%
IUU.U A	TOTAL PERCENT	100.0%	· · · · · · · · · · · · · · · · · · ·		

MONONA COUNTY MSW Composition Mixed - Spring and Fall

Sample Size = Total Wt Sorted = Avg Wt per Sample 21 4,508

loads pounds pounds

Total Wt Sorted = Avg Wt per Sample =		4,508 215	pounds pounds	
WASTE CATEGORIES	7	- 1	90% Confi	dence
Material		. L	Interval	(%)
PAPER	Mean Perc 43.9%	entage	Lower	Upper
Newspaper	1	8.4%	40.7% 6.0%	47.0% 11.2%
Magazines	ĺ	6.9%	5.5%	8.4%
High Grade/ Office OCC and Kraft Bags		5.0% 6.7%	3.1%	7.2%
Mixed Recyc Paper		8.8%	5.2% 7.6%	8.5% 10.1%
Other Non-Recyc Paper		8.1%	6.5%	9.8%
PLASTIC	11.1%	- 1	9.6%	12.5%
#1 PET Containers	1	0.4%	0.3%	0.5%
#1 PET Deposit #2 HDPE Containers		0.2%	0.2%	0.3%
All Other Numbered Containers		1.6% 0.5%	1.2% 0.3%	2.0% 0.6%
Other Plastic Not Numbered		4.2%	3.3%	5.1%
Film/Wrap/Bags	1	4.2%	3.7%	4.8%
METAL	6.0%	1	4.5%	7.6%
Alum Non-Deposit Beverage Containers		0.2%	0.1%	0.3%
Alum Deposit Beverage Containers Ferrous Food		0.3% 2.4%	0.2% 2.0%	0.5%
Other Ferrous Scrap		2.7%	1.5%	2.9% 4.3%
Other Non-Ferrous Scrap	1	0.4%	0.3%	0.5%
GLASS	1.8%	- 1	1.4%	2.4%
Clear		1.1%	0.7%	1.5%
Green		0.2%	0.1%	0.4%
Blue Brown	1	0.0%	0.0% 0.0%	0.0%
Deposit Glass Containers		0.3%	0.0%	0.2% 0.5%
Other/ Mixed Cullet		0.2%	0.1%	0.4%
HHM	1.1%		0.7%	1.6%
Automotive Products		0.5%	0.2%	1.0%
Paints and Solvents	-	0.2%	0.0%	0.3%
Pesticides, Herbicides & Fungicides Household Cleaners	1	0.0%	0.0%	0.0%
Batteries (lead -acid)	1	0.1% 0.0%	0.0% 0.0%	0.2% 0.0%
Batteries (other)	j	0.1%	0.0%	0.1%
Other (HHM containers w/prod inside)	ł	0.2%	0.1%	0.3%
YARD WASTE	3.2%	ł	1.7%	5.2%
Yard Waste Pumpkins		1.1%	0.5%	2.0%
•		2.1%	0.9%	3.8%
FOOD WASTE	12.0%		10.4%	13.6%
Food Waste		12.0%	10.4%	13.6%
WOOD Non-Treated Wood	1.5%		0.8%	2.5%
Treated Wood]	0.5% 1.0%	0.2% 0.4%	0.9%
	Į.	1.076	0.476	1.8%
DURABLES	1.8%		0.9%	2.9%
All Electrical and Household Appl. Other Durables		1.1%	0.5%	1.8%
TEXTILES		0.7%	0.2%	1.5%
Textiles and Leather	5.2%	5.2%	3.6% 3.6%	7.1%
		3.270		7.1%
DIAPERS Diapers	2.9%	2.00/	1.8%	4.1%
•		2.9%	1.8%	4.1%
RUBBER	0.8%		0.4%	1.3%
Rubber		0.8%	0.4%	1.3%
OTHER ORGANIC	1.4%		1.0%	1.8%
Other Organic		1.4%	1.0%	1.8%
OTHER INORGANIC	A 50/			
Other Inorganic	0.5%	0.50	0.3%	0.8%
INES/SUPERMIX		0.5%	0.3%	0.8%
Fines/ Supermix	7.3%	7 20/	5.4%	9.1%
·	_	7.3%	5.8%	8.9%
OTHER Other	0.1%	البي	0.0%	0.1%
		0.1%	0.0%	0.1%
ONSTRUCTION & DEMOLITION	0.6%	1	0.2%	1.1%
C&D		0.6%	0.2%	1.1%
TOTAL PERCENT	100.0%			

MONONA COUNTY MSW Composition Combined - Spring and Fall

Sample Size =
Total Wt Sorted =
Avg Wt per Sample :

37 loads 8,269 pounds 223 pounds

Avg Wt per Sample =		223	pounds	
WASTE CATEGORIES	T	— т	90% Confid	lence
Material			Interval (%)	
PAPER	Mean Pero	entage	Lower	Upper
Newspaper Newspaper	43.1%	7.7%	38.8% 5.9%	47.3% 9.8%
Magazines	1	5.5%	4.5%	6.7%
High Grade/ Office		4.2%	2.9%	5.8%
OCC and Kraft Bags	ļ	10.7%	7.5%	14.5%
Mixed Recyc Paper	1	8.0%	6.7%	9.4%
Other Non-Recyc Paper		6.9%	5.5%	8.3%
PLASTIC	9.6%	1	8.1%	11.2%
#1 PET Containers		0.3%	0.2%	0.4%
#1 PET Deposit #2 HDPE Containers		0.3%	0.2%	0.3%
All Other Numbered Containers	1	1.2% 0.5%	0.9% 0.3%	1.6% 0.6%
Other Plastic Not Numbered	1	3.4%	2.6%	4.3%
Film/Wrap/Bags		4.0%	3.3%	4.7%
METAL	5.7%	1	4.6%	6.8%
Alum Non-Deposit Beverage Containers	1	0.1%	0.1%	0.2%
Alum Deposit Beverage Containers		0.3%	0.2%	0.4%
Ferrous Food	ļ	2.0%	1.6%	2.5%
Other Ferrous Scrap	1	2.8%	1.8%	3.9%
Other Non-Ferrous Scrap		0.5%	0.4%	0.7%
GLASS	1.8%		1.4%	2.3%
Clear	i	1.0%	0.7%	1.3%
Green Blue		0.1% 0.0%	0.1%	0.2%
Brown		0.0%	0.0% 0.1%	0.0% 0.3%
Deposit Glass Containers	1	0.3%	0.1%	0.5%
Other/ Mixed Cullet	ļ	0.2%	0.1%	0.3%
ННМ	1.4%		0.9%	2.0%
Automotive Products	"""	0.6%	0.3%	0.9%
Paints and Solvents	•	0.4%	0.2%	0.7%
Pesticides, Herbicides & Fungicides		0.1%	0.0%	0.1%
Household Cleaners]	0.1%	0.0%	0.2%
Batteries (lead -acid)	j	0.0%	0.0%	0.0%
Batteries (other)		0.1%	0.0%	0.1%
Other (HHM containers w/prod inside)		0.1%	0.1%	0.2%
YARD WASTE	3.7%		2.3%	5.5%
Yard Waste Pumpkins		1.1% 2.6%	0.6% 1.4%	1.8%
•		2.0%	1.476	4.2%
FOOD WASTE	10.6%		8.6%	12.9%
Food Waste		10.6%	8.6%	12.9%
WOOD	2.6%		1.6%	3.9%
Non-Treated Wood		1.4%	0.7%	2.3%
Treated Wood		1.2%	0.7%	1.9%
DURABLES	4.0%	- 1	2.2%	6.3%
All Electrical and Household Appl.	4.0%	1.4%	0.9%	2.1%
Other Durables		2.6%	1.1%	4.6%
TEXTILES	4.1%	1	2.9%	5.5%
Textiles and Leather	7.176	4.1%	2.9%	5.5%
DIAPERS			-	
Diapers	2.8%	2.8%	2.0% 2.0%	3.9% 3.9%
· •		2.076	2.076	3.970
RUBBER	1.0%		0.7%	1.5%
Rubber		1.0%	0.7%	1.5%
OTHER ORGANIC	1.3%	1	0.9%	1.8%
Other Organic	1.0%	1.3%	0.9%	1.8%
onto organio		1.5%	0.576	1.076
OTHER INORGANIC	0.6%	1	0.4%	0.9%
Other Inorganic		0.6%	0.4%	0.9%
FINES/SUPERMIX	6.9%		5.3%	8.6%
Fines/ Supermix	/·	6.9%	5.4%	8.5%
OTHER	0.00/			
Other	0.2%	0.2%	0.1% 0.1%	0.4%
		0.270	0.1%	0.4%
CONSTRUCTION & DEMOLITION	0.7%		0.4%	1.1%
C&D		0.7%	0.4%	1.1%
TOTAL PERCENT	100.0%			
	/6			

MONONA COUNTY Solid Waste Composition	1	
Spring and Fall		
Sample Size = Total Wt Sorted =	37 8,269	loads pounds
Avg Wt per Sample	223	pounds
WASTE CATEGORIES Material		
PAPER	Mean Per	centage
Newspaper	33.4%	6.0%
Magazines High Grade/ Office		4.1% 3.4%
OCC and Kraft Bags		8.2%
Mixed Recyc Paper Other Non- Recyc Paper		6.3% 5.4%
PLASTIC	7.5%	
#1 PET Containers #1 PET Deposit		0.1% 0.1%
#2 HDPE Containers		1.2%
All Other Numbered Containers Other Plastic Not Numbered		0.2% 2.9%
Film/Wrap/Bags		3.0%
METAL	4.4%	0.00
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers		0.0 % 0.1 %
Ferrous Food Other Ferrous Scrap		1.6% 2.5%
Other Non-Ferrous Scrap		2.5% 0.2%
GLASS	0.9%	
Clear Green		0.7% 0.1%
Blue		0.0%
Brown Deposit Glass Containers		0.0% 0.1%
Other/ Mixed Cullet		0.0%
HHM Automotivo Dradusta	0.7%	0.00
Automotive Products Paints and Solvents		0.3% 0.3%
Pesticides, Herbicides & Fungicides Household Cleaners		0.0 % 0.0 %
Batteries (lead -acid)		0.0%
Batteries (other) Other (HHM containers w/prod inside)		0.0% 0.1%
YARD WASTE	2.8%	
Yard Waste Pumpkins		1.0% 1.8%
FOOD WASTE	8.3%	1.076
Food Waste	6.3%	8.3%
WOOD _	2.3%	
Non-Treated Wood Treated Wood		1.2% 1.1%
DURABLES	2.6%	
All Electrical and Household Appl.	2.0%	0.9%
Other Durables		1.7%
TEXTILES Textiles and Leather	3.3%	3.3%
DIAPERS	2.5%	5.070
Diapers		2.5%
RUBBER	0.7%	
Rubber		0.7%
OTHER ORGANIC	1.0%	
Other Organic		1.0%
OTHER INORGANIC	0.6%	
Other Inorganic FINES/SUPERMIX	E 00/	0.6%
Fines/ Supermix	5.2%	5.2%
INFECTIOUS WASTE	0.0%	
Infectious Waste		0.0%
CONSTRUCTION & DEMOLITION	20.6%	
C&D		20.6%
SPECIAL WASTES Special Wastes	0.4%	0.4%
TOTAL PERCENT	400 00	U.476
IUIAL PERCENT	100.0%	

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Residential - Spring and Fall

Sample Size = Total Wt Sorted =

18 loads 4,044 pounds

WASTE CATEGORIES Mean Percentage	Avg Wt per Sample =		4,044 225	pounds pounds	
Material Mean Percentage Cover	WASTE CATEGORIES				ience
PAPER 22.7% 3.4% 14.1% 31 33 3.4% 1.8% 5.7% 1.4% 3.1% 3.4% 1.6% 3.4% 3.1% 5.5% 3.3% 3.6% 3.4% 3.1% 5.5% 3.3% 3.6% 3.4% 3.1% 5.5% 3.3% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.5% 3.6% 3.6% 3.5% 3.6% 3			i		
Newspaper 1.9% 1.9% 1.9% 3.4% 3.1% 3.5% 3.			entage		Upper
Magazines		22.2%			31.4%
High Grade Office O.S% 0.2% 0.2% O. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co		ļ			5.5%
OCC and Kraft Bags Mixed Recyo Paper A3% 2.8% 7		1			3.2% 0.8%
Mixed Recyc Paper		i			7.5%
Chief Non-Recyc Paper 7.2% 4.4% 10					6.5%
PLASTIC		1			10.7%
#1 PET Containers #1 PET Lopacial #1 PET Lopacial #1 PET Lopacial #1 PET Lopacial #1 PET Lopacial #2 HDPE Containers	' '	44.49/			
#1 PET Deposit		11.1%	0.20		15.1%
#2 HDPE Containers All Cither Numbered Containers All Cither Numbered Containers Cither Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Onlive Cother Non-Ferrous Scrap Cither Non-Ferrous Containers Cither Non-Ferrous Scrap Cither Non-Ferrous Containers Cither Non-Ferrous Scrap Cither Non-Ferrous Containers Cither Non-Ferrous Contain					0.3% 0.1%
All Cther Numbered Containers					0.1%
Chter Plastic Not Numbered FilmWrap/Bags S.2% S.1% S.5% S.7% 12	All Other Numbered Containers	1			1.3%
METAL Alum Non-Deposit Beverage Containers 0.1% 0.0% 0.		i	4.4%	3.1%	5.9%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Perrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Scrap Other Non-Ferrous Scrap Other Scrap Other Non-Ferrous Scrap Other Mon-Ferrous Scrap Other Other Mon-Ferrous Scrap	Film/Wrap/Bags		5.2%	3.0%	8.0%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap	METAL	8.8%		5.7%	12.5%
Ferrous Food 1.3% 0.7% 2 2 2 2 2 2 2 2 2	Alum Non-Deposit Beverage Containers		0.1%	0.0%	0.1%
Other Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other Mixed Cullet HHM Automotive Products Parities and Leather Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Prod Waste Purplers Prod Waste Prod		ŀ	0.1%	0.0%	0.1%
Chter Non-Ferrous Scrap 1.3% 0.6% 2.8 GLASS Clear 0.0%			1.3%	0.7%	2.2%
Clear		i			9.4%
Clear 1.6% 0.9% 2 2 2 2 2 2 2 2 2	Other Non-Ferrous Scrap	1	1.3%	0.6%	2.2%
Clear 1.6% 0.9% 2.2	GLASS	2.8%		1.9%	3.9%
Blue Brown Deposit Glass Containers Other/ Mixed Cullet 1.0% 0.1% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0%	Clear		1.6%		2.5%
Brown		1	0.0%	0.0%	0.0%
Deposit Glass Containers					0.0%
Cther/ Mixed Cullet		İ			0.3%
HHM		ì			0.2%
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (ether) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Food Waste WOOD Non-Treated Wood Treated	Other/ Mixed Cullet		1.0%	0.4%	1.8%
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Pood Waste Food Waste WOOD Non-Treated Wood Treated Wo	HHM	0.8%	I	0.4%	1.3%
Pesticides, Herbicides & Fungicides 0.0%	Automotive Products		0.3%	0.1%	0.6%
Household Cleaners 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.1% 0.1% 0.1% 0.0% 0.1% 0.0%			0.2%	0.1%	0.3%
Batteries (lead -acid) Batteries (other) Other (I-HIM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Food Waste Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES TextileS TextileS TextileS Diapers Diapers Diapers Rubber OTHER ROGANIC Other Inorganic OTHER Other CONSTRUCTION & DEMOLITION O.0% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0		}			0.0%
Batteries (other)					0.0%
Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD W					0.0%
YARD WASTE 1.7% 0.6% 3. Yard Waste 0.2% 0.5% 2. Pumpkins 0.2% 0.0% 0. FOOD WASTE 6.7% 3.4% 10. FOOD Waste 6.7% 3.4% 10. WOOD 12.5% 5.9% 21. Non-Treated Wood 3.8% 1.6% 6. Treated Wood 3.8% 15. DURABLES 10.9% 5.3% 18. All Electrical and Household Appl. 3.7% 1.6% 6. Cher Durables 5.7% 1.6% 6. Textiles and Leather 5.7% 3.3% 8. DIAPERS 5.7% 3.3% 8. DIAPERS 0.1% 0.7% 3. DIAPERS 0.8% 0.4% 1. DOTHER ORGANIC 0.8% 0.4% 1. Other Organic 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OT					0.3%
Yard Waste 1.5% 0.5% 2. Pumpkins 0.2% 0.0% 0. FOOD WASTE 6.7% 3.4% 10. Food Waste 6.7% 3.4% 10. WOOD 12.5% 5.9% 21. Non-Treated Wood 3.8% 1.6% 6. Treated Wood 8.8% 3.8% 15. DURABLES 10.9% 3.7% 1.6% 6. All Electrical and Household Appl. 3.7% 1.6% 6. Other Durables 5.7% 3.3% 8. Textiles and Leather 5.7% 3.3% 8. Diapers 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. RUBBER 0.8% 0.4% 1. Rubber 0.8% 0.4% 1. OTHER ORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER Inorganic 1.7% 0.6% 3.			0.170		0.2%
Pumpkins 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%		1.7%			3.4%
FOOD WASTE FOOD Waste					2.9%
Food Waste 6.7% 3.4% 10. WOOD 12.5% 3.8% 1.6% 6. Treated Wood 8.8% 3.8% 15. DURABLES 10.9% 5.3% 18. All Electrical and Household Appl. Cher Durables 7.2% 2.7% 13. TEXTILES 5.7% 3.3% 8. Textiles and Leather 5.7% 3.3% 8. DIAPERS 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. RUBBER 0.8% 0.4% 1. OTHER ORGANIC 0.8% 0.4% 1. OTHER INORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER OTHER OTHER 0.4% 4.3% 2.5% 6. OTHER OTHER OTHER 0.4% 4.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.5% 0.4% 4.5% 0.4% 4.5% 0.5% 0.4% 4.5	Pumpians		0.2%	0.0%	0.5%
Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles Textiles and Leather DIAPERS Diapers Diapers TRUBBER Rubber OTHER ORGANIC Other Organic Other Inorganic TIRES INORGANIC Other Inorganic Other Inorganic TIRES INORGANIC Other Inorganic Textiles August Inore Inorganic Textiles August Inore Inorganic Textiles Inorganic Te	FOOD WASTE	6.7%	1	3.4%	10.9%
Non-Treated Wood Treated Wood Treated Wood 3.8% 1.6% 6. 6. 8.8% 3.8% 15.	Food Waste	ľ	6.7%	3.4%	10.9%
Non-Treated Wood Treated Wood Treated Wood 3.8% 1.6% 6. 6. 8.8% 3.8% 15.	Woon	12.5%	- 1	5 9%	21.3%
Treated Wood 8.8% 3.8% 15. DURABLES All Electrical and Household Appl. 7.2% 2.7% 13. TEXTILES 5.7% 3.3% 8. Textiles and Leather 5.7% 3.3% 8. DIAPERS 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. RUBBER 0.8% 0.4% 1. COTHER ORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER OTHER 1.8% 0.4% 4. OTHER 0.4% 4. OTHER 1.8% 0.4% 4. OTHER 0.4% 4. OTHER 0.4% 4. OTHER 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		12.5%	3 8%		6.9%
DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles and Leather Diapers Dia					15.5%
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather DIAPERS Diapers Diapers Rubber Other Organic Other Organic Other Inorganic DIAPER INORGANIC Other Inorganic Other Ot					
Other Durables 7.2% 2.7% 13. TEXTILES 5.7% 3.3% 8. DIAPERS 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. RUBBER 0.8% 0.4% 1. Rubber 0.8% 0.4% 1. OTHER ORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		10.9%	l		18.1%
TEXTILES					6.6%
Textiles and Leather 5.7% 3.3% 8. DIAPERS 1.8% 0.7% 3. Diapers 1.8% 0.7% 3. RUBBER 0.8% 0.4% 1. OTHER ORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. OTHER INORGANIC 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER Other 1.8% 0.4% 4. Other 0.4% 4. Other 1.8% 0.4% 4. Other 1.8% 0.4% 4. OTHER 0.4% 4. OTHER 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	Other Durables		7.2%	2.7%	13.6%
DIAPERS 1.8% 0.7% 3. 0.7% 3. 0.7% 3. 0.7% 3. 0.7% 3. 0.8% 0.4% 1. 0.8% 0.4% 1. 0.8% 0.4% 1. 0.7% 3. 0.	TEXTILES	5.7%	1	3.3%	8.6%
Diapers 1.8% 0.7% 3. 3.	Textiles and Leather		5.7%	3.3%	8.6%
Diapers 1.8% 0.7% 3. 3.	NAPERS	4 00/	- 1	0.79/	3.4%
RUBBER 0.8% 0.4% 1. Rubber 0.8% 0.4% 1. OTHER ORGANIC 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		1.0%	1 8%		3.4%
Rubber 0.8% 0.4% 1. DTHER ORGANIC Other Organic 1.8% 0.7% 3. DTHER INORGANIC Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX Fines/ Supermix 4.3% 2.5% 6. DTHER Other 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	•		1.0%	0.1 70	3.470
OTHER ORGANIC 1.8% 0.7% 3. Other Organic 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		0.8%		0.4%	1.4%
Other Organic 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. Fines/ Supermix 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	Rubber	i	0.8%	0.4%	1.4%
Other Organic 1.8% 0.7% 3. OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. Fines/ Supermix 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	OTHER ORGANIC	1	- 1		
OTHER INORGANIC 1.7% 0.6% 3. Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. Fines/ Supermix 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		1.8%			3.4%
Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	Other Organic		1.8%	0.7%	3.4%
Other Inorganic 1.7% 0.6% 3. FINES/SUPERMIX 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	OTHER INORGANIC	1 7%	- 1	0.6%	3.4%
FINES/SUPERMIX 4.3% 2.5% 6. Fines/ Supermix 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		""	1 704		
Fines/ Supermix 4.3% 2.5% 6. OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	_	1	1.770		3.4%
OTHER 1.8% 0.4% 4. Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		4.3%			6.7%
Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	Fines/ Supermix	1	4.3%	2.5%	6.7%
Other 1.8% 0.4% 4. CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.	OTHER	1.8%	1	0.4%	4.1%
CONSTRUCTION & DEMOLITION 4.7% 2.2% 8.		1	1.8%		4.1%
C&D 4.7% 2.2% 8.		4.7%	1		8.1%
1	CKD	1	4.7%	2.2%	8.1%
TOTAL PERCENT 100.0%	TOTAL PERCENT	100 0%	I.		

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Commercial - Spring and Fall

Sample Size = Total Wt Sorted ≈

22 5,087 loads pounds

I otal Wt Sorted = Avg Wt per Sample =		5,087 231	pounds	
		231	pounds	
WASTE CATEGORIES Material		T	90% Confid	
material	Mean Percer	_{tage}	Interval (Lower	%) Upper
PAPER	19.2%	iuge	11.8%	27.9%
Newspaper]	0.5%	0.2%	1.1%
Magazines		0.9%	0.3%	1.8%
High Grade/ Office		1.1%	0.4%	2.0%
OCC and Kraft Bags		7.1%	3.9%	11.2%
Mixed Recyc Paper	1	1.4%	0.6%	2.4%
Other Non-Recyc Paper	İ	8.2%	4.0%	13.7%
PLASTIC	34.1%		21.4%	48.2%
#1 PET Containers	!	0.0%	0.0%	0.0%
#1 PET Deposit		0.0%	0.0%	0.0%
#2 HDPE Containers All Other Numbered Containers		0.4%	0.1%	0.8%
Other Plastic Not Numbered		0.4% 31.7%	0.1% 18.0%	0.8% 47.2%
Film/Wrap/Bags	i	1.6%	0.8%	2.6%
METAL	3.4%	1.07	1.5%	6.1%
Alum Non-Deposit Beverage Containers	3.4%	0.0%	0.0%	0.0%
Alum Deposit Beverage Containers		0.0%	0.0%	0.0%
Ferrous Food		0.1%	0.0%	0.0%
Other Ferrous Scrap		2.5%	0.9%	4.7%
Other Non-Ferrous Scrap		0.9%	0.3%	1.7%
GLASS	11.1%			
Clear	11.1%	0.1%	3.3% 0.0%	22.5% 0.2%
Green		0.0%	0.0%	0.2%
Blue		0.0%	0.0%	0.0%
Brown		0.0%	0.0%	0.0%
Deposit Glass Containers	1	0.0%	0.0%	0.0%
Other/ Mixed Cullet		11.0%	3.2%	22.6%
ннм	0.4%	1	0.1%	0.8%
Automotive Products		0.0%	0.0%	0.0%
Paints and Solvents	1	0.4%	0.1%	0.8%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners	ł	0.0%	0.0%	0.0%
Batteries (lead -acid)	[0.0%	0.0%	0.0%
Batteries (other)		0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)	ļ	0.0%	0.0%	0.0%
YARD WASTE	0.0%	- 1	0.0%	0.0%
Yard Waste	}	0.0%	0.0%	0.0%
Pumpkins		0.0%	0.0%	0.0%
FOOD WASTE	3.8%	- 1	1.2%	7.8%
Food Waste		3.8%	1.2%	7.8%
WOOD	11.4%		6.3%	17.8%
Non-Treated Wood	11.7/	9.0%	4.1%	15.4%
Treated Wood		2.4%	1.0%	4.5%
DURABLES	2.3%		0.8%	4.6%
All Electrical and Household Appl.		0.1%	0.0%	0.2%
Other Durables		2.2%	0.7%	4.5%
TEXTILES	0.4%	- 1	0.1%	0.7%
Textiles and Leather		0.4%	0.1%	0.7%
DIAPERS	0.0%		0.0%	0.0%
Diapers	0.0%	0.0%	0.0%	0.0%
·		0.070		
RUBBER	0.9%		0.3%	1.9%
Rubber	1	0.9%	0.3%	1.9%
OTHER ORGANIC	0.3%	1	0.1%	0.5%
Other Organic	0.5%			
Other Organic	1	0.3%	0.1%	0.5%
OTHER INORGANIC	1.6%		0.5%	3.4%
Other Inorganic		1.6%	0.5%	3.4%
FINES/SUPERMIX	4.50/			1
Fines/ Supermix	1.5%	1 50/	0.6%	3.0%
	1	1.5%	0.6%	3.0%
OTHER	4.5%	-	1.7%	8.6%
Other		4.5%	1.7%	8.6%
CONSTRUCTION & DEMOLITION	5.1%		1.7%	10.2%
C&D	J.178	5.1%	1.7%	10.2%
		J. 170	1.770	10.270
TOTAL PERCENT	100.0%			

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Mixed - Spring and Fall

Sample Size =

56 loads

Sample Size ≈ Total Wt Sorted =		12,529	pounds	
Avg Wt per Sample =		224	pounds	
WASTE CATEGORIES			90% Conf	danaa
Material	Ī	- 1	Interval	
	Mean Perce	ntage	Lower	Upper
PAPER	35.6%		32.0%	39.4%
Newspaper		5.5%	4.2%	7.0%
Magazines High Grade/ Office	1	3.2%	2.5%	4.0%
OCC and Kraft Bags	i	3.4% 7.1%	2.3% 5.9%	4.6% 8.5%
Mixed Recyc Paper		5.9%	4.9%	7.0%
Other Non-Recyc Paper		10.5%	9.1%	12.1%
PLASTIC	15.7%	- 1	13.8%	17.7%
#1 PET Containers	15.7%	0.2%	0.2%	0.3%
#1 PET Deposit	1	0.1%	0.1%	0.3%
#2 HDPE Containers	i	1.0%	0.8%	1.2%
All Other Numbered Containers		0.5%	0.3%	0.7%
Other Plastic Not Numbered		5.9%	4.7%	7.2%
Film/Wrap/Bags	1	8.0%	6.7%	9.4%
METAL	5.9%		4.8%	7.2%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers		0.0%	0.0%	0.0%
Ferrous Food		0.1% 1.3%	0.1% 1.0%	0.1% 1.6%
Other Ferrous Scrap		4.1%	3.0%	5.3%
Other Non-Ferrous Scrap		0.5%	0.3%	0.7%
GLASS	1 400	0.070		
Clear	1.4%	0.9%	1.1% 0.7%	1.8% 1.2%
Green	1	0.0%	0.0%	0.0%
Blue .	1	0.0%	0.0%	0.0%
Brown		0.0%	0.0%	0.0%
Deposit Glass Containers	l	0.2%	0.1%	0.3%
Other/ Mixed Cullet		0.3%	0.2%	0.5%
ннм	0.5%	1	0.3%	0.6%
Automotive Products	1	0.2%	0.1%	0.3%
Paints and Solvents		0.1%	0.0%	0.1%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)	İ	0.0% 0.1%	0.0% 0.0%	0.0% 0.1%
Other (HHM containers w/prod inside)		0.1%	0.0%	0.1%
YARD WASTE	0.6%		0.4%	0.9%
Yard Waste	0.6%	0.6%	0.4%	0.9%
Pumpkins		0.0%	0.0%	0.0%
POOR 144 ATT				
FOOD WASTE Food Waste	7.0%	7.00	5.5%	8.7%
		7.0%	5.5%	8.7%
WOOD	5.5%		3.8%	7.4%
Non-Treated Wood Treated Wood		2.9%	1.9%	4.2%
Treated 77000		2.5%	1.7%	3.6%
DURABLES	3.1%		2.0%	4.5%
All Electrical and Household Appl.]	1.3%	0.8%	1.9%
Other Durables		1.8%	1.0%	2.8%
TEXTILES	5.3%	1	4.0%	6.7%
Textiles and Leather		5.3%	4.0%	6.8%
DIAPERS	2.5%	1	1.7%	3.3%
Diapers	2.5%	2.5%	1.7%	3.3%
RUBBER				
	0.3%		0.2%	0.4%
Rubber		0.3%	0.2%	0.4%
OTHER ORGANIC	0.8%		0.5%	1.1%
Other Organic		0.8%	0.5%	1.1%
•	1	0.07.	0.0.0	
OTHER INORGANIC	2.2%		1.3%	3.2%
Other Inorganic		2.2%	1.3%	3.2%
FINES/SUPERMIX	5.6%		4.4%	6.8%
Fines/ Supermix		5.6%	4.5%	6.8%
OTHER	1.2%	- 1	0.6%	2.0%
Other	1.2/8	1.2%	0.6%	2.0%
CONSTRUCTION & DEMOLITION	7.0%		4.5%	10.0%
C&D		7.0%	4.5%	10.0%
TOTAL PERCENT	100.0%			

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Combined - Spring and Fall

Sample Size -	90	loads
Total Wt Sorted =	21,660	pound
vg Wt per Sample =	226	pound

		226	pounds		
WASTE CATEGORIES		T	90% Confidence		
Material	Mean Perc	entage	Interval (Lower	%) Upper	
PAPER	29.3%	ontage	25.7%	33.19	
Newspaper		4.0%	3.1%	5.09	
Magazines High Grade/ Office		2.4%	1.9%	3.09	
OCC and Kraft Bags		2.3% 6.7%	1.7% 5.6%	3.09 8.09	
Mixed Recyc Paper		4.6%	3.7%	5.59	
Other Non- Recyc Paper		9.4%	7.8%	11.09	
PLASTIC	19.0%	- 1	16.0%	22.39	
#1 PET Containers		0.2%	0.1%	0.29	
#1 PET Deposit		0.1%	0.1%	0.19	
#2 HDPE Containers		0.8%	0.6%	0.99	
All Other Numbered Containers Other Plastic Not Numbered		0.5%	0.3%	0.79	
FilmWrap/Bags		11.5% 6.0%	8.8 % 5.0 %	14.69	
METAL		0.076		7.29	
Alum Non-Deposit Beverage Containers	5.9%	0.00/	4.8%	7.19	
Alum Deposit Beverage Containers		0.0% 0.1%	0.0% 0.0%	0.09 0.19	
Ferrous Food		1.0%	0.8%	1.39	
Other Ferrous Scrap		4.1%	3.2%	5.19	
Other Non-Ferrous Scrap		0.7%	0.5%	1.0%	
GLASS	3.9%	ı	2.7%	5.4%	
Clear	4.476	0.9%	0.7%	1.1%	
Green		0.0%	0.0%	0.0%	
Blue		0.0%	0.0%	0.0%	
Brown		0.0%	0.0%	0.1%	
Deposit Glass Containers Other/ Mixed Cullet		0.1%	0.1%	0.2%	
		2.9%	1.7%	4.3%	
НМ	0.5%		0.4%	0.7%	
Automotive Products		0.2%	0.1%	0.3%	
Paints and Solvents		0.2%	0.1%	0.2%	
Pesticides, Herbicides & Fungicides Household Cleaners		0.0%	0.0%	0.0%	
Batteries (lead -acid)		0.0%	0.0%	0.0%	
Batteries (other)		0.0%	0.0% 0.0%	0.0% 0.1%	
Other (HHM containers w/prod inside)		0.1%	0.0%	0.1%	
ARD WASTE	0.7%		0.4%	0.9%	
Yard Waste	0.776	0.6%	0.4%	0.9%	
Pumpkins		0.0%	0.0%	0.1%	
OOD WASTE					
Food Waste	6.2%	6.2%	4.8% 4.8%	7.8%	
		0.2%		7.8%	
VOOD Non-Treated Wood	8.1%	4.504	6.2%	10.3%	
Treated Wood		4.5% 3.7%	3.2% 2.6%	5.9% 4.9%	
Treated VVOod		3.7%	2.0%	4.9%	
DURABLES	4.4%	I.	3.1%	5.9%	
All Electrical and Household Appl.		1.5%	1.0%	2.0%	
Other Durables		2.9%	1.9%	4.1%	
EXTILES	4.2%		3.3%	5.3%	
Textiles and Leather		4.2%	3.3%	5.3%	
PIAPERS	1.8%	i	1.3%	2.3%	
Diapers	1.078	1.8%	1.3%	2.3%	
RUBBER	0.5%		0.4%	0.7%	
Rubber		0.5%	0.4%	0.7%	
THER ORGANIC	0.9%		0.6%	1.2%	
Other Organic	0.070	0.9%	0.6%	1.2%	
_		0.3 /6	0.070	1.270	
THER INORGANIC	2.0%		1.3%	2.7%	
Other Inorganic		2.0%	1.3%	2.7%	
INES/SUPERMIX	4.4%	1	3.5%	5.4%	
Fines/ Supermix	4.479	4.4%	3.5%	5.4%	
,					
THER	2.1%	ایی	1.3%	3.0%	
Other		2.1%	1.3%	3.0%	
Other		i			
ONSTRUCTION & DEMOLITION	6.1%	ĺ	4.3%	8.2%	
i	6.1%	6.1%	4.3% 4.3%	8.2% 8.2%	

SOUTH CENTRAL IOWA SOLID WA		
Solid Waste Compositi Spring and Fali	ion	
Sample Size = Total Wt Sorted = Avg Wt per Sampl	96 21,660 e 226	loads pounds pounds
WASTE CATEGORIES Materia!		
PAPER	Mean Per 23.2%	centage
Newspaper	2012/0	3.1%
Magazines		1.9%
High Grade/ Office OCC and Kraft Bags	-	1.8% 5.3%
Mixed Recyc Paper		3.6%
Other Non-Recyc Paper		7.4%
PLASTIC	15.1%	
#1 PET Containers #1 PET Deposit	İ	0.1% 0.1%
#2 HDPE Containers	Į.	0.6%
All Other Numbered Containers Other Plastic Not Numbered		0.4%
Film/Wrap/Bags	İ	9.1% 4.8%
METAL	4.7%	
Alum Non-Deposit Beverage Containers		0.0%
Alum Deposit Beverage Containers Ferrous Food	ł	0.1%
Other Ferrous Scrap		0.8% 3.3%
Other Non-Ferrous Scrap		0.6%
GLASS	3.1%	
Clear Green	1	0.7%
Green Blue	1	0.0% 0.0%
Brown		0.0%
Deposit Glass Containers Other/ Mixed Cullet		0.1%
		2.3%
HHM Automotive Products	0.4%	0.00/
Paints and Solvents	İ	0.2% 0.1%
Pesticides, Herbicides & Fungicides	j	0.0%
Household Cleaners Batteries (lead -acid)		0.0% 0.0%
Batteries (other)		0.0%
Other (HHM containers w/prod inside)		0.0%
Light Bulbs	İ	0.0%
YARD WASTE Yard Waste	0.5%	0.5%
Pumpkins		0.0%
FOOD WASTE	4.9%	
Food Waste	4.376	4.9%
WOOD	6.4%	
Non-Treated Wood		3.6%
Treated Wood		2.8%
DURABLES	3.5%	
All Electrical and Household Appl.	l	1.2%
Other Durables		2.3%
TEXTILES Textiles and Leather	3.4%	3.4%
	1	3.470
DIAPERS Diapers	1.4%	1.4%
· ·		1.470
RUBBER Rubber	0.4%	0.4%
		0.476
OTHER ORGANIC	0.7%	
Other Organic		0.7%
OTHER INORGANIC	1.6%	
Other Inorganic		1.6%
FINES/SUPERMIX	3.4%	
Fines/ Supermix	1	3.4%
OTHER	1.6%	
Other	1	1.6%
CONSTRUCTION & DEMOLITION	22.8%	
C&D		22.8%
SPECIAL WASTES	2.8%	
Special Wastes	<u> </u>	2.8%
TOTAL PERCENT	100.0%	

APPENDIX C 1997 FALL RESULTS

DES MOINES COUNTY MSW Composition Residential - Fall 1997

 Sample Size =
 17
 loads

 Total Wt Sorted =
 3,898
 pounds

 Avg Wt per Sample =
 229
 pounds

	otal Wt Sorted = Avg Wt per Sample =	3,898 229	pounds pounds
WASTE CATEGORIES	1	1 90% Cor	
Material		Interva	
	Mean Percentage	Lower	Upper
PAPER	28.7%	22.0%	35,8%
Newspaper Magazines	4.59 2.89		6.9% 4.3%
High Grade/ Office	1.29		2.1%
OCC and Kraft Bags	3.19		4.9%
Mixed Recyc Paper	7.09		9.7%
Other Non-Recyc Paper	10.19	8.0%	12.4%
PLASTIC	9.7%	7.1%	12.6%
#1 PET Containers	0.39		0.5%
#1 PET Deposit #2 HDPE Containers	0.29		0.4%
All Other Numbered Containers	1.09		1.5% 1.1%
Other Plastic Not Numbered	4.19		5.8%
Film/Wrap/Bags	3.59		5.0%
METAL	7.6%	5.2%	10.5%
Alum Non-Deposit Beverage Containers	0.19		0.2%
Alum Deposit Beverage Containers	0.29		0.3%
Ferrous Food	1.49		2.1%
Other Ferrous Scrap	5.09		8.7%
Other Non-Ferrous Scrap	1.09	0.5%	1.7%
GLASS	2.3%	1.4%	3.5%
Clear Green	1.79		2.5%
Blue	0.09		0.1% 0.0%
Brown	0.29		0.4%
Deposit Glass Containers	0.4%	6 0.1%	0.8%
Other/ Mixed Cullet	0.19	0.0%	0.2%
ннм	0.8%	0.5%	1.2%
Automotive Products	0.4%	0.1%	0.7%
Paints and Solvents	0.0%		0.0%
Pesticides, Herbicides & Fungicides	0.0%		0.1%
Household Cleaners Batteries (lead -acid)	0.1%		0.2% 0.0%
Batteries (other)	0.07		0.0%
Other (HHM containers w/prod inside)	0.1%		0.2%
YARD WASTE	1.7%	0.6%	3.3%
Yard Waste	1.7%		3.3%
Pumpkins	0.0%	0.0%	0.0%
FOOD WASTE	11.1%	7.5%	15.3%
Food Waste	11.1%		15.3%
WOOD	7.9%	3.5%	13.8%
Non-Treated Wood	1.7%		3.2%
Treated Wood	6.2%		11.7%
DINANI EO			
DURABLES All Electrical and Household Appl.	3.0% 1.6%	1.1%	5.5%
Other Durables	1.4%		2.9% 3.3%
TEXTILES	1		
Textiles and Leather	7.6%	5.0% 5.0%	10.7% 10.7 %
	1	1	
DIAPERS	4.5%	2.7%	6.7%
Diapers	4.5%	2.7%	6.7%
RUBBER	0.1%	0.0%	0.2%
Rubber	0.1%	0.0%	0.2%
OTHER ORGANIC	0.44	0.00/	2 201
	2.1%	0.9%	3.8%
Other Organic	2.1%	0.9%	3.8%
OTHER INORGANIC	0.8%	0.2%	1.6%
Other Inorganic	0.8%	i .	1.6%
FINES/SUPERMIX	7.1%	4.5%	10.1%
Fines/ Supermix	7.1%		10.1%
,	i		
OTHER Other	0.2%	0.0%	0.5%
	0.2%	0.0%	0.5%
CONSTRUCTION & DEMOLITION	4.9%	1.6%	9.9%
C&D	4.9%	1.6%	9.9%

MSM	OINES COUNTY Composition			
Commo	Sample Size = Total Wt Sorted	1=	23 5.337	loads pounds
	Avg Wt per Sai		232	pounds
WASTE CATEGORIES		T	90% Cont	
Material	Mean Perce	entage	Interval Lower	(%) Upper
PAPER	26.8%	1	17.3%	37.5%
Newspaper Magazines		0.9%	0.4%	1.5%
Mayazii les High Grade/ Office		1.2% 2.4%	0.5% 1.1%	2.2% 4.2%
OCC and Kraft Bags		8.3%	4.9%	12.4%
Mixed Recyc Paper]	2.8%	1.5%	4.6%
Other Non-Recyc Paper		11.3%	5.8%	18.3%
PLASTIC #1 DET Containers	12.0%		6.7%	18.7%
#1 PET Containers #1 PET Deposit		0.2% 0.1%	0.1% 0.0%	0.4% 0.1%
#2 HDPE Containers		0.6%	0.3%	1.0%
All Other Numbered Containers		0.2%	0.1%	0.4%
Other Plastic Not Numbered Film/Wrap/Bags		8.4%	4.1%	13.9%
METAL .		2.6%	1.4%	4.3%
Alum Non-Deposit Beverage Containers	3.6%	0.1%	2.2% 0.0%	5.4% 0.2%
Alum Deposit Beverage Containers	1	0.1%	0.0%	0.2%
Ferrous Food		0.6%	0.3%	1.0%
Other Ferrous Scrap		2.5%	1.2%	4.3%
Other Non-Ferrous Scrap	1	0.3%	0.1%	0.6%
GLASS Clear	4.4%		1.5%	8.7%
Green	1	0.4% 0.0%	0.2% 0.0%	0.8% 0.0%
Blue		0.0%	0.0%	0.0%
Brown		0.2%	0.1%	0.4%
Deposit Glass Containers Other/ Mixed Cullet		0.1% 3.7%	0.0% 1.0%	0.1%
		3.770		7.9%
HHM Automotive Developts	0.7%		0.2%	1.3%
Automotive Products Paints and Solvents		0.0% 0.5%	0.0% 0.1%	0.1% 1.0%
Pesticides, Herbicides & Fungicides		0.1%	0.1%	0.2%
Household Cleaners		0.0%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other) Other (HHM containers w/prod inside)		0.0%	0.0% 0.0%	0.0% 0.0%
YARD WASTE	0.8%	0.070	0.2%	
Yard Waste	0.0%	0.8%	0.2%	1.5% 1.5%
Pumpkins		0.0%	0.0%	0.0%
FOOD WASTE	8.7%		3.9%	15.1%
Food Waste	J	8.7%	3.9%	15.1%
WOOD	14.7%	1	7.7%	23.6%
Non-Treated Wood	1	7.4%	3.2%	13.1%
Treated Wood		7.3%	2.8%	13.7%
DURABLES	1.6%		0.5%	3.4%
All Electrical and Household Appl.		0.0%	0.0%	0.1%
Other Durables		1.6%	0.4%	3.4%
TEXTILES	1.6%	i	0.7%	2.8%
Textiles and Leather	i	1.6%	0.7%	2.8%
DIAPERS	0.4%	1	0.1%	0.9%
Diapers		0.4%	0.1%	0.9%
RUBBER	1.4%		0.6%	2.6%
Rubber	ļ	1.4%	0.6%	2.6%
OTHER ORGANIC	3.2%	1	1.0%	6.6%
Other Organic	3.2%	3.2%	1.0%	6.6%
•				
OTHER INORGANIC	6.5%		1.4%	15.0%
Other Inorganic		6.5%	1.4%	15.0%
FINES/SUPERMIX	2.1%		1.0%	3.5%
Fines/ Supermix	1	2.1%	1.0%	3.5%
OTHER	0.3%		0.1%	0.6%
Other	I	0.3%	0.1%	0.6%
CONSTRUCTION & DEMOLITION	11.4%		3.5%	23.0%
C&D	1	11.4%	3.5%	23.0%
TOTAL PERCENT	100.0%			

DES MOINES COUNTY MSW Composition Mixed - Fall 1997

	mixeu -	raii 133/			
	Sample	Size =	4	loads	
1		/t Sorted =	953	pounds	
		per Sample	238	pounds	
Wiley-rolly-ropole-	9	72. 23mpio	200		
WASTE CATEGORIES				90% Cor	
Material				Interva	
		Mean Perc	entage	Lower	Upper
PAPER		50.9%	T	28.1%	73.5%
Newspaper	- 1		2.2%	1.6%	3.0%
Magazines	1		2.5%	0.3%	6.7%
High Grade/ Office	-		7.1%	0.4%	20.7%
OCC and Kraft Bags	ı		8.9%	2.5%	18.9%
Mixed Recyc Paper	ł		7.5%	2.0%	16.2%
Other Non-Recyc Paper	ľ		22.6%	8.3%	41.4%
PLASTIC		40 504	l		
	1	10.7%	- 1	6.9%	15.1%
#1 PET Containers	I		0.2%	0.0%	0.6%
#1 PET Deposit	- 1		0.1%	0.0%	0.1%
#2 HDPE Containers	- 1		0.7%	0.1%	1.7%
All Other Numbered Containers	i		0.4%	0.0%	1.1%
Other Plastic Not Numbered	i		6.6%	3.3%	10.9%
Film/Wrap/Bags			2.8%	2.0%	3.8%
METAL		0.70			
11 17		8.7%	المداه	0.6%	24.6%
Alum Non-Deposit Beverage Containers	•		0.1%	0.0%	0.5%
Alum Deposit Beverage Containers	1		0.1%	0.0%	0.2%
Ferrous Food	1		1.4%	0.2%	3.9%
Other Ferrous Scrap			6.3%	0.0%	24.2%
Other Non-Ferrous Scrap	l		0.8%	0.0%	3.4%
GLASS	- 1				
		1.1%	[0.0%	3.5%
Clear	l		0.6%	0.0%	1.7%
Green	l		0.3%	0.0%	1.4%
Blue	1		0.0%	0.0%	0.0%
Brown	1		0.3%	0.0%	1.0%
Deposit Glass Containers			0.0%	0.0%	0.0%
Other/ Mixed Cullet	J		0.0%	0.0%	0.2%
ннм	- 1				
		1.2%		0.0%	4.5%
Automotive Products	1		0.3%	0.0%	1.0%
Paints and Solvents	1		0.8%	0.0%	4.1%
Pesticides, Herbicides & Fungicides	- 1		0.0%	0.0%	0.1%
Household Cleaners	- 1		0.0%	0.0%	0.1%
Batteries (lead -acid)			0.0%	0.0%	0.0%
Batteries (other)			0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)			0.2%	0.0%	0.9%
			0.270		
YARD WASTE	i	0.1%	i	0.0%	0.4%
Yard Waste	- 1		0.1%	0.0%	0.4%
Pumpkins	1		0.0%	0.0%	0.0%
T000 1111 0TT	ŀ		- 1		
FOOD WASTE	- 1	4.8%	1	2.3%	8.1%
Food Waste			4.8%	2.3%	8.1%
WOOD	- 1	0.7%	- 1	0.0%	2.4%
Non-Treated Wood	- 1	0.1 76	0.4%	0.0%	1.6%
Treated Wood	- 1		0.4%		
Heated VVOod	1		0.476	0.0%	2.0%
DURABLES		3.4%	- 1	0.00/	40.00/
All Electrical and Household Appl.	- 1	3.4%	0.00	0.0%	18.3%
Other Durables	- 1		0.0%	0.0%	0.0%
			3.4%	0.0%	18.3%
TEXTILES		0.9%]	0.2%	1.9%
Textiles and Leather		0.070	0.9%	0.2%	1.9%
			0.070	0.270	1.570
DIAPERS	ł	5.1%	1	0.0%	20.5%
Diapers			5.1%	0.0%	20.5%
241222					
RUBBER		0.0%	1	0.0%	0.2%
Rubber	1		0.0%	0.0%	0.2%
	1				
OTHER ORGANIC	- 1	0.1%		0.0%	0.8%
Other Organic			0.1%	0.0%	0.8%
<u> </u>	- 1			0.07	0.0 %
OTHER INORGANIC	- 1	0.1%	1	0.0%	0.5%
Other Inorganic			0.1%	0.0%	0.5%
•	- 1		U. 170	0.076	0.5%
FINES/SUPERMIX	- 1	5.2%	1	0.2%	15.7%
Fines/ Supermix			5.2%	0.2%	15.7%
INFECTION IN THE COLUMN	ſ		1		
INFECTIOUS WASTE	- 1	0.2%	l l	0.0%	1.3%
Infectious Waste	1		0.2%	0.0%	1.3%
COMETRICATION & RESIDENCE	I		ł		
CONSTRUCTION & DEMOLITION	J	6.9%	i	0.0%	32.8%
C&D	1		6.9%	0.0%	32.8%
TOTAL PERCENT		100.0%			

DES MOINES COUNTY MSW Composition Combined - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week :

44 loads 10,189 pounds 232 pounds 791 tons/week

MASTEC AT ESCRIES Mean Percentage Mean Percentage		Wt per Sample = Tons Disposed/W		232 791	pounds tons/week		
Mean Percentage		Dioposed/VI					
PAPER							
		Mean Pero	entage				
Magazines 19% 13% 22% 15%		29.7%					
High Grade/ Office							
OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper Other Non-Recyc Paper 11.8% 85, 15.6% 94 PET Containers 11.0% 81 PET Containers O.7% 10.5% 11.1% 81.5% 82.1% 10.1% 10.1% 11.0% 82.1% 10.1%		i					
Mexel Recyc Paper		1					
Diter Non-Recyc Paper							
### PLASTIC ### 1 PET Containers ### 1 PET Containers ### 1 PET Containers ### 1 PET Deposit ### 2 PLOPE Containers		1					
# I PET Containers # I PET Deposit # I PET Dep	PLASTIC	44.00			J		3
# I PET Deposit # 2 PDP Containers # 2 PDP Containe		11.0%	ایمو			87	_
## Process of the pro							2
All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags 3,0% 2,1% 4,0% 2,4 4,0% 3,2 4,4 4,0% 3,2 4,4 4,0% 3,2 4,4 4,0% 3,2 4,4 4,0% 3,2 4,4 4,0% 3,3 4,4 4,0% 3,3 5,6 6,8 6,8 4,4,8 9,1% 4,1 4,0% 3,4 4,1 4,1 4,1 4,1 4,1 4,1 4,1 4,1 4,1 4		ŀ					1
Other Plastic Not Numbered 6.6% 4.4% 9.1% 22	All Other Numbered Containers	1					
### ### ### ### ### ### ### ### ### ##		ļ					
Alum Non-Depost Beverage Containers Alum Depost Beverage Containers Alum Depost Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Other Non-Ferrous Scrap Other Non-Ferrous	Film/Wrap/Bags		3.0%	2.1%			
Alum Non-Depost Beverage Containers Alum Depost Beverage Containers Alum Depost Beverage Containers Ferrous Ford Other Fordus Scrap Other Non-Ferrous Non-Ferrous	METAL	5.6%		4.2%	7.3%	44	
Alum Deposit Beverage Containers Ferrous Force of Context Ferrous Product of Cher Ferrous Scrap Other Non-Ferrous Non-Ferrous Scrap Other Non-Ferrous	Alum Non-Deposit Beverage Containers		0.1%				1
Feffous Food 1.0% 0.7% 1.4% 5.5% 3.0	Alum Deposit Beverage Containers		0.1%	0.1%			
Other Non-Ferrous Scrap Other Non-Ferrous Non-Ferrous Scrap Other Non-Ferrous Non-Ferrous Scrap Other Non-Ferrous			1.0%				
Clear Clea					5.5%		30
Clear 0.9% 0.0% 1.3% 3.1% 2.5%	· · · · · · · ·	1	0.6%	0.4%	0.9%		
Clear 0.9% 0.6% 1.3% 7.0% 0.6% 1.3% 7.0% 0.6% 0.0%	GLASS	3.3%	l	1.9%	5.1%	26	
Brown Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Composit Glass Containers Composit Glass Composit Glas			0.9%				7
Brown Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Containers Composit Glass Composit Glass Containers Composit Glass Composit Glas				0.0%			Ó
Other/ Mixed Cullet Automotive Products							0
Other/ Mixed Cullet Automotive Products							2
Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Pesticides, Herbicides & Pungicides Pesticides, Herbicides Pungicides Pesticides, Herbicides Pesticides, Herbicide							
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Cother (HHM containers w/prod inside) ARRO WASTE Yard Waste Pumpkins COOD WASTE Food Waste Non-Treated Wood Treate			2.0%	0.9%	3.5%		16
Paints and Solvents Pesticides, Herbicides & Fungicides Pesticides, Herbicides & Fungicides Pesticides, Herbicides & Fungicides Posteriol & Posteriol		0.8%		0.5%	1.2%	6	
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cher) Other (HM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins CODD WASTE Food Waste Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood All Electrical and Household Appl. Other Durables Textiles and Leather Textiles and Leather Diapers Dia				0.1%	0.3%		1
Household Learners 0.1% 0.0% 0.1% 0.0%		1					3
Batteries (lead -acid) Batteries (char) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) Other Maste Yard Waste Yard Waste Yard Waste Pumpkins Ouv. Ouv. Ouv. Ouv. Ouv. Ouv. Ouv. Ouv.							1
Batteries (other) Other (HHM containers w/prod inside (I 12,8%							1
Other (HHM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins O.0% O.							9
1.0% 1.0% 0.5% 1.7% 8 1.0% 1.0% 0.5% 1.7% 8 1.0% 0.0%							
Yard Waste Pumpkins 1.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	•	1	0.1%		1		ď
Pumpkins		1.0%	4 001			8	
FOOD WASTE Food Waste 9.2% 6.2% 12.8% 73 78 86 800D Non-Treated Wood Treated Wood Treated Wood 10.8% All Electrical and Household Appl. Other Durables 1.7% 0.8% 1.2% 1.2% 3.7% 36 50 DURABLES All Electrical and Household Appl. Other Durables 1.7% 0.8% 2.5% 5.4% 30 Textiles and Leather 3.8% 2.5% 5.4% 30 Textiles and Leather 3.8% 2.5% 5.4% 30 Textiles and Leather 3.8% 2.5% 5.4% 30 Textiles and Leather 3.8% 0.8% 0.8% 0.4% 1.5% 3.6% 19 SUBBER Rubber 0.8% 0.4% 1.3% 6 THER RORGANIC Other Organic 3.7% 0.8% 0.4% 1.3% 4.1% 20 OTHER INORGANIC Other Inorganic 0.5% 0.5% 0.5% 0.4% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.6% 0.6% 0.6% 0.7% 0.8% 0.8% 0.4% 0.8% 0.4% 0.8% 0.4% 0.8% 0.4% 0.8% 0.4% 0.8% 0.4% 0.8% 0.4% 0.8% 0.8% 0.4% 0.8% 0.8% 0.8% 0.8% 0.8% 0.8% 0.8% 0.8		i					
Food Waste 9.2% 6.2% 12.8% 73	•		0.0%	0.0%	0.0%		o
NOOD Non-Treated Wood 10.8% 4.5% 2.5% 7.1% 36 36 3.5% 9.8% 50 50 50 50 50 50 50 5		9.2%	I	6.2%	12.8%	73	
Non-Treated Wood 1.5% 2.5% 7.1% 36 50	Food Waste		9.2%	6.2%	12.8%		73
Non-Treated Wood To Sale Treated Wood Treated Wood To Sale Treated Wood Treated Wood To Sale Treated Wood Treated Wood To Sale Treated Wood Treated Wood To Sale Treated Woo	MOOD	10.8%		6.8%	15.6%	86	
Treated Wood		1	4.5%			-	36
All Electrical and Household Appl. Other Durables 1.7% 0.6% 0.3% 1.0% 0.8% 2.9% 13 TEXTILES Textiles and Leather 3.8% 2.5% 5.4% 30 NAPERS Diapers 2.4% 1.5% 3.6% 19 19 10 10 10 10 10 10 10 10	Treated Wood	1	6.3%	3.5%	9.8%		
All Electrical and Household Appl. Other Durables 1.7% 0.6% 0.3% 1.0% 0.8% 2.9% 13 TEXTILES Textiles and Leather 3.8% 2.5% 5.4% 30 NAPERS Diapers 2.4% 1.5% 3.6% 19 19 10 10 10 10 10 10 10 10	NIBADI EC	1	1		l		
Other Durables 1.7% 0.8% 2.9% 13 EXTILES Textiles and Leather 3.8% 2.5% 5.4% 30 NAPERS Diapers 2.4% 1.5% 3.6% 19 10 10 10 10 10 10 10 10 10		2.3%				18	
STILES 3.8% 2.5% 5.4% 30 30 3.8% 2.5% 5.4% 30 30 3.8% 2.5% 5.4% 30 30 3.8% 3.8% 2.5% 5.4% 30 30 3.8% 3.8% 2.5% 5.4% 30 30 3.8%	Other Durables	ļ					
Textiles and Leather 3.8% 2.5% 5.4% 30 NAPERS Diapers 2.4% 1.5% 3.6% 19 NUBBER Rubber 0.8% 0.4% 1.3% 6 OTHER ORGANIC Other Organic 2.5% 1.3% 4.1% 20 OTHER INORGANIC 3.7% 1.4% 7.0% 29 OTHER INORGANIC 3.7% 1.4% 7.0% 29 OTHER INORGANIC 3.7% 1.4% 7.0% 29 INES/SUPERMIX 4.3% 2.9% 5.9% 34 Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE 0.2% 0.1% 0.4% 2 Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67		1	1.7%	0.8%	2.9%		13
NAPERS 2.4% 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 1.5% 3.6% 19 19 19 1.5% 1.3% 1.3% 1.3% 6 19 1.3% 1.3		3.8%	Į.			30	
Diapers 2.4% 1.5% 3.6% 19 RUBBER 0.8% 0.4% 1.3% 6 Rubber 0.8% 0.4% 1.3% 6 OTHER ORGANIC 0.5% 1.3% 4.1% 20 OTHER INORGANIC 0.5% 1.3% 4.1% 20 OTHER INORGANIC 0.7% 1.4% 7.0% 29 OTHER INORGANIC 0.7% 0.4% 7.0% 29 OTHER INORGANIC 0.7% 0.7% 0.4% 2 OTHER INORGANIC 0.2% 0.1% 0.4% 2 OTHER INORGANIC 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 ONSTRUCTION &	rextiles and Leatner	İ	3.8%	2.5%	5.4%		30
Diapers	DIAPERS	2.4%	- 1	1.5%	3.6%	19	1
Rubber 0.8% 0.4% 1.3% 6 OTHER ORGANIC 2.5% 1.3% 4.1% 20 Other Organic 2.5% 1.3% 4.1% 20 OTHER INORGANIC 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 2.9% 5.9% 34 Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE 0.2% 0.1% 0.4% 2 Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 ONSTRUCTION & PROPERTY 9.2% 9.2% 9.2% 9.2%	Diapers		2.4%			••	19
Rubber 0.8% 0.4% 1.3% 6 OTHER ORGANIC 2.5% 1.3% 4.1% 20 Other Organic 2.5% 1.3% 4.1% 20 OTHER INORGANIC 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 2.9% 5.9% 34 Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE 0.2% 0.1% 0.4% 2 Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 ONSTRUCTION & PROPERTY 9.2% 9.2% 9.2% 9.2%	NIRRER	0.00	1	0.404		_	
Description Color		0.0%	0.00			6	
Other Organic 2.5% 1.3% 4.1% 20 OTHER INORGANIC Other Inorganic 3.7% 1.4% 7.0% 29 INES/SUPERMIX Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION C&D 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67	Nubbei		0.8%	0.4%	1.3%		6
Other Organic 2.5% 1.3% 4.1% 20 OTHER INORGANIC 3.7% 1.4% 7.0% 29 Other Inorganic 3.7% 1.4% 7.0% 29 INES/SUPERMIX 2.9% 5.9% 34 Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE 0.2% 0.1% 0.4% 2 Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67	OTHER ORGANIC	2.5%		1.3%	4.1%	20	
THER INORGANIC 3.7% 1.4% 7.0% 29	Other Organic		2.5%				20
Other Inorganic 3.7% 1.4% 7.0% 29 INES/SUPERMIX 4.3% 2.9% 5.9% 34 Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION C&D 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67		1			7.17		- 20
INES/SUPERMIX		3.7%	1	1.4%	7.0%	29	
Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION C&D 8.5% 4.2% 14.1% 67 67	Other Inorganic		3.7%	1.4%	7.0%		29
Fines/ Supermix 4.3% 2.9% 5.9% 34 IFECTIOUS WASTE 0.2% 0.1% 0.4% 2 Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67	INES/SUPERMIX	4.3%	İ	2.9%	5 9%	3.4	
IFECTIOUS WASTE		1	4.3%			34	34
Infectious Waste 0.2% 0.1% 0.4% 2 ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67	NEECTIONS WASTE						~]
ONSTRUCTION & DEMOLITION 8.5% 4.2% 14.1% 67 C&D 8.5% 4.2% 14.1% 67		0.2%	ایر			2	
C&D 8.5% 4.2% 14.1% 67		1	0.2%	U.1%	0.4%		2
C&D 8.5% 4.2% 14.1% 67	ONSTRUCTION & DEMOLITION	8.5%	i	4.2%	14.1%	67	1
	C&D	1	8.5%				67
	TOTAL PERCENT	100.0%					

DES MOINES COUNTY Solid Waste Composition Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

44 loads 10,189 pounds 232 pounds 1,080 tons/week

Est Tons Disposed	Week =	1,080	tons/week	
WASTE CATEGORIES			Estimate	
Material	Mean Pero	entane	Tons pe Materia	
PAPER	21.9%	critage	235	
Newspaper	1	1.8%		19
Magazines	1	1.4%		15
High Grade/ Office OCC and Kraft Bags		1.8%		19
Mixed Recyc Paper		4.6% 3.6%		50 39
Other Non-Recyc Paper		8.7%		94
PLASTIC		0.7 ~		34
1	8.1%		87	_
#1 PET Containers #1 PET Deposit		0.2% 0.1%		2
#2 HDPE Containers	1	0.1%		6
All Other Numbered Containers		0.3%		3
Other Plastic Not Numbered	j	4.8%		52
Film/Wrap/Bags		2.2%		24
METAL	4.2%	- 1	44	
Alum Non-Deposit Beverage Containers		0.1%		1
. Alum Deposit Beverage Containers Ferrous Food		0.1%		1
		0.7%		8
Other Ferrous Scrap Other Non-Ferrous Scrap	1	2.8%		30
·	İ	0.5%		5
GLASS	2.4%		26	
Clear Green	1	0.6%		7
Blue		0.0% 0.0%		0
Brown	1	0.0%		2
Deposit Glass Containers		0.1%		1
Other/ Mixed Cullet	į	1.5%		16
ннм	0.6%		6	
Automotive Products	0.0%	0.1%	•	1
Paints and Solvents		0.3%		
Pesticides, Herbicides & Fungicides		0.1%		3 1
Household Cleaners		0.1%		1
Batteries (lead -acid)		0.0%		0
Batteries (other)		0.0%		0
Other (HHM containers w/prod inside)		0.0%		0
YARD WASTE	0.7%		8	
Yard Waste		0.7%		8
Pumpkins		0.0%		. 0
FOOD WASTE	6.8%	- 1	73	
Food Waste	1	6.8%		73
WOOD	8.0%	1	86	
Non-Treated Wood	"""	3.3%	-	36
Treated Wood	1	4.6%		50
DUDARI PO				
DURABLES All Electrical and Household Appl.	1.7%	0.5%	18	_
Other Durables	1	1.2%		5 13
		1.27		13
TEXTILES	2.8%		30	
Textiles and Leather		2.8%		30
DIAPERS	1.8%		19	
Diapers	1	1.8%		19
RUBBER	0.6%	- 1	•	
Rubber	0.070	0.6%	•	6
1100001		0.070		ĭ
OTHER ORGANIC	1.9%		20	
Other Organic		1.9%		20
		ł		
OTHER INORGANIC	2.7%	i i	29	
Other Inorganic	1	2.7%		29
FINES/SUPERMIX	3.1%		34	
Fines/ Supermix	`{	3.1%		34
INFECTIOUS WASTE	0.2%		2	
Infectious Waste	0.276	0.2%	2	2
	ł	0.27		٤
CONSTRUCTION & DEMOLITION	30.6%	- 1	331	
C&D		30.6%		331
CRECIAL MACETO		1		
SPECIAL WASTES Special Wester	2.3%	ایی	25	
Special Wastes	1	2.3%		25
TOTAL PERCENT	100.0%		· · · · · · · · · · · · · · · · · · ·	
	برجية فنبد			

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Residential - Fall 1997

 Sample Size =
 4
 loads

 Total Wt Sorted =
 971
 pounds

 Avg Wt per Sample =
 243
 pounds

•	Total Wt Sorted = Avg Wt per Sample =		971 243	pounds pounds	
WASTE CATEGORIES Material				90% Confi	(%)
		Mean Perc	entage	Lower 13.8%	Upper 34.9%
PAPER Newspaper		23.6%	3.8%	0.8%	34.3% 8.9%
Magazines	1		1.9%	0.1%	5.5%
High Grade/ Office			0.8%	0.2%	1.8%
OCC and Kraft Bags			2.6%	1.7%	3.7%
Mixed Recyc Paper Other Non-Recyc Paper			5.8% 8.6%	2.7% 5.4%	10.0% 12.5%
·			0.076		
PLASTIC		12.2%	0.4%	8.7% 0.1%	16.2% 0.9%
#1 PET Containers #1 PET Deposit			0.4%	0.0%	0.9%
#2 HDPE Containers			1.9%	0.6%	3.8%
All Other Numbered Conta	iners		0.3%	0.1%	0.6%
Other Plastic Not Numbere	d		5.7%	3.0%	9.2%
Film/Wrap/Bags			3.9%	2.0%	6.3%
METAL	į	7.7%		2.3%	16.0%
Alum Non-Deposit Beverage			0.0%	0.0%	0.1%
Alum Deposit Beverage Cor	ntainers		0.1%	0.0%	0.4%
Ferrous Food	1		3.0% 2.7%	0.8% 0.4%	6.7% 7.3%
Other Ferrous Scrap Other Non-Ferrous Scrap			1.8%	0.4%	7.3% 4.9%
•			1.0%		
GLASS		2.7%	4.50/	1.7% 0.7%	3.8% 2.7%
Clear Green			1.5% 0.0%	0.7%	0.0%
Blue	1		0.0%	0.0%	0.0%
Brown			0.6%	0.0%	1.9%
Deposit Glass Containers			0.0%	0.0%	0.0%
Other/ Mixed Cullet			0.6%	0.1%	1.4%
ннм	İ	1.2%	1	0.6%	2.1%
Automotive Products	i		0.2%	0.0%	0.9%
Paints and Solvents			0.2%	0.0%	0.6%
Pesticides, Herbicides & Fu	ngicides		0.0%	0.0%	0.0%
Household Cleaners			0.0%	0.0%	0.1%
Batteries (lead -acid) Batteries (other)			0.0% 0.1%	0.0 % 0.0 %	0.0% 0.2%
Other (HHM containers w/pi	rod inside)		0.1%	0.1%	2.3%
YARD WASTE	,	0.1%		0.0%	0.4%
Yard Waste		0.176	0.1%	0.0%	0.4%
Pumpkins			0.0%	0.0%	0.0%
FOOD WASTE		15.6%		10.2%	22.0%
Food Waste		13.6%	15.6%	10.2%	22.0%
	ļ	0.70/	10.077	0.0%	
WOOD Non-Treated Wood		0.7%	0.6%	0.0%	2.3% 2.5%
Treated Wood			0.1%	0.0%	0.4%
	İ				
DURABLES		0.9%	ایم	0.0%	4.1%
All Electrical and Househole Other Durables	d Appl.		0.9% 0.0%	0.0 % 0.0 %	4.1% 0.0%
	Ī		0.076		
TEXTILES		5.1%		2.3%	9.0%
Textiles and Leather	1		5.1%	2.3%	9.0%
DIAPERS		6.3%		2.1%	12.4%
Diapers	1		6.3%	2.1%	12.4%
RUBBER	i	0.6%		0.0%	1.9%
Rubber	Ì		0.6%	0.0%	1.9%
	İ				40.00
OTHER ORGANIC		6.0%		1.3%	13.7%
Other Organic	İ		6.0%	1.3%	13.7%
OTHER INORGANIC		0.8%		0.0%	3.3%
Other Inorganic			0.8%	0.0%	3.3%
FINES/SUPERMIX	İ	10.8%		6.2%	16.4%
Fines/ Supermix	j	10.070	10.8%	6.2%	16.4%
'					
INFECTIOUS WASTE	1	0.0%	0.00/	0.0%	0.1% 0.1%
Infectious Waste	1		0.0%	0.0%	U. 176
CONSTRUCTION & DEMOLITIC	N I	5.7%		0.1%	18.7%
C&D			5.7%	0.1%	18.7%
TOTAL PERCENT		100.0%			
TO TAL PERCENT		.00.070		****	

FLOYD-MITCHELL SOLID WASTE AGENCY
MSW Composition
Commercial - Eall 1997

Sample Size =

27

loads

Total	Wt Sorted =		6,653	pounds		
	Vt per Sample ≃		246	pounds		
WASTE CATEGORIES	T		T	90% Confidence		
Material	1	Mean Pero	entane	Interval Lower		
PAPER		42.8%	ciliage	34.7%	Upper 51.2%	
Newspaper	ļ		1.4%	0.7%	2.2%	
Magazines	-		0.9%	0.5%	1.5%	
High Grade/ Office OCC and Kraft Bags			1.0% 18.9%	0.5%	1.8%	
Mixed Recyc Paper			3.7%	12.9% 2.1%	25.7% 5.8%	
Other Non-Recyc Paper			16.9%	10.5%	24.4%	
PLASTIC		8.4%		5.1%	12.4%	
#1 PET Containers]		0.1%	0.0%	0.1%	
#1 PET Deposit	1		0.1%	0.0%	0.1%	
#2 HDPE Containers All Other Numbered Containers			0.3%	0.2%	0.5%	
Other Plastic Not Numbered			0.5% 3.2%	0.2% 1.8%	0.9% 4.9%	
Film/Wrap/Bags	ĺ		4.3%	2.5%	6.5%	
METAL		12.1%	İ	7.7%	17.4%	
Alum Non-Deposit Beverage Cor			0.0%	0.0%	0.0%	
Alum Deposit Beverage Contains	ers		0.1%	0.0%	0.1%	
Ferrous Food			9.2%	5.0%	14.5%	
Other Ferrous Scrap Other Non-Ferrous Scrap	İ		1.3% 1.6%	0.6% 0.7%	2.1% 2.9%	
•	l	4	1.076			
GLASS Clear	}	1.5%	0.7%	0.7% 0.3%	2.6% 1.3%	
Green	ļ		0.7%	0.3%	0.0%	
Blue			0.0%	0.0%	0.0%	
Brown Denosit Glass Containers			0.5%	0.2%	0.9%	
Deposit Glass Containers Other/ Mixed Cullet			0.1% 0.3%	0.0% 0.1%	0.1% 0.5%	
	Į.	4	5.576			
HHM Automotive Products		1.0%		0.4%	1.6%	
Paints and Solvents	ŀ		0.2% 0.4%	0.1% 0.1%	0.4% 0.7%	
Pesticides, Herbicides & Fungicio	des		0.0%	0.0%	0.7%	
Household Cleaners]		0.1%	0.0%	0.1%	
Batteries (lead -acid)	ļ		0.0%	0.0%	0.0%	
Batteries (other) Other (HHM containers w/prod in	side)		0.1% 0.1%	0.0% 0.0%	0.1% 0.2%	
YARD WASTE		0.4%	5.17			
Yard Waste	j	U.4%	0.4%	0.1% 0.1%	0.7% 0.7 %	
Pumpkins	J		0.0%	0.0%	0.7%	
FOOD WASTE		46 99/				
Food Waste	1	16.2%	16.2%	11.0% 11.0%	22.1% 22.1%	
WOOD		2 40/				
Non-Treated Wood		2.1%	1.0%	0.9% 0.4%	3.8% 1.8%	
Treated Wood			1.1%	0.5%	2.0%	
DURABLES		0 501				
All Electrical and Household App	,	0.5%	0.5%	0.2% 0.2%	0.9% 0.8%	
Other Durables			0.3%	0.2%	0.6%	
TEXTILES	1	2.2%		1.0%	3.9%	
Textiles and Leather	1	£.£ 70	2.2%	1.0%	3.9% 3.9%	
DIAPERS	1	1.8%				
Diapers		1.6%	1.8%	0.8% 0.8%	3.1% 3.1%	
RUBBER	1	0.407				
Rubber	1	0.4%	0.48	0.2%	0.8%	
Auboei	1		0.4%	0.2%	0.8%	
OTHER ORGANIC	1	1.5%		0.7%	2.6%	
Other Organic	1		1.5%	0.7%	2.6%	
OTHER INORGANIC	ŀ	0.7%	-	0.3%	1.2%	
Other Inorganic		U.1 76	0.7%	0.3%	1.2% 1.2%	
-	- 1	F 65'	5.776			
FINES/SUPERMIX Fines/ Supermix	1	5.0%	5.0%	2.8%	7.8%	
•	. [5.0%	2.8%	7.8%	
INFECTIOUS WASTE		0.1%		0.0%	0.2%	
Infectious Waste	Į		0.1%	0.0%	0.2%	
CONSTRUCTION & DEMOLITION	1	3.4%	- 1	1.3%	6.3%	
C&D	I		3.4%	1.3%	6.3%	
TOTAL PERCENT		100.0%				

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Mixed - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample

16 loads 3,886 pounds 243 pounds

Total Wt Sorted = Avg Wt per Sample	=	3,886 243	pounds pounds	
WASTE CATEGORIES	T			dence
Material Material		1	90% Confidence of the confiden	
PAPER	Mean Perce	entage	Lower	Upper
Newspaper	29.6%	2.5%	25.5% 1.6%	33.8% 3.6%
Magazines	1	3.2%	2.1%	4.4%
High Grade/ Office	l	2.0%	1.1%	3.2%
OCC and Kraft Bags		5.0%	3.4%	6.8%
Mixed Recyc Paper Other Non- Recyc Paper		6.4%	4.6%	8.3%
·		10.5%	8.8%	12.3%
PLASTIC #4 DET Contain and	10.9%		9.9%	12.1%
#1 PET Containers #1 PET Deposit		0.2% 0.2%	0.1% 0.1%	0.3%
#2 HDPE Containers		0.2%	0.1%	0.3% 1.1%
All Other Numbered Containers		0.4%	0.2%	0.6%
Other Plastic Not Numbered		5.7%	4.9%	6.6%
Film/Wrap/Bags		3.7%	3.2%	4.1%
METAL	4.9%	1	3.6%	6.3%
Alum Non-Deposit Beverage Containers		0.1%	0.0%	0.1%
Alum Deposit Beverage Containers Ferrous Food	Ì	0.2%	0.1%	0.3%
Other Ferrous Scrap		2.9%	2.0%	4.0%
Other Non-Ferrous Scrap		1.3% 0.5%	0.7% 0.3%	2.0% 0.7%
·		0.070		
GLASS Clear	1.9%	1.2%	1.4% 0.7%	2.4%
Green		0.0%	0.7%	1.7% 0.1%
Blue		0.0%	0.0%	0.0%
Brown		0.2%	0.1%	0.3%
Deposit Glass Containers		0.1%	0.0%	0.1%
Other/ Mixed Cullet		0.5%	0.2%	0.8%
ннм	1.1%		0.6%	1.7%
Automotive Products		0.3%	0.1%	0.5%
Paints and Solvents		0.1%	0.0%	0.2%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners		0.1%	0.0%	0.2%
Batteries (lead -acid) Batteries (other)		0.0% 0.2%	0.0% 0.1%	0.0% 0.4%
Other (HHM containers w/prod inside)	ľ	0.2%	0.1%	0.4%
YARD WASTE	3.4%		1.1%	7.0%
Yard Waste	3.4 /6	3.4%	1.1%	7.0%
Pumpkins		0.0%	0.0%	0.0%
FOOD WASTE	44.404	ļ		22.22
Food Waste	14.4%	14.4%	9.1% 9.1 %	20.6% 20.6%
WOOD		17.770		
Non-Treated Wood	1.0%	0.4%	0.5% 0.2%	1.7%
Treated Wood		0.6%	0.2%	0.8% 1.1%
		5.577	0.070	1.,70
DURABLES	0.4%		0.1%	0.9%
All Electrical and Household Appl.		0.4%	0.1%	0.9%
Other Durables		0.0%	0.0%	0.0%
TEXTILES	5.6%		3.4%	8.2%
Textiles and Leather		5.6%	3.4%	8.2%
DIAPERS	7.0%		3.3%	11.8%
Diapers		7.0%	3.3%	11.8%
RUBBER	1.2%		0.6%	1.9%
Rubber		1.2%	0.6%	1.9%
ATUES ADDAME		1		
OTHER ORGANIC	3.3%		1.6%	5.6%
Other Organic		3.3%	1.6%	5.6%
OTHER INORGANIC	1.6%		0.8%	2.7%
Other Inorganic	1.070	1.6%	0.8%	2.7%
-				
FINES/SUPERMIX Fines/ Supermix	10.4%	10 40/	8.4%	12.5%
· ·		10.4%	8.4%	12.5%
INFECTIOUS WASTE	1.7%		0.4%	3.8%
Infectious Waste		1.7%	0.4%	3.8%
CONSTRUCTION & DEMOLITION	1.7%	1	0.6%	3.1%
C&D	*** 74	1.7%	0.6%	3.1%
TOTAL PERCENT	400 00:			
TOTAL PERCENT	100.0%			

FLOYD MITCHELL SOLID WASTE AGENCY MSW Composition Combined - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

47 loads 11,510 pounds 245 pounds 363 tons/week

	Est Tons Disposed/W	eek =	363	tons/week		
WASTE CATEGORIES Material			90% Con		Estimat	
Material	Mean Perc	entane	Interva Lower	Upper	Tons po	
PAPER	36.7%	cilage	31.6%	41.9%	133	21
Newspaper		2.0%	1.4%	2.7%	100	7
Magazines	i	1.8%	1.2%	2.4%	•	ė
High Grade/ Office		1.3%	0.9%	1.9%		5
OCC and Kraft Bags	1	12.8%	9.4%	16.7%		46
Mixed Recyc Paper		4.8%	3.5%	6.3%		17
Other Non- Recyc Paper		14.0%	10.5%	17.9%		51
PLASTIC	9.6%	ļ	7.4%	12.0%	35	
#1 PET Containers	İ	0.2%	0.1%	0.2%		1
#1 PET Deposit		0.1%	0.0%	0.1%		0
#2 HDPE Containers		0.6%	0.4%	0.8%		1
All Other Numbered Containers	ł	0.4%	0.2%	0.6%		
Other Plastic Not Numbered		4.3%	3.2%	5.5%		16
Film/Wrap/Bags	ļ	4.1%	3.0%	5.2%		15
METAL	9.3%	ļ	6.8%	12.0%	34	
Alum Non-Deposit Beverage Containers	1	0.0%	0.0%	0.0%		0
Alum Deposit Beverage Containers	l	0.1%	0.1%	0.2%		0
Ferrous Food		6.5%	4.3%	9.1%		24
Other Ferrous Scrap		1.4%	0.9%	2.0%		5
Other Non-Ferrous Scrap		1.2%	0.7%	1.9%		4
GLASS	1.7%	- 1	1.1%	2.4%	6	
Clear		0.9%	0.6%	1.3%		3
Green		0.0%	0.0%	0.0%		3 0 0 1
Blue		0.0%	0.0%	0.0%		0
Brown		0.4%	0.2%	0.6%		1
Deposit Glass Containers Other/ Mixed Cullet		0.1%	0.0%	0.1%		0
Other wixed Cullet		0.4%	0.2%	0.5%		1
HHM	1.0%		0.7%	1.5%	4	
Automotive Products		0.2%	0.1%	0.3%		1
Paints and Solvents		0.3%	0.1%	0.4%		1
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%		
Household Cleaners		0.1%	0.0%	0.1%		0
Batteries (lead -acid)		0.0%	0.0%	0.0%		0 0 0
Batteries (other)		0.1%	0.1%	0.2%		
Other (HHM containers w/prod inside)		0.2%	0.1%	0.3%		1
YARD WASTE	1.4%	l	0.7%	2.2%	5	
Yard Waste		1.4%	0.7%	2.2%	_	5
Pumpkins		0.0%	0.0%	0.0%		0
FOOD WASTE	15.5%		12.1%	19.3%	56	
Food Waste	13.3%	15.5%	12.1%	19.3%	30	56
		15.5%				30
WOOD	1.6%		1.0%	2.5%	6	
Non-Treated Wood Treated Wood	ŀ	0.8%	0.5%	1.2%		3
Healed WOOD	ŀ	0.9%	0.5%	1.3%		3
DURABLES	0.4%		0.2%	0.7%	2	
All Electrical and Household Appl.		0.4%	0.2%	0.7%	_	1
Other Durables		0.0%	0.0%	0.1%		ó
TEXTILES	2 20/					Ĭ
Textiles and Leather	3.3%	3.3%	2.2%	4.6%	12	40
		3.3%	2.2%	4.6%		12
DIAPERS	3.9%	•	2.5%	5.7%	14	
Diapers		3.9%	2.5%	5.7%		14
RUBBER	0.7%		0.5%	1.0%	3	
Rubber	0.7 %	0.79/			3	٦
Nubbei		0.7%	0.5%	1.0%		3
OTHER ORGANIC	2.5%	i	1.6%	3.6%	9	j
Other Organic		2.5%	1.6%	3.6%	•	9
-		2.07	1.070	5.0 %		า
OTHER INORGANIC	1.0%	į	0.6%	1.5%	4	
Other Inorganic		1.0%	0.6%	1.5%		4
FINES/SUPERMIX	7.3%	1	E 401		07	
Fines/ Supermix	7.3%	7 20/	5.4%	9.5%	27	
·		7.3%	5.4%	9.5%		27
INFECTIOUS WASTE	0.6%	1	0.3%	1.1%	2	
Infectious Waste		0.6%	0.3%	1.1%		2
CONSTRUCTION & DEMOLITION	3.00	1	4 ****	ĺ		
C&D	3.0%	200	1.7%	4.7%	11	
		3.0%	1.7%	4.7%		11
TOTAL PERCENT	100.0%					

	OLID WASTE A	GENCY		-
	1997			
	Sample Size = Total Wt Sorted =	_	47	loads
Δ.	iotal Wt Sorted : vg Wt per Sample		11,510 245	pounds
Est 1	ons Disposed/W			ons/week
WASTE CATEGORIES	7		Estimat	
Material	Mean Per	centage	Tons p Materia	
PAPER	32.6%		133	
Newspaper Magazines		1.8% 1.6%		7
High Grade/ Office		1.6%		6 5
OCC and Kraft Bags		11.4%		47
Mixed Recyc Paper Other Non-Recyc Paper	ĺ	4.3% 12.5%		17 51
PLASTIC	8.5%	12.376	35	51
#1 PET Containers	9.376	0.1%	30	1
#1 PET Deposit	1	0.1%		
#2 HDPE Containers All Other Numbered Containers	1	0.6%		0 2 1
Other Plastic Not Numbered	1	0.4% 3.8%		1 16
Film/Wrap/Bags	1	3.6%		15
METAL	8.2%		34	
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers		0.0%		0
Ferrous Food	1	0.1% 5.8%		0 24
Other Ferrous Scrap		1.2%		5
Other Non-Ferrous Scrap		1.1%		4
GLASS	1.5%	1	6	
Clear Green	1	0.8% 0.0%		3
Blue		0.0%		0
Brown	1	0.3%		1
Deposit Glass Containers Other/ Mixed Cullet	1	0.0% 0.3%		0
IHM		0.376		1
Automotive Products	0.9%	0.2%	4	ار
Paints and Solvents		0.2%		1
Pesticides, Herbicides & Fungicides	1	0.0%		ó
Household Cleaners Batteries (lead -acid)		0.1% 0.0%		0
Batteries (other)	1	0.0%		0
Other (HHM containers w/prod inside)		0.2%		1
ARD WASTE	1.2%	İ	5	
Yard Waste Pumpkins		1.2% 0.0%		5
OOD WASTE		U.U76		0
Food Waste	13.8%	13.8%	56	
OOD		13.0%	_	56
Non-Treated Wood	1.5%	0.7%	6	3
Treated Wood	1	0.8%		3
URABLES	0.4%	1		1
All Electrical and Household Appl.	9.476	0.4%	2	1
Other Durables	1	0.0%		ò
EXTILES	2.9%		12	
Textiles and Leather		2.9%		12
IAPERS	3.5%		14	į
Diapers		3.5%		14
UBBER	0.6%		3	1
Rubber		0.6%		3
THER ORGANIC	2.2%	-	9	
Other Organic		2.2%	•	9
THER INORGANIC	0.9%		_	1
Other Inorganic	U.376	0.9%	4	4
NES/SUPERMIX	6.5%	0.07	27	1
Fines/ Supermix	J.J.76	6.5%	27	27
FECTIOUS WASTE	0.6%		•	-"]
Infectious Waste	U.076	0.6%	2	2
DINSTRUCTION & DEMOLITION	40 50	1	4-	1
C&D	10.5%	10.5%	43	43
				43
ECIAI WASTES			_	
ECIAL WASTES Special Wastes	3.4%	3.4%	14	14

IOWA CITY LANDFILL MSW Composition Residential - Fall 1997

	Residenti	<u>ai - Fall 1997</u>			
	Sample Size =		19	loads	
	Total Wt Sorted =		4,181	pounds	
	Avg Wt per Sample =	:	220	pounds	
WASTE CATEGORIES				90% Conf	idence
Material			ĺ	Interval	
		Mean Perc	entage F	Lower U	Jpper
PAPER		35.8%		32.5%	39.2%
Newspaper			4.6%	3.5%	5.8%
Magazines			5.8%	4.4%	7.3%
High Grade/ Office	i		3.5%	2.5%	4.6%
OCC and Kraft Bags			3.2%	2.2%	4.3%
Mixed Recyc Paper			7.1%	6.1%	8.1%
Other Non-Recyc Pa	aper		11.8%	10.2%	13.5%
PLASTIC		8.2%	1	7.5%	8.9%
#1 PET Containers			0.3%	0.2%	0.4%
#1 PET Deposit			0.2%	0.1%	0.3%
#2 HDPE Containers			0.6%	0.5%	0.8%
All Other Numbered	Containers		0.6%	0.3%	0.8%
Other Plastic Not Nu	mbered		2.9%	2.0%	4.0%
Film/Wrap/Bags			3.6%	3.2%	3.9%
METAL		3.2%		2.6%	3.9%
Alum Non-Deposit Be	everage Containers	0.270	0.0%	0.0%	0.0%
Alum Deposit Bevera			0.2%	0.1%	0.3%
Ferrous Food	3		1.3%	1.1%	1.6%
Other Ferrous Scrap	. 1		1.4%	0.8%	2.1%
Other Non-Ferrous S			0.3%	0.2%	0.4%
	oraș		0.070		
GLASS		3.0%		2.5%	3.5%
Clear	l		1.6%	1.2%	2.0%
Green			0.1%	0.0%	0.1%
Blue	ļ		0.0%	0.0%	0.0%
Brown			0.4%	0.2%	0.8%
Deposit Glass Contail Other/ Mixed Cullet	ners		0.6%	0.3%	1.0%
Other/ Mixed Cullet			0.3%	0.1%	0.5%
ннм	i	0.6%	i	0.4%	0.9%
Automotive Products			0.0%	0.0%	0.1%
Paints and Solvents	4		0.2%	0.0%	0.4%
Pesticides, Herbicides	s & Fungicides		0.0%	0.0%	0.0%
Household Cleaners	o a . ag.o.acc		0.1%	0.0%	0.2%
Batteries (lead -acid)			0.0%	0.0%	0.0%
Batteries (other)			0.1%	0.1%	0.2%
Other (HHM containe	rs w/prod inside)		0.1%	0.0%	0.3%
YARD WASTE		5.00 /			
	1	5.2%	0.50	2.7%	8.3%
Yard Waste			2.5%	1.3%	3.9%
Pumpkins			2.7%	1.0%	5.3%
FOOD WASTE		14.1%		11.9%	16.4%
Food Waste			14.1%	11.9%	16.4%
WOOD	1	3.9%	0.00	2.0%	6.5%
Non-Treated Wood	i		0.3%	0.1%	0.5%
Treated Wood			3.7%	1.7%	6.3%
DURABLES		1.2%	i	0.5%	2.1%
All Electrical and Hou	reehold Anni	1.470	0.9%	0.4%	1.6%
Other Durables	seriola Appi.		0.3%	0.1%	0.7%
			0.076		
TEXTILES	i	2.4%		1.6%	3.2%
Textiles and Leather	1		2.4%	1.6%	3.2%
DIAPERS	1	5.3%		3.2%	7.9%
Diapers	i	5.5 A	5.3%	3.2%	7.9%
Бирего	i		0.070	0.270	7.5%
RUBBER		0.3%	1	0.1%	0.4%
Rubber			0.3%	0.1%	0.4%
			İ		1
OTHER ORGANIC		2.4%	- 1	1.6%	3.4%
Other Organic	1		2.4%	1.6%	3.4%
_	}				ı
OTHER INORGANIC	j	2.7%	1	1.3%	4.6%
Other Inorganic	1		2.7%	1.3%	4.6%
EINES (SI IBEDIAIY	į	4.00/		4 00/	E C0/
FINES/SUPERMIX	1	4.9%	اسما	4.2%	5.6%
Fines/ Supermix			4.9%	4.2%	5.6%
INFECTIOUS WASTE		0.1%	1	0.0%	0.1%
Infectious Waste		/•	0.1%	0.0%	0.1%
	1				
CONSTRUCTION & DEMO	LITION	7.0%	1	2.9%	12.7%
C&D]		7.0%	2.9%	12.7%
TOTAL PERCENT		100.0%			

HOWA CITY LANDFILL MSW Composition Commercial - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

23 loads 5,213 pounds 227 pounds

Avg Wt per Sample =		227	pounds	
WASTE CATEGORIES		1	90% Confid	lence
Material	Mas- D		Interval	(%)
PAPER	Mean Pero	entage	Lower 23,2%	Upper 43.7%
Newspaper	00.1 A	2.8%	1.4%	43.79
Magazines		2.4%	1.1%	4.29
High Grade/ Office		2.5%	1.2%	4.29
OCC and Kraft Bags Mixed Recyc Paper		7.9%	4.9%	11.69
Other Non-Recyc Paper		5.0% 12.5%	2.2% 6.4%	8.89 20.39
PLASTIC	40.40/	12.070		
#1 PET Containers	19.4%	0.44	11.1%	29.5%
#1 PET Deposit		0.1% 0.1%	0.0% 0.0%	0.1% 0.2%
#2 HDPE Containers		0.1%	0.4%	1.59
All Other Numbered Containers		0.5%	0.2%	0.99
Other Plastic Not Numbered		12.3%	5.3%	21.5%
Film/Wrap/Bags		5.7%	2.9%	9.2%
METAL	5.0%	i	2.2%	8.8%
Alum Non-Deposit Beverage Containers		0.0%	0.0%	0.0%
Alum Deposit Beverage Containers Ferrous Food		0.1%	0.1%	0.2%
Other Ferrous Scrap		0.3%	0.1%	0.5%
Other Non-Ferrous Scrap		4.4%	1.7%	8.3%
·		0.2%	0.1%	0.3%
GLASS j	1.9%		0.9%	3.2%
Green		0.7%	0.3%	1.2%
Blue		0.0%	0.0% 0.0%	0.1% 0.0%
Brown		0.0%	0.0%	0.0%
Deposit Glass Containers		0.4%	0.2%	0.8%
Other/ Mixed Cullet		0.7%	0.2%	1.5%
IHM	0.1%	-	0.0%	0.2%
Automotive Products	0.170	0.0%	0.0%	0.0%
Paints and Solvents		0.0%	0.0%	0.0%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners		0.0%	0.0%	0.1%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)		0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)		0.0%	0.0%	0.0%
ARD WASTE	0.8%		0.3%	1.5%
Yard Waste Pumpkins		0.4%	0.1%	0.8%
·		0.4%	0.1%	0.8%
OOD WASTE	12.0%	1	5.6%	20.3%
Food Waste		12.0%	5.6%	20.3%
/OOD	8.5%	ı	2.9%	16.6%
Non-Treated Wood		1.0%	0.4%	1.7%
Treated Wood		7.5%	2.3%	15.6%
URABLES	2 20/	- 1	4.00/	
All Electrical and Household Appl.	3.2%	3.1%	1.0% 0.9%	6.6%
Other Durables		0.1%	0.0%	6.5% 0.2%
EXTILES	A 70/			
Textiles and Leather	0.7%	0.7%	0.3% 0.3%	1.1%
i		0.776	0.376	1.1%
IAPERS	0.5%	- 1	0.2%	1.0%
Diapers		0.5%	0.2%	1.0%
UBBER	0.3%	- 1	0.1%	0.5%
Rubber		0.3%	0.1%	0.5%
THEN ODGANIE				
THER ORGANIC	0.4%	- 1	0.2%	0.8%
Other Organic		0.4%	0.2%	0.8%
THER INORGANIC	1.0%		0.49	4 00
Other Inorganic	1.0 /6	1.0%	0.4%	1.8%
<u> </u>		1.070	0.4%	1.8%
NES/SUPERMIX	2.0%		1.1%	3.2%
Fines/ Supermix		2.0%	1.1%	3.2%
FECTIOUS WASTE	0.0%	1	0.0%	0.1%
Infectious Waste		0.0%	0.0%	0.1%
1		1		-
INSTRUCTION & DEMOLITION	44 99/			00.44
DISTRUCTION & DEMOLITION C&D	11.3%	11.3%	3.6% 3.6 %	22.4% 22.4%

IOWA CITY LANDFILL MSW Composition Mixed - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

10 loads 2,306 pounds 231 pounds

l otal vvt Sorted ≠ Avg Wt per Sample	=	2,306 231	pounds pounds		
WASTE CATEGORIES	,			lanca	
Material Material	1	1	90% Confidence Interval (%)		
	Mean Pero	entage	Lower	Upper	
PAPER	34.1%		24.5%	44.5%	
Newspaper Magazines	1	3.2%	1.5%	5.6%	
High Grade/ Office	1	3.1% 2.4%	1.4% 1.1%	5.3% 4.2%	
OCC and Kraft Bags		7.3%	4.3%	10.9%	
Mixed Recyc Paper	1	4.1%	2.1%	6.9%	
Other Non-Recyc Paper	i	14.1%	8.4%	20.9%	
PLASTIC	10.4%		8.5%	12.4%	
#1 PET Containers		0.3%	0.2%	0.5%	
#1 PET Deposit		0.1%	0.0%	0.2%	
#2 HDPE Containers		0.6%	0.3%	1.1%	
All Other Numbered Containers Other Plastic Not Numbered	l	0.1% 4.5%	0.0% 3.4%	0.3%	
Film/Wrap/Bags	 	4.7%	3.4%	5.8% 6.3%	
METAL	3.7%	<i>"</i>	2.2%	5.5%	
Alum Non-Deposit Beverage Containers	3.7 76	0.0%	0.0%	0.0%	
Alum Deposit Beverage Containers		0.2%	0.1%	0.3%	
Ferrous Food		1.4%	0.8%	2.2%	
Other Ferrous Scrap		1.6%	0.5%	3.4%	
Other Non-Ferrous Scrap	1	0.5%	0.2%	0.7%	
GLASS	2.6%	ļ	1.5%	4.0%	
Clear		1.0%	0.4%	1.8%	
Green Blue		0.1%	0.0%	0.2%	
Brown		0.0%	0.0%	0.0%	
Deposit Glass Containers		0.1% 1.2%	0.0% 0.3%	0.2% 2.6%	
Other/ Mixed Cullet		0.3%	0.1%	0.6%	
ннм	0.20/				
Automotive Products	0.3%	0.40/	0.1%	0.6%	
Paints and Solvents		0.1% 0.0%	0.0% 0.0%	0.1% 0.1%	
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.1%	
Household Cleaners		0.1%	0.0%	0.2%	
Batteries (lead -acid)	1	0.0%	0.0%	0.0%	
Batteries (other)		0.0%	0.0%	0.1%	
Other (HHM containers w/prod inside)		0.1%	0.0%	0.3%	
YARD WASTE	1.7%		0.3%	3.9%	
Yard Waste		0.7%	0.1%	1.6%	
Pumpkins		1.0%	0.1%	2.9%	
FOOD WASTE	23.1%		12.4%	36.0%	
Food Waste		23.1%	12.4%	36.0%	
WOOD	1.4%		0.5%	2.7%	
Non-Treated Wood		0.4%	0.1%	0.9%	
Treated Wood		1.0%	0.2%	2.3%	
DURABLES	0.59/	i	0.484	4 000	
All Electrical and Household Appl.	0.5%	0.3%	0.1% 0.0%	1.2% 0.7 %	
Other Durables		0.2%	0.0%	0.7%	
TEXTILES	2.0%		1.0%		
Textiles and Leather	2.0%	2.0%	1.0%	3.4% 3.4%	
		2.070		i i	
DIAPERS Diapers	3.6%	2 604	1.1%	7.6%	
'		3.6%	1.1%	7.6%	
RUBBER	0.2%		0.0%	0.5%	
Rubber	!	0.2%	0.0%	0.5%	
OTHER ORGANIC	0.9%		0.29/		
Other Organic	U.3 %	0.004	0.3%	1.8%	
, and the second		0.9%	0.3%	1.8%	
OTHER INORGANIC	1.6%	ļ	0.3%	4.0%	
Other Inorganic		1.6%	0.3%	4.0%	
FINES/SUPERMIX	12.3%		2.8%	27.3%	
Fines/ Supermix	. 2.0 /6	12.3%	2.8%	27.3%	
INFECTIOUS WASTE	0.00/			1	
Infectious Waste	0.0%	0.0%	0.0%	0.0%	
		0.0%	0.0%	0.0%	
CONSTRUCTION & DEMOLITION	1.6%]	0.2%	4.2%	
C&D		1.6%	0.2%	4.2%	
TOTAL PERCENT	100.0%				
	100.0/8				

IOWA CITY LANDFILL MSW Composition Combined - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

52 loads 11,700 pounds 225 pounds 1,356 tons/week

Est Tons Disposed/Week = WASTE CATEGORIES 90% Confidence Material Interval (%) Tons per Material Mean Percentage 34.3% 3.5% 3.8% 2.8% Newspaper 2.6% 2.7% Magazines 5.0% 3.7% 51 38 High Grade/ Office OCC and Kraft Bags 2.0% 6.0% 4.6% 82 Mixed Recyc Paper 5.6% 4.0% 7.3% 76 Other Non-Recyc Paper 12.5% 9.5% 15.9% 170 PLASTIC 13.6% 10.2% 17.3% 184 #1 PET Containers 0.2% 0.1% 0.3% 3 #1 PET Deposit 0.1% 0.7% 0.5% 0.2% #2 HDPE Containers 0.5% 0.3% 10 All Other Numbered Containers 0.6% Other Plastic Not Numbered 7.4% 4.8% 10.5% 100 Film/Wrap/Bags 4.7% 3.5% 6.0% 64 2.9% 4.1% **5.5%** 0.0% 55 Alum Non-Deposit Beverage Containers 0.0% 0.0% 0 Alum Deposit Beverage Containers 0.2% Ferrous Food 0.9% 0.6% 1.2% 12 Other Ferrous Scrap 2.8% 1.7% 4.1% 37 Other Non-Ferrous Scrap 0.3% 0.2% 0.4% GLASS 2.4% 1.8% **3.1%** 1.4% 33 Clear 0.8% 1.1% 15 0.1% 0.0% 0.3% 0.9% 0.7% Green 0.1% 0.0% 0.0% 0.0% 0 Brown 0.2% 0.1% Deposit Glass Containers 0.6% 0.4% Other/ Mixed Cullet 6 0.5% 0.3% ннм 0.3% 0.2% 0.4% Automotive Products 0.0% 0.0% 0.0% 0 Paints and Solvents 0.1% 0.0% 0.0% 0.1% Pesticides, Herbicides & Fungicides Household Cleaners 0.0% 0.1% 0 0.1% 0.0% Batteries (lead -acid) 0.0% 0.1% 0.1% 0.0% 0.0% Batteries (other) Other (HHM containers w/prod inside) 0.1% 0.0% Light Bulbs 0.0% 0.0% 0.0% 0 YARD WASTE 2.6% 1.6% 3.7% 35 Yard Waste 1.2% 0.7% 1.8% 16 **Pumpkins** 18 FOOD WASTE 14.9% 11.0% 19.3% 202 Food Waste 14.9% 11.0% 19.3% 202 3.1% 5.5% 8.4% 74 Non-Treated Wood 0.6% 0.4% 0.9% Treated Wood 4.9% 2.6% 7.7% 66 DURABLES 1.9% 1.0% 3.1% 26 All Electrical and Household Appl. 0.9% 23 Other Durables 0.1% 0.2% 0.3% TEXTILES 1.5% 1.1% 2.0% 21 Textiles and Leather 1.5% 1.1% 2.0% 21 DIAPERS 2.9% 1.8% 1.8% 4.1% 39 Diapers 2.9% 4.1% 39 RUBBER 0.3% 0.2% 0.4% 3 Rubber 0.3% 0.2% 0.4% 3 OTHER ORGANIC 1.2% 0.8% 1.7% 17 Other Organic 1.2% 0.8% 1.7% 17 OTHER INORGANIC 1.7% 1.1% 2.5% 23 Other Inorganic 1.7% 1.1% 2.5% 23 FINES/SUPERMIX 5.1% 3.4% 7.0% 68 Fines/ Supermix 5.1% 3.4% 68 7.0% INFECTIOUS WASTE 0.0% 0.0% 0.1% Infectious Waste 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 7.8% 4.3% 12.4% 106 C&D 7.8% 4.3% 12.4% 106 **TOTAL PERCENT** 100.0%

IOWA CITY LANDFILL Solid Waste Composition Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

52 loads 11,700 pounds 225 pounds 1,785 tons/week

WASTE CATEGORIES	/eek =	1,785	tons/week	
Material	Mean Pero	entage	Estimal Tons p Materi	er
PAPER	26.0%		465	
Newspaper		2.7%		48
Magazines		2.9%		51
High Grade/ Office		2.1%		38
OCC and Kraft Bags		4.6%		82
Mixed Recyc Paper		4.2%		76
Other Non-Recyc Paper		9.5%		170
PLASTIC	40.20/		404	
#1 PET Containers	10.3%		184	_
#1 PET Deposit		0.2%		. 3
#2 HDPE Containers		0.1%		2
All Other Numbered Containers		0.6%		10
		0.3%		6
Other Plastic Not Numbered		5.6%		100
Film/Wrap/Bags		3.6%		64
METAL	3.1%]	55	
Alum Non-Deposit Beverage Containers		0.0%		0
Alum Deposit Beverage Containers		0.1%		2
Ferrous Food		0.7%		12
Other Ferrous Scrap		2.1%		37
Other Non-Ferrous Scrap		0.2%		4
GLASS				•
Clear	1.8%	ابيم	33	
		0.8%		15
Green Blue		0.0%		1
Brown		0.0%		0
		0.1%		2
Deposit Glass Containers Other/ Mixed Cullet		0.5%		9
Curent Mixed Cullet		0.4%		6
HM	0.2%	ŀ	4	
Automotive Products	U.L 70	0.0%	-	
Paints and Solvents				0
Pesticides, Herbicides & Fungicides		0.1%		1
Household Cleaners		0.0%		0
Batteries (lead -acid)		0.1%		1
Batteries (other)		0.0%		0
Other (HHM containers w/prod inside)		0.0%		1
Light Bulbs		0.0%		1
-		0.0%		0
ARD WASTE	1.9%	1	35	
Yard Waste		0.9%		16
Pumpkins		1.0%		18
OOD WASTE	44			
	11.3%		202	
Food Waste		11.3%		202
VOOD	4.1%	- 1	74	- 1
Non-Treated Wood		0.4%	• •	8
Treated Wood		3.7%		66
				~~
URABLES	1.5%	ļ	26	
All Electrical and Household Appl.		1.3%		23
Other Durables		0.2%		3
				Ĭ
EYTH EC			21	[
	1.2%			21
EXTILES Textiles and Leather	1.2%	1.2%		21
Textiles and Leather		1.2%	70	- 2'
Textiles and Leather	1.2% 2.2%		39	
Textiles and Leather MAPERS Diapers		1.2% 2.2%	39	39
Textiles and Leather IAPERS Diapers			39 3	
Textiles and Leather IAPERS Diapers	2.2%	2.2%		39
Textiles and Leather MAPERS Diapers UBBER	2.2%			
Textiles and Leather NAPERS Diapers UBBER Rubber	2.2% 0.2%	2.2%		39
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC	2.2%	2.2% 0.2%	3	39 3
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic	2.2% 0.2%	2.2%	3	39
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic	2.2% 0.2% 0.9%	2.2% 0.2%	3 17	39 3
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic	2.2% 0.2%	2.2% 0.2% 0.9%	3	39 3 17
Textiles and Leather NAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic	2.2% 0.2% 0.9%	2.2% 0.2%	3 17	39 3
Textiles and Leather NAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic	2.2% 0.2% 0.9%	2.2% 0.2% 0.9%	3 17	39 3 17
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic THER INORGANIC Other Inorganic	2.2% 0.2% 0.9% 1.3%	2.2% 0.2% 0.9%	3 17 23	39 3 17 23
Textiles and Leather MAPERS Diapers UBBER Rubber ITHER ORGANIC Other Organic ITHER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3%	3 17 23 68	39 3 17
Textiles and Leather MAPERS Diapers UBBER Rubber Other Organic UTHER INORGANIC Other Inorganic UNES/SUPERMIX Fines/ Supermix MFECTIOUS WASTE	2.2% 0.2% 0.9% 1.3%	2.2% 0.2% 0.9% 1.3% 3.8%	3 17 23	39 3 17 23
Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3%	3 17 23 68	39 3 17 23
Textiles and Leather IAPERS Diapers UBBER Rubber THER ORGANIC Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3% 3.8%	3 17 23 68	39 3 17 23 68
Textiles and Leather MAPERS Diapers UBBER Rubber Other Organic Other Organic Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	3 17 23 68	39 3 17 23 68
Textiles and Leather NAPERS Diapers RUBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3% 3.8%	3 17 23 68	39 3 17 23 68
Textiles and Leather MAPERS Diapers RUBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	3 17 23 68 1	39 3 17 23 68
DIAPERS Diapers RUBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D PECIAL WASTES	2.2% 0.2% 0.9% 1.3% 3.8%	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	3 17 23 68	39 3 17 23 68 1 513
Textiles and Leather MAPERS Diapers RUBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic CIMES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	3 17 23 68 1	39 3 17 23 68
Textiles and Leather MAPERS Diapers UBBER Rubber OTHER ORGANIC Other Organic OTHER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste ONSTRUCTION & DEMOLITION C&D PECIAL WASTES	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	2.2% 0.2% 0.9% 1.3% 3.8% 0.0%	3 17 23 68 1	39 3 17 23 68 1 513

MONONA COUNTY MSW Composition Residential - Fall 1997

Sample Size =
Total Wt Sorted =

6 loads 1,429 pounds 238 pounds

Avg Wt per Sample	=	238	pounds pounds	
WASTE CATEGORIES	T		90% Confi	dence
Material		1	Interval	(%)
	Mean Perc	entage	Lower	Upper
PAPER	29.8%	0.40/	14.6%	47.6%
Newspaper Magazines	ļ	8.1% 4.2%	1.8% 2.3%	18.2% 6.7%
High Grade/ Office	1	1.5%	0.3%	3.7%
OCC and Kraft Bags		3.5%	1.0%	7.3%
Mixed Recyc Paper	ľ	7.7%	2.6%	15.0%
Other Non-Recyc Paper	i	4.8%	1.2%	10.3%
PLASTIC	4.1%		1.2%	8.6%
#1 PET Containers		0.2%	0.0%	0.6%
#1 PET Deposit		0.1%	0.0%	0.2%
#2 HDPE Containers All Other Numbered Containers		0.4% 0.7%	0.1% 0.1%	1.0% 1.7%
Other Plastic Not Numbered		1.3%	0.3%	3.1%
Film/Wrap/Bags		1.5%	0.4%	3.3%
METAL	3.9%	ł	1.2%	8.0%
Alum Non-Deposit Beverage Containers	5.575	0.0%	0.0%	0.2%
Alum Deposit Beverage Containers	İ	0.3%	0.0%	0.8%
Ferrous Food		1.4%	0.3%	3.4%
Other Ferrous Scrap		1.9%	0.2%	5.5%
Other Non-Ferrous Scrap		0.2%	0.0%	0.5%
GLASS	1.7%		0.3%	4.2%
Clear		1.1%	0.2%	2.9%
Green Blue		0.2% 0.0%	0.0%	0.8% 0.0%
Brown		0.0%	0.0% 0.0%	0.0%
Deposit Glass Containers	1	0.2%	0.0%	0.7%
Other/ Mixed Cullet	[0.0%	0.0%	0.1%
ннм	3.2%	1	0.4%	8.4%
Automotive Products	0.2%	1.0%	0.0%	3.6%
Paints and Solvents		1.5%	0.0%	5.0%
Pesticides, Herbicides & Fungicides	•	0.4%	0.0%	1.4%
Household Cleaners		0.0%	0.0%	0.0%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)		0.1%	0.0%	0.2%
Other (HHM containers w/prod inside)		0.1%	0.0%	0.2%
YARD WASTE	9.7%	4 00/	1.5%	23.9%
Yard Waste Pumpkins		1.2% 8.5%	0.1% 1.3%	3.6%
•		0.5%	1.3%	21.0%
FOOD WASTE	7.4%		1.5%	17.4%
Food Waste		7.4%	1.5%	17.4%
WOOD	3.3%	1	0.4%	8.5%
Non-Treated Wood		2.0%	0.0%	7.0%
Treated Wood		1.3%	0.1%	4.0%
DURABLES	15.5%	- 1	1.4%	40.7%
All Electrical and Household Appl.	10.070	3.3%	0.8%	7.3%
Other Durables		12.3%	0.2%	38.5%
TEXTILES	6.2%	- 1	1.9%	12.8%
Textiles and Leather		6.2%	1.9%	12.8%
DIAPERS	1.4%		0.2%	3.5%
Diapers	1.476	1.4%	0.2%	3.5%
		17.2		
RUBBER	0.8%		0.1%	2.0%
Rubber		0.8%	0.1%	2.0%
OTHER ORGANIC	2.4%	- 1	0.2%	6.6%
Other Organic		2.4%	0.2%	6.6%
<u> </u>	!			
OTHER INORGANIC	0.5%	1	0.0%	1.9%
Other Inorganic		0.5%	0.0%	1.9%
FINES/SUPERMIX	10.2%	1	3.0%	21.1%
Fines/ Supermix		10.2%	3.0%	21.1%
NFECTIOUS WASTE	0.0%		0.0%	0.0%
Infectious Waste	3.0 %	0.0%	0.0%	0.0%
		5.5 %		
CONSTRUCTION & DEMOLITION	0.0%		0.0%	0.0%
C&D		0.0%	0.0%	0.0%
· · · · · · · · · · · · · · · · · · ·		****		0.070

MONONA COUNTY	
MSW Composition	
Commercial - Fall 1997	

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

4 loads 1,046 pounds 261 pounds

	Total Wt Sorted = Avg Wt per Sample =	:	1,046 261	pounds pounds	
WASTE CATEGORIES				90% Confi	
Material		Moon De		Interval	(%)
PAPER		Mean Perce	entage	Lower 55.0%	Upper 77.8%
Newspaper		00 .3 %	1.9%	0.1%	5.7%
Magazines			3.9%	0.3%	11.5%
High Grade/ Office			5.9%	0.0%	21.9%
OCC and Kraft Bag	s		46.3%	18.1%	75.9%
Mixed Recyc Paper Other Non-Recyc P	Paner		5.0%	0.1%	16.4%
Other Non-Recyc F	aper		3.9%	0.1%	12.7%
PLASTIC		5.4%	_	2.1%	10.0%
#1 PET Containers	1		0.0%	0.0%	0.1%
#1 PET Deposit #2 HDPE Containers			0.2%	0.0%	0.8%
All Other Numbered			0.3%	0.0% 0.0%	1.2% 2.6%
Other Plastic Not No			0.5%	0.0%	1.5%
Film/Wrap/Bags			3.8%	1.9%	6.3%
METAL	•	6.3%	i	2.0%	12.5%
Alum Non-Deposit B			0.0%	0.0%	0.1%
Alum Deposit Bevera	age Containers		0.1%	0.0%	0.2%
Ferrous Food			0.9%	0.0%	3.9%
Other Ferrous Scrap			3.8%	0.0%	14.6%
Other Non-Ferrous S	ocrap		1.4%	0.1%	4.6%
GLASS	1	0.5%		0.0%	2.2%
Clear	İ		0.5%	0.0%	2.0%
Green Blue			0.0%	0.0% 0.0%	0.0% 0.0%
Brown	ŀ		0.0%	0.0%	0.0%
Deposit Glass Conta	iners		0.0%	0.0%	0.1%
Other/ Mixed Cullet	İ		0.0%	0.0%	0.1%
ннм		1.7%	- 1	0.0%	7.1%
Automotive Products		1.7 /6	0.5%	0.0%	2.7%
Paints and Solvents			0.7%	0.0%	4.1%
Pesticides, Herbicide	s & Fungicides		0.0%	0.0%	0.0%
Household Cleaners	-		0.4%	0.0%	2.0%
Batteries (lead -acid)			0.0%	0.0%	0.0%
Batteries (other)	ore wheread inecide)		0.0%	0.0%	0.1%
Other (HHM containe	as wyrod iriside)		0.0%	0.0%	0.0%
YARD WASTE		0.0%		0.0%	0.1%
Yard Waste Pumpkins			0.0% 0.0%	0.0%	0.1%
rumpalis			U.U76	0.0%	0.0%
FOOD WASTE		4.6%		0.0%	16.8%
Food Waste			4.6%	0.0%	16.8%
WOOD		7.2%	İ	0.1%	24.5%
Non-Treated Wood	1		7.0%	0.0%	27.1%
Treated Wood	ĺ		0.2%	0.0%	1.2%
DURABLES		0.0%	1	0.0%	0.0%
All Electrical and Ho	usehold Appl.	V.U /6	0.0%	0.0%	0.0%
Other Durables	''		0.0%	0.0%	0.0%
TEXTILES		0.6%		0.0%	3.3%
Textiles and Leather			0.6%	0.0%	3.3%
DIAPERS		0.7%		0.0%	3.6%
Diapers		0.7%	0.7%	0.0% 0.0%	3.6% 3.6%
•		4 444	~ ~		
RUBBER	1	1.1%		0.0%	3.8%
Rubber	1		1.1%	0.0%	3.8%
OTHER ORGANIC	ł	0.3%		0.0%	1.9%
Other Organic			0.3%	0.0%	1.9%
_					
OTHER INORGANIC	İ	0.0%		0.0%	0.2%
Other Inorganic	į.		0.0%	0.0%	0.2%
FINES/SUPERMIX	į.	2.6%	1	0.0%	9.2%
Fines/ Supermix			2.6%	0.0%	9.2%
INFECTIOUS WASTE	1	0.0%	1	0.0%	0.1%
Infectious Waste	ļ	V.U /6	0.0%	0.0%	0.1%
					1
CONSTRUCTION & DEMO	DLITION	2.2%	اسم	0.0%	9.0%
C&D			2.2%	0.0%	9.0%
TOTAL PERCEN	T	100.0%			

MONONA COUNTY MSW Composition Mixed - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

10 loads 2,162 pounds 216 pounds

Newspaper 9,0% 4,4% 155.	Avg Wt per Sample	=	216	pounds	
PAPER Newspaper Newspape					
Newspaper	Material	Mean Pero	centage F		
Magazines			- Critage		45.9%
High Grade/ Office 2.6% 1.2% 4.6% 1.2%					15.2%
CCC and Kraft Bags 5,6% 3.9% 7.2% 12.2					10.5% 4.5%
Mixed Recyc Paper					7.5%
PLASTIC	Mixed Recyc Paper				12.2%
# I PET Containers # 1 PET Lopeosit # 1 PET Deposit # 1 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit # 2 PET Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food	Other Non-Recyc Paper		7.5%	4.6%	11.1%
#1 PET Containers #1 PET Loposit #2 HDPE Containers All Other Numbered Containers All Other Numbered Containers All Other Numbered Containers Cother Plastic Not Numbered Film/Wrap/Bags METAL Alurn Non-Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Ferrous Food Other Forous Scrap Other Non-Ferrous	PLASTIC	8.9%	1	7.7%	10.1%
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alurn Non-Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Alurn Deposit Beverage Containers Ferrous Food Other Forous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Berrous Scrap Other Oth			0.3%	0.1%	0.4%
All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Non-Ferous Scrap Other Non-Ferous Scrap Other Non-Ferous Scrap Other Non-Ferous Scrap Other Non-Ferous Scrap Clear Green Busu Brown Deposit Glass Containers Other Mixed Cullet Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteri					0.3%
Cher Pisatic Not Numbered 2.6% 2.1% 3.2% 4.5% 3.2%					1.5%
FilmWrap/Bags					0.8%
METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Gererous Scrap Alum Deposit Gererous Scrap Alum Deposit Gererous Scrap Alum Deposit Gererous Scrap Alum Deposit Gererous Gererous Deposit Gererous Gererous Alum Deposit Gererous Gererous Alum Deposit Gererous Gererous Alum Deposit Gererous Gererous Alum Deposit Gererous Gererous Alum Deposit					3.2% 4.9%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Forous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Mixed Other Other Other Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Mixed Other Other Other Other Other Other Other Other Other Other Other Other (H-IM Containers w/prod inside) VARD WASTE Yard Waste Yard Waste Yard Waste Yard Waste Food Waste Other O		4.29/	'/"		
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap GLASS Clear Green Blue Brown Deposit Glass Containers Other Mixed Cullet Other Other Mixed Cullet Other Other Mixed Cullet Other		4.276	0.1%		5.8% 0.3%
Ferrous Food 2,6% 1,9% 3.2		ł			0.3%
Cither Non-Ferrous Scrap 0.3% 0.2% 0.5% 0.5% 0.6% 0.2% 0.6% 0.6% 0.2% 0.6% 0.6% 0.2% 0.6% 0.6% 0.2% 0					3.4%
Clear		į .	1.0%	0.4%	2.0%
Clear Green Blue Blue Brown Deposit Glass Containers Other/ Mixed Cullet Automotive Products Parits and Solvents Patitries (eds. Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (ed-a-acid) Batteries (ed-a-acid) Batteries (lead-acid) Bat	Other Non-Ferrous Scrap		0.3%	0.2%	0.5%
Clear 0.7% 0.4% 1.1	GLASS	1.3%	- 1	0.8%	1.9%
Blue			0.7%	0.4%	1.1%
Brown		1			0.6%
Deposit Glass Containers		1			0.0%
Other/ Mixed Cullet					0.1%
### Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead acid') Batteries (lea					0.3%
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Non-Treated Wood Non-Treated Wood To 8% All Electrical and Household Appl. Other Durables Textiles and Leather Textiles and Leather Tother Reganic Tother Organic Tother Organic Tother Organic Tother Organic Tother Norganic Tother Inorganic Tother Inorganic Tother Inorganic Tother Waste Tother Supermix Tother Supermix Tother Supermix Tother Supermix Tother Supermix Tother Infectious Waste Tother Organic Tother Supermix Tother Organic Tother Supermix Tother Sup		1			
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (other) Other (H-HM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste WOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles Diapers DIAPERS Diapers Rubber OTHER ORGANIC Other Organic TINES/SUPERMIX Fines/ Supermix INFECTIOUS WASTE Infectious Waste OON CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION CARP CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION C&D CONSTRUCTION & DEMOLITION CARP CONSTRUCTION & CONSTRUCTION CONSTRUCTION & CONSTRUCTION CONSTRUCTION & CONSTRUCTION CONSTRUCTION & CONSTRUCTION CONSTRUCTION & CONSTRUCTION CONSTRUCTION & CONSTRUCTION		1.2%	0.50		2.1%
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Dother (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE All Electrical and Household Appl. Other Durables Textiles Textiles and Leather DIAPERS Diapers Rubber DIAPERS DIAP					1.2%
Household Cleaners 0.0% 0.0% 0.1% 0.1% 0.0%		[0.0%
Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Non-Treated Wood Non-Treated Wood Treated Wood Other Ourables All Electrical and Household Appl. Other Ourables Textiles		1			0.1%
Other (H-HM containers w/prod inside) YARD WASTE	Batteries (lead -acid)				0.0%
YARD WASTE 3.6% 9.8 Yard Waste 1.9% 0.4% 4.7 Pumpkins 13.7% 10.9% 16.8 FOOD WASTE 13.7% 10.9% 16.8 FOOD Waste 0.2% 0.1% 0.0% 0.2 WOOD 0.1% 0.0% 0.2 0.1% 0.0% 0.2 Non-Treated Wood 0.1% 0.0% 0.2 0.6% 0.2% 1.3 DURABLES 2.0% 0.6% 0.2% 1.3 0.6% 0.2% 1.3 All Electrical and Household Appl. 0.6% 0.2% 1.3 0.1% 0.4 0.1% 0.4 1.4 0.1% 0.4 1.4 0.1% 0.1% 0.4 1.2 0.2% 6.3 1.3% 4.2 0.6% 6.3 1.3% 4.2 0.6% 6.3 1.3% 4.2 0.6% 6.3 1.3% 4.2 0.0% 6.3 1.3% 4.2 0.0% 0.0% 0.1% 0.4 0.2%		j			0.1%
Yard Waste Pumpkins 1.9% 4.4% 2.0% 7.8 FOOD WASTE Food Waste 13.7% 10.9% 16.8 FOOD WASTE FOOD Waste 13.7% 10.9% 16.8 WOOD Non-Treated Wood Treated Wood Treated Wood 0.1% 0.0% 0.2 DURABLES All Electrical and Household Appl. Other Durables 2.0% 0.6% 0.2% 1.3 Other Durables 3.8% 2.0% 6.3 Textiles and Leather 3.8% 2.0% 6.3 DIAPERS Diapers 2.5% 1.3% 4.2 Diapers Rubber 0.2% 0.1% 0.4 Other Organic 1.2% 0.7% 1.8 OTHER ORGANIC Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix Fines/ Supermix 10.4% 8.2% 12.8* NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8*	Other (HHM containers w/prod inside)		0.3%	0.1%	0.6%
Pumpkins FOOD WASTE Food Waste F		6.4%		3.6%	9.8%
FOOD WASTE Food Waste					4.7%
Food Waste WOOD Non-Treated Wood Treated Wood Non-Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles and Leather DIAPERS Diapers Diapers Rubber DIAPER Rubber DTHER ORGANIC Other Organic Other Organic DTHER INORGANIC Other Inorganic TIENTIALS OTHER INORGANIC Other Inorganic Textiles and Leather DIAPER SUBSEN OTHER INORGANIC Other Inorganic TEXTILES TEXTILE	Pumpkins	l	4.4%	2.0%	7.8%
Food Waste 13.7% 10.9% 16.8	FOOD WASTE	13,7%	1	10.9%	16.8%
Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles Textiles and Leather Diapers Diapers Diapers Diapers Diapers Cother Organic DIAPER Organic DIAPER Organic DIAPER INORGANIC Other Inorganic DIAPER INORGANIC OTHER INORGANIC OTHER I	Food Waste		13.7%		16.8%
Non-Treated Wood 0.1% 0.0% 0.2% 0.3% 0.2% 0.3% 0.3% 0.2% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.6% 0.2% 1.3% 0.6% 0.2% 1.3% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.3% 0.3% 0.3% 0.2% 0.3% 0.3% 0.2% 0.3% 0.3% 0.2% 0.3% 0.3% 0.2% 0.3% 0.	WOOD	0.2%	- 1	0.1%	0.4%
DURABLES All Electrical and Household Appl. Other Durables Textiles Textiles and Leather Diapers Diapers Color Organic Cother Organic Cother Organic Cother Inorganic FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste Can Can Can Can Can Can Can Ca		1	0.1%		0.2%
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather 3.8% Textiles and Leather 4.2% Textiles and Leather 5.0% Textiles and Leather 5.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Le	Treated Wood		0.1%	0.0%	0.3%
All Electrical and Household Appl. Other Durables TEXTILES Textiles and Leather 3.8% Textiles and Leather 4.2% Textiles and Leather 5.0% Textiles and Leather 5.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Leather 6.0% Textiles and Le	NIDADI ES	2.09/	1	0.50/	4 00/
Other Durables 1.4% 0.1% 4.1 TEXTILES Textiles and Leather 3.8% 2.0% 6.3 DIAPERS Diapers 2.5% 1.3% 4.2 Diapers 0.2% 0.1% 0.4 RUBBER Rubber 0.2% 0.1% 0.4 OTHER ORGANIC Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix 10.4% 8.2% 12.8 INFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8*	*** == *	2.0%	0.6%		
TEXTILES 3.8% 2.0% 6.3 Textiles and Leather 3.8% 2.0% 6.3 DIAPERS 2.5% 1.3% 4.2 Diapers 2.5% 1.3% 4.2 RUBBER 0.2% 0.1% 0.4 OTHER ORGANIC 1.2% 0.7% 1.8 OTHER INORGANIC 0.6% 0.2% 1.2 Other Inorganic 0.6% 0.2% 1.2 Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX 10.4% 8.2% 12.8 Infectious Waste 0.0% 0.0% 0.0 CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8 CAD 1.1% 0.2% 2.8					4.1%
Textiles and Leather 3.8% 2.0% 6.3 DIAPERS 2.5% 1.3% 4.2 Diapers 2.5% 1.3% 4.2 RUBBER 0.2% 0.1% 0.4 OTHER ORGANIC 0.2% 0.7% 1.8 OTHER INORGANIC 0.6% 0.2% 1.2 Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX 10.4% 8.2% 12.8 Fines/ Supermix 10.4% 8.2% 12.8 INFECTIOUS WASTE 0.0% 0.0% 0.0 Infectious Waste 0.0% 0.0% 0.00 CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.86 C&D 1.1% 0.2% 2.86	FEYTII EQ	200/			
DIAPERS Diapers 2.5% 1.3% 4.2 RUBBER Rubber 0.2% 0.1% 0.4 OTHER ORGANIC Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix Infectious Waste 10.4% 8.2% 12.8 INFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8 CAD 1.1% 0.2% 2.8		3.8%	3 8 94		6.3%
Diapers 2.5% 1.3% 4.2			0.07		
RUBBER Rubber 0.2% 0.1% 0.4 OTHER ORGANIC Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0 CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8 CAD 1.1% 0.2% 2.8		2.5%	250		4.2%
Rubber 0.2% 0.1% 0.4 OTHER ORGANIC 1.2% 0.7% 1.8 OTHER INORGANIC 0.6% 0.2% 1.2 Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX 10.4% 8.2% 12.8 Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE 0.0% 0.0% 0.0 Infectious Waste 0.0% 0.0% 0.0 CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8 C&D 1.1% 0.2% 2.8	•	1	2.5%	1.3%	4.2%
DTHER ORGANIC 1.2% 0.7% 1.8	RUBBER	0.2%		0.1%	0.4%
Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8 C&D 1.1% 0.2% 2.8	Rubber		0.2%	0.1%	0.4%
Other Organic 1.2% 0.7% 1.8 OTHER INORGANIC Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8 C&D 1.1% 0.2% 2.8	THER OPERANC	4 ~~	1	0.70/	4 00/
OTHER INORGANIC 0.6% 0.2% 1.2° Other Inorganic 0.6% 0.2% 1.2° FINES/SUPERMIX 10.4% 8.2% 12.8° Fines/ Supermix 10.4% 8.2% 12.8° NFECTIOUS WASTE 0.0% 0.0% 0.0° Infectious Waste 0.0% 0.0% 0.0° CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8° C&D 1.1% 0.2% 2.8°		1.2%	4 00/		
Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX 10.4% 8.2% 12.8 Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8 C&D 1.1% 0.2% 2.8	Other Organic		1.2%	U. / %	1.8%
Other Inorganic 0.6% 0.2% 1.2 FINES/SUPERMIX 10.4% 8.2% 12.8 Fines/ Supermix 10.4% 8.2% 12.8 NFECTIOUS WASTE Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION C&D 1.1% 0.2% 2.8 C&D 1.1% 0.2% 2.8	OTHER INORGANIC	0.6%	1	0.2%	1.2%
10.4% 8.2% 12.8	Other Inorganic	1	0.6%		1.2%
Fines/ Supermix 10.4% 8.2% 12.8' NFECTIOUS WASTE 0.0% 0.0% 0.0' Infectious Waste 0.0% 0.0% 0.0' CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8' C&D 1.1% 0.2% 2.8'	FINES/SUPERMIX	10.4%			i
NFECTIOUS WASTE Infectious Waste 0.0%		19.4%	10 4%		12.8%
Infectious Waste 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8° C&D 1.1% 0.2% 2.8°	,				•
CONSTRUCTION & DEMOLITION 1.1% 0.2% 2.8° C&D 1.1% 0.2% 2.8°	· · · · · · · · · · · · · · · · · · ·	0.0%	0		0.0%
C&D 1.1% 0.2% 2.8°	micalous vvaste		U.U%	0.0%	0.0%
	CONSTRUCTION & DEMOLITION	1.1%	- 1	0.2%	2.8%
	C&D		1.1%		2.8%
TOTAL PERCENT 100.0%	TOTAL PERCENT	400.09/			

MONONA COUNTY MSW Composition Combined - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

20 loads 4,636 pounds 232 pounds 86 tons/week

	Tons Disposed/W	eek =	86	tons/week		
WASTE CATEGORIES			90% Conf		Estimate	_
Material	Mean Pero	entage	Interval Lower	(%) Upper	Tons per Material	•
PAPER	43.5%	енауе	36.1%	51.0%	37	
Newspaper	40.5%	7.3%	4.4%	11.0%	3,	6
Magazines	ł	6.1%	4.5%	7.9%		5
High Grade/ Office	i	2.9%	1.6%	4.6%		6 5 3
OCC and Kraft Bags	Į.	13.1%	7.0%	20.7%		11
Mixed Recyc Paper	i	8.1%	5.7%	10.8%		7
Other Non- Recyc Paper		6.0%	3.9%	8.4%		5
PLASTIC	6.8%		5.1%	8.6%	6	
#1 PET Containers		0.2%	0.1%	0.3%	•	0
#1 PET Deposit	,	0.1%	0.1%	0.2%		ŏ
#2 HDPE Containers		0.8%	0.5%	1.2%		1
All Other Numbered Containers	i	0.6%	0.3%	0.9%		i
Other Plastic Not Numbered	1	1.8%	1.2%	2.5%		2
Film/Wrap/Bags	1	3.2%	2.4%	4.2%		2 3
METAL	4.5%		3.3%	5.9%	4	
Alum Non-Deposit Beverage Containers	4.5%	0.1%	0.0%	0.2%	•	٥
Alum Deposit Beverage Containers		0.2%	0.1%	0.3%		ň
Ferrous Food	1	1.9%	1.2%	2.8%		2
Other Ferrous Scrap	Ĭ	1.8%	0.9%	3.1%		2
Other Non-Ferrous Scrap	I	0.5%	0.3%	0.8%		0 0 2 2
GLASS		5.578				,
GLASS Clear	1.3%		0.8%	1.9%	1	
Green		0.8%	0.4%	1.2%		1
Blue		0.2%	0.1%	0.4%		0
Brown	1	0.0%	0.0%	0.0%		0
Deposit Glass Containers		0.1% 0.1%	0.0% 0.0%	0.2% 0.3%		O
Other/ Mixed Cullet		0.1%	0.0%	0.3%		0
		0.176	0.0%	0.276		۷
HHM	1.9%	1	1.0%	3.1%	2	
Automotive Products		0.7%	0.3%	1.2%		- 1
Paints and Solvents	-	0.7%	0.2%	1.5%		1
Pesticides, Herbicides & Fungicides	1	0.1%	0.0%	0.2%		ol
Household Cleaners		0.1%	0.0%	0.2%		o
Batteries (lead -acid)		0.0%	0.0%	0.0%		1 0 0 0
Batteries (other)		0.0%	0.0%	0.1%		0
Other (HHM containers w/prod inside)	1	0.2%	0.1%	0.3%		0
YARD WASTE	6.1%	- 1	3.2%	9.8%	5	
Yard Waste	0.176	1.3%	0.5%	2.5%	•	1
Pumpkins		4.8%	2.4%	8.0%		4
	1		2. 170	5.5%		7
FOOD WASTE	10.0%	i	6.7%	14.0%	9	
Food Waste		10.0%	6.7%	14.0%		9
WOOD	2.5%	· I	1.1%	4.5%	2	
Non-Treated Wood		2.0%	0.7%	4.0%	-	2
Treated Wood	ı	0.5%	0.2%	0.9%		2 0
· · · · · · · · · · · · · · · · · · ·				5.5.7		Ĭ
DURABLES	5.7%		2.1%	10.8%	5	
All Electrical and Household Appl.	1	1.3%	0.6%	2.3%		1
Other Durables		4.4%	1.3%	9.2%		4
TEXTILES	3.9%	- 1	2.2%	6.0%	3	
Textiles and Leather	1 3.5%	3.9%	2.2%	6.0%	•	3
0/4000		5.577				ĭ
DIAPERS	1.8%		1.0%	2.9%	. 2	
Diapers	1	1.8%	1.0%	2.9%		2
RUBBER	0.6%	- 1	0.3%	0.00	•	1
Rubber	0.070	أمور		0.9%	v	
1100001	1	0.6%	0.3%	0.9%		0
OTHER ORGANIC	1.4%		0.7%	2.2%	1	
Other Organic		1.4%	0.7%	2.2%	•	1
		1.77	0.776	2.2.70		'I
OTHER INORGANIC	0.4%		0.2%	0.8%	0	ı
Other Inorganic	1	0.4%	0.2%	0.8%	•	o
		٠.٦٨		1		٩
FINES/SUPERMIX	8.8%		6.0%	12.1%	8	
Fines/ Supermix	1	8.8%	6.0%	12.1%		8
NFECTIOUS WASTE	0.0%	- 1	0.0%	0.0%	0	
Infectious Waste	1	0.0%	0.0%	0.0%	v	٦
		0.07	0.076	0.076		o
CONSTRUCTION & DEMOLITION	1.0%	1	0.4%	1.9%	1	
C&D		1.0%	0.4%	1.9%	-	1
TOTAL BEDGENZ	1 455 551					
TOTAL PERCENT	100.0%					. "

MONONA COUNTY Solid Waste Composition Fall 1997

Est Tons Disposed/V	Veek =	104	tons/week	
WASTE CATEGORIES			Estimated	
Material	Mean Perc	antana .	Tons per	
PAPER	35.9%	entage	Material 37	
Newspaper		6.1%	••	6
Magazines		5.0%		6 5 3
High Grade/ Office	1	2.4%		3
OCC and Kraft Bags Mixed Recyc Paper	1	10.8%		11
Other Non-Recyc Paper	l	6.7% 4.9%		7
· · · · · · · · · · · · · · · · · · ·	_	4.376		5
PLASTIC #4 DET Co. 1	5.6%		6	
#1 PET Containers #1 PET Deposit	i	0.2%		0 0 1 1 2 3
#2 HDPE Containers		0.1% 0.7%		0
All Other Numbered Containers		0.7%		- ;
Other Plastic Not Numbered	i	1.5%		,
Film/Wrap/Bags	1	2.7%		3
METAL	3.7%		4	
Alum Non-Deposit Beverage Containers	/	0.1%	•	0
Alum Deposit Beverage Containers	ľ	0.1%		ō
Ferrous Food		1.6%		2
Other Ferrous Scrap		1.5%		0 0 2 2 0
Other Non-Ferrous Scrap	1	0.4%		0
GLASS	1.1%	}	1	
Clear		0.6%	-	1
Green		0.1%	•	0
Blue Brown		0.0%		0
Deposit Glass Containers		0.1%		0
Other/ Mixed Cullet		0.1% 0.1%		0
		3.176		٧
HHM	1.6%	i	2	i
Automotive Products		0.5%		1
Paints and Solvents Pesticides, Herbicides & Fungicides		0.6%		1
Household Cleaners		0.1% 0.1%		0
Batteries (lead -acid)		0.1%		ő
Batteries (other)		0.0%		o
Other (HHM containers w/prod inside)		0.1%		ō
ARD WASTE	5.0%		5	
Yard Waste	0.070	1.1%	*	1
Pumpkins		3.9%		4
OOD WASTE			_	
Food Waste	8.3%	8.3%	9	
		0.370		9
WOOD Non-Treated Wood	2.1%		2	
Treated Wood		1.7% 0.4%		2
		0.476		0
DURABLES	4.7%	1	5	1
All Electrical and Household Appl.		1.1%		1
Other Durables		3.6%		4
TEXTILES	3.2%		3	
Textiles and Leather		3.2%	•	3
DIAPERS	1.5%	i	•	
Diapers	1.5%	1.5%	2	_
`		1.576		2
RUBBER	0.5%	- 1	0	
Rubber		0.5%		0
OTHER ORGANIC	1.1%			1
Other Organic	1.176	4.40/	1	
Curei Cigallic		1.1%		י
			0	
THER INORGANIC	0.4%			o
	0.4%	0.4%		٠
Other Inorganic		0.4%	_	
Other Inorganic INES/SUPERMIX	7.3%		8	ٳ
Other Inorganic INES/SUPERMIX Fines/ Supermix	7.3%	0.4% 7.3%	8	8
Other Inorganic INES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE		7.3%	8	8
Other Inorganic INES/SUPERMIX Fines/ Supermix	7.3%		8	8
Other Inorganic INES/SUPERMIX Fines/ Supermix IFECTIOUS WASTE Infectious Waste	7.3% 0.0%	7.3%	8 0	
Other Inorganic INES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste	7.3%	7.3% 0.0%	8 0 18	0
Other Inorganic INES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D	7.3% 0.0% 17.3%	7.3%	8 0 18	
FINES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D PECIAL WASTES	7.3% 0.0%	7.3% 0.0% 17.3%	8 0 18	0
Other Inorganic INES/SUPERMIX Fines/ Supermix NFECTIOUS WASTE Infectious Waste CONSTRUCTION & DEMOLITION C&D	7.3% 0.0% 17.3%	7.3% 0.0%		0

SOUTH CENTRAL IOWA SOLID WASTE AGENCY **MSW Composition** Residential - Fall 1997

Sample Size = Total Wt Sorted =

12 loads 2,742

pounds Avg Wt per Sample = 228 . pounds WASTE CATEGORIES 90% Confidence Material Interval (%) Mean Percentage Lower PAPER 10.0% 19.9% 32.1% Newspaper 3.4% 1.2% 0.7% 6.5% Magazines 2.1% 4.0% High Grade/ Office 0.3% 0.6% 0.1% OCC and Kraft Bags 4.7% 7.1% 12.3% 2.9% 1.5% Mixed Recyc Paner 4.1% 1.9% Other Non-Recyc Paper 7.2% 3.3% PLASTIC 8.5% 4.9% 12.9% #1 PET Containers 0.1% 0.0% 0.3% #1 PET Deposit 0.0% 0.0% #2 HDPE Containers 0.9% 0.5% 0.2% All Other Numbered Containers 0.1% 0.2% 6.7% 0.0% Other Plastic Not Numbered 4.5% 2.8% Film/Wrap/Bags 3.1% 1.3% 5.6% METAL 8.7% 4.6% 13.9% Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers 0.1% 0.1% 3.1% 0.0% 0.0% 0.1% 0.0% Ferrous Food 1.6% 0.6% Other Ferrous Scrap 5.5% 2.4% 9.8% Other Non-Ferrous Scrap 1.5% 0.6% 2.8% GLASS 3.3% 1.8% 5.2% Clear 1.9% 0.8% 3.4% Green 0.0% 0.0% 0.1% Blue 0.0% 0.0% 0.0% Brown 0.2% 0.0% Deposit Glass Containers 0.0% 0.0% Other/ Mixed Cullet 1.2% 2.6% 0.4% ннм 0.8% 0.3% 1.5% **Automotive Products** 0.4% 0.1% 0.8% Paints and Solvents 0.1% 0.0% 0.3% Pesticides, Herbicides & Fungicides 0.0% 0.0% 0.0% Household Cleaners 0.0% 0.0% Batteries (lead -acid) 0.0% 0.0% 0.0% Batteries (other) 0.1% 0.0% 0.2% Other (HHM containers w/prod inside) 0.1% 0.0% 0.3% YARD WASTE 0.1% 0.6% 1.5% Yard Waste 0.6% 0.1% 1.5% **Pumpkins** 0.0% 0.0% 0.0% FOOD WASTE 5.7% 1.9% 11.3% Food Waste 5.7% 1.9% 11.3% WOOD 16.4% 6.4% 29.9% Non-Treated Wood 5.4% 1.9% 10.5% Treated Wood 21.4% 11.1% 3.9% DURABLES 12.7% 4.6% 24.0% All Electrical and Household Appl. 47% 1.3% 9.9% Other Durables 8.0% 1.9% 17.6% TEXTILES 5.1% 2.5% 8.5% Textiles and Leather 5.1% 2.5% 8.5% DIAPERS 0.2% 0.8% 1.9% Diapers 0.8% 1.9% RUBBER 0.2% 0.6% 1.3% Rubber 0.6% 0.2% 1.3% OTHER ORGANIC 0.5% 2.2% 5.1% Other Organic 2.2% 0.5% 5.1% OTHER INORGANIC 2.5% 0.6% 5.5% Other Inorganic 2.5% 0.6% 5.5% FINES/SUPERMIX 5.0% 2.3% 8.8% Fines/ Supermix 5.0% 2.3% 8.8% INFECTIOUS WASTE 2.7% 0.3% 7.1% Infectious Waste 2.7% 0.3% 7.1% CONSTRUCTION & DEMOLITION 4.6% 1.5% 9.2% C&D 4.6% 1.5% 9.2% TOTAL PERCENT 100.0%

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Commercial - Fall 1997

Sample Size = Total Wt Sorted =

8 loads 1,997 pounds 250 pounds

Total Wt Sorted = Avg Wt per Sample	=	1,997 250	pounds pounds	
WASTE CATEGORIES Material			90% Confidence	(%)
PAPER	Mean Percenta	ge	Lower	Upper
Newspaper	21.5%	1.1%	12.7% 0.1%	45.4% 3.4%
Magazines		0.9%	0.1%	2.8%
High Grade/ Office		1.9%	0.2%	5.6%
OCC and Kraft Bags	1	7.6%	2.7%	14.6%
Mixed Recyc Paper		2.4%	0.6%	5.4%
Other Non-Recyc Paper PLASTIC	1	13.6%	3.9%	27.7%
	44.8%		21.6%	69.2%
#1 PET Containers #1 PET Deposit		0.0%	0.0%	0.1%
#2 HDPE Containers	1	0.0%	0.0% 0.0%	0.0%
All Other Numbered Containers	1	0.0%	0.0%	0.2% 0.0%
Other Plastic Not Numbered	1	3.7%	20.5%	68.3%
Film/Wrap/Bags		1.0%	0.2%	2.5%
METAL	2.4%		0.3%	6.6%
Alum Non-Deposit Beverage Containers		0.0%	0.0%	0.0%
Alum Deposit Beverage Containers		0.0%	0.0%	0.1%
Ferrous Food		0.1%	0.0%	0.2%
Other Ferrous Scrap		0.0%	0.0%	0.1%
Other Non-Ferrous Scrap		2.3%	0.2%	6.5%
GLASS	9.9%	1	0.2%	31.5%
Clear	1	0.1%	0.0%	0.4%
Green		0.0%	0.0%	0.0%
Blue Brown		0.0%	0.0%	0.0%
Deposit Glass Containers		0.0%	0.0%	0.0%
Other/ Mixed Cullet		0.0% 9.7%	0.0% 0.1%	0.0% 32.3%
ннм		ا" "ا		
********	0.0%	- }	0.0%	0.1%
Automotive Products Paints and Solvents		0.0%	0.0%	0.1%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners		0.0% 0.0%	0.0% 0.0%	0.0%
Batteries (lead -acid)		0.0%	0.0%	0.0% 0.0%
Batteries (other)		0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)		0.0%	0.0%	0.0%
ARD WASTE	0.0%		0.0%	0.0%
Yard Waste	1	0.0%	0.0%	0.0%
Pumpkins		0.0%	0.0%	0.0%
OOD WASTE	0.4%	ļ	0.0%	1.0%
Food Waste		0.4%	0.0%	1.0%
VOOD	3.6%	- 1	0.9%	7.9%
Non-Treated Wood		1.9%	0.2%	5.0%
Treated Wood		1.7%	0.1%	4.8%
DURABLES	0.49/			
All Electrical and Household Appl.	0.1%	0.1%	0.0% 0.0 %	0.2% 0.2%
Other Durables		0.0%	0.0%	0.2%
EXTILES				
Textiles and Leather	0.1%	2.1%	0.0% 0.0%	0.2%
		J. 1 70	0.076	0.2%
DIAPERS Diapers	0.0%		0.0%	0.0%
•	,	0.0%	0.0%	0.0%
RUBBER	0.0%		0.0%	0.1%
Rubber	(0.0%	0.0%	0.1%
THER ORGANIC	0.2%	- 1	0.04/	0.50
Other Organic		أبيد	0.0%	0.5%
Other Organic	,	0.2%	0.0%	0.5%
THER INORGANIC	3.8%		0.1%	12.3%
Other Inorganic		3.8%	0.1%	12.3%
INES/SUPERMIX		1		
Fines/ Supermix	1.7%	.7%	0.1% 0.1%	5.0%
· ·	3	. / 70	U.1%	5.0%
VFECTIOUS WASTE	5.6%		0.5%	15.8%
Infectious Waste	5	6.6%	0.5%	15.8%
ONSTRUCTION & DEMOLITION	0.2%	ĺ	0.0%	0.5%
				
C&D	C).2%	0.0%	0.5%

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Mixed - Fail 1997

Sample Size =

28

loads

Sample Size = Total Wt Sorted =		28 6 3 1 7	loads	
Avg Wt per Sample	=	6,317 226	pounds pounds	
WASTE CATEGORIES			.	idonos
Material Material	1	l	90% Conf Interval	
	Mean Perce	entage	Lower	Úpper
PAPER Newspaper	34.4%	8.4%	30.3% 5.8%	38.7% 11.4%
Magazines	İ	2.9%	5.8% 2.1%	11.4% 3.9%
High Grade/ Office	1	1.2%	0.8%	1.7%
OCC and Kraft Bags	1	6.7%	5.3%	8.2%
Mixed Recyc Paper	Ī	5.5%	4.3%	6.8%
Other Non-Recyc Paper	1	9.8%	8.2%	11.4%
PLASTIC	13.4%	. 1	11.4%	15.5%
#1 PET Containers #1 PET Denosit	1	0.3%	0.2%	0.4%
#1 PET Deposit #2 HDPE Containers	1	0.2% 1.3%	0.1% 1.0%	0.3% 1.7%
All Other Numbered Containers	1	0.4%	1.0% 0.2%	1./% 0.6%
Other Plastic Not Numbered	1	6.2%	4.6%	8.0%
Film/Wrap/Bags	1	5.0%	4.0%	6.2%
METAL	6.0%	I	4.6%	7.6%
Alum Non-Deposit Beverage Containers	1	0.0%	0.0%	0.1%
Alum Deposit Beverage Containers	1	0.1%	0.1%	0.1%
Ferrous Food Other Ferrous Scrap	1	1.7%	1.2%	2.3%
Other Ferrous Scrap Other Non-Ferrous Scrap	1	3.5% 0.7%	2.5% 0.4%	4.7% 1.0%
	1	0.7%	0.4%	1.0%
GLASS Clear	1.7%		1.2%	2.3% 1.5%
Clear Green	ī	1.0% 0.0%	0.7% 0.0%	1.5% 0.0%
Green Blue	ł	0.0%	0.0% 0.0%	0.0% 0.0%
Brown	1	0.1%	0.0%	0.1%
Deposit Glass Containers	ſ	0.1%	0.0%	0.1%
Other/ Mixed Cullet	ĺ	0.5%	0.3%	0.9%
ннм	0.9%	ŀ	0.6%	1.1%
Automotive Products	1	0.4%	0.8%	0.6%
Paints and Solvents	l	0.1%	0.1%	0.2%
Pesticides, Herbicides & Fungicides	l	0.1%	0.0%	0.1%
Household Cleaners	1	0.0%	0.0%	0.0%
Batteries (lead -acid) Batteries (other)	l	0.0%	0.0% 0.1%	0.0% 0.2%
Other (HHM containers w/prod inside)	ŀ	0.1%	0.1% 0.1%	0.2%
YARD WASTE	0.9%	-·· "	0.4%	1.4%
Yard Waste	U.3%	0.9%	0.4% 0.4%	1.4% 1.4%
Pumpkins	ļ	0.0%	0.0%	0.0%
i i	~ ~~	1		
FOOD WASTE Food Waste	7.8%	7.8%	5.6% 5.6%	10.3% 10.3%
		7.070		
WOOD Non-Treated Wood	6.3%	أبيور	3.6% 1.2%	9.8% 3.7%
Non-Treated Wood Treated Wood		2.3% 4.1%	1.2% 2.2%	3.7% 6.4%
		-t. 1 70		J.476
DURABLES	1.3%	. 1	0.7%	2.1%
All Electrical and Household Appl.		0.9%	0.5%	1.6%
Other Durables	ļ	0.4%	0.1%	0.7%
TEXTILES	4.3%		3.1%	5.8%
Textiles and Leather		4.3%	3.1%	5.8%
DIAPERS	3.5%	- 1	2.2%	5.0%
Diapers	1	3.5%	2.2%	5.0%
RUBBER	0.3%		0.1%	0.5%
Rubber	/-	0.3%	0.1%	0.5%
		~		
OTHER ORGANIC	1.2%	l	0.6%	1.9%
Other Organic	t	1.2%	0.6%	1.9%
OTHER INORGANIC	1.9%		1.0%	3.0%
Other Inorganic	1.570	1.9%	1.0%	3.0%
FINES/SUPERMIX				
	7.4%		5.9%	9.0%
Fines/ Supermix		7.4%	5.9%	9.0%
NFECTIOUS WASTE	1.2%		0.5%	2.4%
Infectious Waste		1.2%	0.5%	2.4%
CONSTRUCTION & DEMOLITION	7.6%	ı	3.9%	12.2%
C&D		7.6%	3.9%	12.2%
	444.55			
TOTAL PERCENT	100.0%			

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Combined - Fall 1997

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tors Disposed Mook

48 loads 11,056 pounds 230 pounds 941 tons/week

WASTE CATEGORIES Material PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers	Mean Perc 29.6%	5.9% 2.4% 1.1%	90% Conf Interval Lower 24.9% 4.1% 1.7%		Estimat Tons p Materi 279	er
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers		5.9% 2.4%	24.9% 4.1%	Upper 34.6%	Materi	
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers	29.6%	2.4%	4.1%			
Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers		2.4%		8.0%.I		
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers			4.702			56
OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers	i i	(.1761		3.2%		22
Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers		5.9%	0.7%	1.5%		10
Other Non-Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers		4.6%	4.6%	7.2%		55
PLASTIC #1 PET Containers #1 PET Deposit #2 HDPE Containers		9.7%	3.6%	5.8%		44
#1 PET Containers #1 PET Deposit #2 HDPE Containers		9.176	7.7%	12.0%		92
#1 PET Deposit #2 HDPE Containers	17.4%	- 1	13.4%	21.8%	164	
#2 HDPE Containers		0.2%	0.1%	0.3%		2
	į.	0.1%	0.1%	0.2%		1
	1	0.9%	0.7%	1.2%		9
All Other Numbered Containers	1	0.3%	0.1%	0.4%		2
Other Plastic Not Numbered		12.1%	8.4%	16.3%		113
Film/Wrap/Bags		3.9%	2.9%	4.9%		36
METAL	6.1%		4.6%	7.7%	57	
Alum Non-Deposit Beverage Containers	5	0.0%	0.0%	0.1%	3,	0
Alum Deposit Beverage Containers	ŀ	0.1%	0.1%	0.1%		1
Ferrous Food	1	1.4%	1.0%	1.9%		13
Other Ferrous Scrap	į	3.4%	2.4%	4.6%		
Other Non-Ferrous Scrap		1.2%	0.8%	1.7%		32
GLASS				1		11
Clear	3.5%	,]	2.1%	5.1%	32	ı
Green	1	1.1%	0.7%	1.5%		10
Blue		0.0%	0.0%	0.0%		0
Brown	i	0.0%	0.0%	0.0%		0
Deposit Glass Containers		0.1%	0.0%	0.1%		- 1
Other/ Mixed Cullet	1	0.0%	0.0%	0.1%		0
		2.2%	1.1%	3.8%		21
HHM	0.7%		0.5%	0.9%	6	
Automotive Products		0.3%	0.2%	0.5%	U	
Paints and Solvents	1	0.1%	0.2%			3
Pesticides, Herbicides & Fungicides	l	0.0%	0.1%	0.1%		1
Household Cleaners	- 1	0.0%	0.0%	0.0% 0.0%		0 0
Batteries (lead -acid)	1	0.0%	0.0%			U
Batteries (other)	i	0.1%		0.0%		0
Other (HHM containers w/prod inside)	1	0.1%	0.1%	0.1%		!
YARD WASTE		0.176	0.1%	0.1%		1
Yard Waste	0.7%	1	0.4%	1.0%	6	1
	ľ	0.7%	0.4%	1.0%		6
Pumpkins		0.0%	0.0%	0.0%		Ō
FOOD WASTE	6.0%	1	4 00/			
Food Waste	0.0%	6.0%	4.2% 4.2%	8.1%	57	
WOOD	İ	0.0%	4.276	8.1%		57
Non-Treated Wood	8.4%	I	5.5%	11.8%	79	- 1
Treated Wood	1	3.0%	1.9%	4.3%		28
Treated 99000		5.4%	3.4%	7.9%		51
DURABLES		ſ		1,		
All Electrical and Household Appl.	3.9%	,	2.3%	6.0%	37	- 1
Other Durables		1.7%	1.0%	2.6%		16
		2.2%	1.1%	3.7%		21
TEXTILES	3.9%	l	2.8%	5.1%	36	1
Textiles and Leather		3.9%	2.8%	5.1%	30	36
DIAPERS						30
Diapers	2.2%	1	1.4%	3.2%	21	- 1
Diapers		2.2%	1.4%	3.2%		21
RUBBER	0.3%	- 1	0.20	0.00	_	
Rubber	0.5%	0.00	0.2%	0.5%	3	
		0.3%	0.2%	0.5%		3
OTHER ORGANIC	1.3%		0.7%	1.9%	40	1
Other Organic	1	4 00/			12	- 1
The origination	1	1.3%	0.7%	1.9%		12
OTHER INORGANIC	2.4%	l	1.4%	254	~	- 1
Other Inorganic	2	2 494		3.5%	22	- 1
	·	2.4%	1.4%	3.5%		22
FINES/SUPERMIX	5.9%	i	4.4%	7.5%	55	- 1
Fines/ Supermix	1	5.9%	4.4%	7.5%		55
OTHER	2 24					~1
Other	2.3%		1.2%	3.8%	22	J
		2.3%	1.2%	3.8%		22
CONSTRUCTION & DEMOLITION	5.6%	l	3.4%		F	Į
	3.079	E CC.		8.3%	53	- 1
C&D	l l		2 44/	0.26/		1
		5.6%	3.4%	8.3%		53

	A SOLID WASTE Composition II 1997	AGENCY		
	Sample Size = Total Wt Sorted = vg Wt per Sample	=	48 11,056 230	loads pounds pounds
WASTE CATEGORIES	Tons Disposed/W	eek =		tons/weel
Material			Estima Tons	
	Mean Perc	entage	Mate	
PAPER	22.5%	4.504	279	
Newspaper Magazines		4.5% 1.8%		56 22
High Grade/ Office		0.8%		10
OCC and Kraft Bags		4.4%		55
Mixed Recyc Paper Other Non-Recyc Paper		3.5%		44
• •		7.4%		92
PLASTIC	13.2%	[164	
#1 PET Containers #1 PET Deposit		0.1% 0.1%		1
#2 HDPE Containers	i	0.1%		9
All Other Numbered Containers		0.2%		}
Other Plastic Not Numbered		9.1%		113
Film/Wrap/Bags		2.9%		36
METAL	4.6%		57	
Alum Non-Deposit Beverage Containers		0.0%		9
Alum Deposit Beverage Containerş Ferrous Food	Ì	0.1% 1.0%		13
Other Ferrous Scrap		2.6%		32
Other Non-Ferrous Scrap		0.9%		11
BLASS	2.6%		32	
Clear	2.076	0.8%	32	10
Green		0.0%		C
Blue		0.0%		0
Brown Deposit Glass Containers		0.1%		1
Other/ Mixed Cullet	1	1.7%		21
		1.7 7		21
IHM	0.5%		6	
Automotive Products Paints and Solvents		0.3%		3
Pesticides, Herbicides & Fungicides		0.1% 0.0%		1 0
Household Cleaners	1	0.0%		0
Batteries (lead -acid)		0.0%		ŏ
Batteries (other)	1	0.1%		1
Other (HHM containers w/prod inside) Light Bulbs	1	0.1% 0.0%		1
	1	U.U76		O
ARD WASTE Yard Waste	0.5%	0.50	6	_
Pumpkins		0.5% 0.0%		6
·		0.076		U
FOOD WASTE	4.6%		57	
Food Waste	1	4.6%		57
VOOD	6.4%		79	1
Non-Treated Wood Treated Wood	1	2.3%		28
I LANGE AAOOG		4.1%		51
URABLES	3.0%	1	37	
All Electrical and Household Appl.		1.3%		16
Other Durables		1.7%		21
EXTILES	2.9%		36	
Textiles and Leather		2.9%		36
IAPERS	1.7%		21	
Diapers		1.7%		21
UBBER			_	-'
	0.3%	0.00	3	_
Rubber		0.3%		3
THER ORGANIC	0.9%		12	
Other Organic	1	0.9%		12
THER INORGANIC		- 1		1
	1.8%		22	
Other Inorganic	1	1.8%		22
INES/SUPERMIX	4.4%		55	
Fines/ Supermix	1	4.4%		55
THER	1.8%	1	22	
Other	[1.8%		22
ONSTRUCTION & DEMOLITION	25.40]	744	į
C&D	25.1%	25.1%	311	311
		20.170		311
PECIAL WASTES	3.3%		41	
Special Wastes	1	3.3%		41
TOTAL PERCENT	100.0%			

APPENDIX D 1998 SPRING RESULTS

DES MOINES COUNTY MSW Composition Residential - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

17 loads 3,866 pounds 227 pounds

Avg Wt per Sample = WASTE CATEGORIES Material PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper	Mean Pero	2.8%	90% Confidence of Interval (Lower 24.7%	
Material PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper		2.8%	Interval (Lower 24.7%	%) Upper
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper		2.8%	Lower 24.7%	Úpper
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper	31.7%			39 94/
Magazines High Grade/ Office OCc and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper				
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper			1.8%	4.0%
OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper	İ	3.0% 1.4%	2.0% 0.6%	4.2% 2.6%
Other Non-Recyc Paper		5.7%	3.8%	7.9%
·		6.3%	4.1%	8.8%
DI ACTIC	l	12.6%	8.2%	17.6%
PLASTIC	13.3%	i	11.2%	15.5%
#1 PET Containers	l	0.4%	0.2%	0.7%
#1 PET Deposit		0.2%	0.1%	0.4%
#2 HDPE Containers	1	1.1%	0.9%	1.5%
All Other Numbered Containers Other Plastic Not Numbered	1	1.3%	0.8%	1.9%
Film/Wrap/Bags		5.2% 5.0%	3.8% 3.1%	6.9 % 7.2 %
METAL	4.00/	3.0%		
Alum Non-Deposit Beverage Containers	4.9%	0.1%	3.5% 0.0%	6.3%
Alum Deposit Beverage Containers		0.1%	0.1%	0.2% 0.3%
Ferrous Food		1.6%	1.0%	2.4%
Other Ferrous Scrap		2.4%	1.3%	3.8%
Other Non-Ferrous Scrap		0.6%	0.2%	1.0%
GLASS	2.3%	ļ	1.5%	3.3%
Clear	2.078	1.6%	0.9%	2.5%
Green		0.1%	0.0%	0.2%
Blue		0.0%	0.0%	0.0%
Brown		0.3%	0.1%	0.6%
Deposit Glass Containers		0.2%	0.0%	0.4%
Other/ Mixed Cullet		0.1%	0.0%	0.2%
ННМ	0.7%	Į.	0.3%	1.1%
Automotive Products		0.2%	0.1%	0.4%
Paints and Solvents		0.2%	0.0%	0.3%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)		0.0% 0.2%	0.0%	0.0%
Other (HHM containers w/prod inside)		0.2%	0.1% 0.0%	0.3% 0.2%
YARD WASTE	4 50/	0.17		
Yard Waste	1.5%	1.5%	0.7% 0.7%	2.5% 2.5%
Pumpkins		0.0%	0.7%	2.5% 0.0%
•		0.07	0.070	0.070
FOOD WASTE	10.2%		6.1%	15.3%
Food Waste		10.2%	6.1%	15.3%
woop	3.4%		1.3%	6.3%
Non-Treated Wood		0.6%	0.2%	1.1%
Treated Wood		2.8%	1.0%	5.4%
DURABLES	9.8%	- 1	3.3%	19.0%
All Electrical and Household Appl.	J.U 76	3.1%	1.3%	5.5%
Other Durables		6.7%	1.6%	15.0%
TEXTILES	9.0%		5.5%	
Textiles and Leather	3.0 %	9.0%	5.5%	13.3% 13.3%
DIAPERS		0.070		
Diapers Diapers	4.2%	4.00/	2.3%	6.6%
Diapers		4.2%	2.3%	6.6%
RUBBER	0.3%	1	0.1%	0.7%
Rubber		0.3%	0.1%	0.7%
OTHER ORGANIC				
***	0.9%		0.3%	1.9%
Other Organic		0.9%	0.3%	1.9%
OTHER INORGANIC	0.6%		0.3%	1.0%
Other Inorganic		0.6%	0.3%	1.0%
FINES/SUPERMIX		3.5 /		
Fines/ Supermix	6.1%	ابيي	3.6%	9.0%
· ·		6.1%	3.6%	9.0%
OTHER	0.2%		0.0%	0.5%
Other		0.2%	0.0%	0.5%
CONSTRUCTION & DEMOLITION	1.1%		0.39/	اسر
C&D	1.776	1.1%	0.3% 0.3%	2.4% 2.4%
		1.170	U.370	2.470
TOTAL PERCENT	100.0%			

DES MOINES COUNTY MSW Composition Commercial - Spring 1999

Commercial - Spring 1998 16 3,502 Sample Size = loads Total Wt Sorted = pounds Avg Wt per Sample = 219 pounds WASTE CATEGORIES 90% Confidence Material Interval (%) Mean Percentage 27.3% Newspaper 0.8% 0.3% Magazines 0.4% 0.1% High Grade/Office 1.6% 0.6% 2.99 OCC and Kraft Bags 15.1% 7.5% 24.8% Mixed Recyc Paper 6.6% Other Non-Recyc Paper 5.4% 2.7% 8.9% PLASTIC 19.3% 10.9% 29.4% #1 PET Containers 0.1% 0.0% 0.1% #1 PET Deposit 0.3% 0.1% 0.5% #2 HDPE Containers 0.9% 0.4% All Other Numbered Containers 0.9% 0.4% 1.8% Other Plastic Not Numbered 14.1% 6.2% 24 6% Film/Wrap/Bags 3.0% 1.4% 5.2% METAL 5.7% 3.0% 9.4% Alum Non-Deposit Beverage Containers 0.0% 0.0% Alum Deposit Beverage Containers 0.4% 0.1% 0.9% Ferrous Food 0.8% 1.5% 0.3% Other Ferrous Scrap 3.6% 7.0% 1.7% 1.3% Other Non-Ferrous Scrap 0.9% 0.3% GLASS 0.7% 0.3% 1.3% 0.3% 0.1% 0.5% Green 0.0% 0.0% Blue 0.0% 0.0% 0.0% Brown 0.1% 0.2% 0.7% 0.1% 0.0% Deposit Glass Containers Other/ Mixed Cullet 0.3% 0.1% 0.7% 0.2% 1.5% **Automotive Products** 0.7% 0.2% 1.5% Paints and Solvents 0.0% 0.0% 0.0% Pesticides, Herbicides & Fungicides 0.0% 0.0% 0.0% Household Cleaners 0.0% 0.0% 0.1% Batteries (lead -acid) 0.0% 0.0% 0.0% Batteries (other)
Other (HHM containers w/prod inside) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% YARD WASTE 2.1% 0.5% 4.8% Yard Waste 2.1% 0.5% 4.8% **Pumpkins** 0.0% 0.0% 0.0% FOOD WASTE 4.5% 1.7% 8.7% Food Waste 4.5% 1.7% 8.7% WOOD 15.7% 6.5% 27.9% Non-Treated Wood 2.4% 12.9% Treated Wood 9.1% 3.1% 17.7% DURABLES 2.7% 0.7% 5.9% All Electrical and Household Appl. 2.7% 5.9% Other Durables 0.0% 0.0% 0.0% TEXTILES 2.1% 0.9% 3.8% Textiles and Leather 2.1% 0.9% 3.8% DIAPERS 0.7% 0.2% 1.6% Diapers 0.7% 0.2% 1.6% RUBBER 3.4% 0.7% 8.0% Rubber 3.4% 0.7% 8.0% OTHER ORGANIC 0.3% 0.1% 0.5% Other Organic 0.3% 0.1% 0.5% OTHER INORGANIC 3.5% 0.7% 8.4% Other Inorganic 3.5% 0.7% 8.4% FINES/SUPERMIX 1.5% 2.7% 0.4% Fines/ Supermix 1.5% 0.5% 2.9% OTHER 0.0% 0.0% 0.0% Other 0.0% 0.0% 0.0% CONSTRUCTION & DEMOLITION 9.9% 2.9% 20.4% C&D 9.9% 2.9% 20.4% **TOTAL PERCENT** 100.0%

DES MOINES COUNTY MSW Composition Mixed - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

8 loads 1,808 pounds 226 pounds

Avg Wt per Sample	=	226	pounds	
WASTE CATEGORIES			90% Confi	
Material	Mean Pero	entage	Interval Lower	(%) Upper
PAPER	21.2%		6.6%	41.4%
Newspaper Magazines		1.9%	0.3%	4.8%
Magazines High Grade/ Office	1	1.4% 1.1%	0.2% 0.1%	3.5% 3.1%
OCC and Kraft Bags	1	7.7%	2.6%	15.3%
Mixed Recyc Paper	ŀ	3.6%	0.7%	8.4%
Other Non-Recyc Paper	ĺ	5.6%	1.1%	13.3%
PLASTIC	9.6%		4.5%	16.2%
#1 PET Containers]	0.2%	0.0%	0.4%
#1 PET Deposit #2 HDPE Containers		0.1% 1.1%	0.0% 0.2%	0.3% 2.5%
All Other Numbered Containers		0.4%	0.1%	1.0%
Other Plastic Not Numbered		4.1%	1.7%	7.6%
Film/Wrap/Bags		3.8%	0.7%	9.1%
METAL	8.8%		3.6%	15.9%
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers	İ	0.0%	0.0%	0.1%
Ferrous Food	İ	0.1% 1.5%	0.0% 0.3%	0.3% 3.7%
Other Ferrous Scrap		6.0%	1.6%	12.9%
Other Non-Ferrous Scrap	1	1.2%	0.1%	3.2%
GLASS	1.2%	ŀ	0.2%	3.0%
Clear		1.0%	0.2%	2.5%
Green Blue	1	0.0%	0.0%	0.0%
Brown	1	0.0%	0.0% 0.0%	0.0% 0.6%
Deposit Glass Containers		0.0%	0.0%	0.0%
Other/ Mixed Cullet		0.0%	0.0%	0.0%
ннм	0.2%		0.0%	0.5%
Automotive Products		0.1%	0.0%	0.3%
Paints and Solvents		0.0%	0.0%	0.1%
Pesticides, Herbicides & Fungicides Household Cleaners		0.0%	0.0%	0.0%
Batteries (lead -acid)		0.0%	0.0% · 0.0%	0.0% 0.0%
Batteries (other)		0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)		0.0%	0.0%	0.0%
YARD WASTE	1.7%		0.1%	5.1%
Yard Waste		0.9%	0.1%	2.7%
Pumpkins		0.9%	0.0%	2.8%
FOOD WASTE	4.5%	i	0.8%	11.1%
Food Waste		4.5%	0.8%	11.1%
WOOD	13.8%	ł	7.8%	21.2%
Non-Treated Wood Treated Wood		3.4%	0.6%	8.1%
Treated vyood		10.5%	4.0%	19.4%
DURABLES	19.1%	- 1	2.8%	45.1%
All Electrical and Household Appl.		6.3%	0.5%	18.0%
Other Durables		12.9%	0.8%	36.1%
TEXTILES	7.8%		2.4%	16.0%
Textiles and Leather		7.8%	2.4%	16.0%
DIAPERS	0.8%		0.1%	2.4%
Diapers		0.8%	0.1%	2.4%
RUBBER	2.8%	1	0.6%	6.6%
Rubber		2.8%	0.6%	6.6%
OTHER ORGANIC	2 00/		6 64	أسمه
Other Organic	3.9%	3.9%	0.3%	11.0% 11.0%
•		3.970	0.3%	11.0%
OTHER INORGANIC	0.0%	- 1	0.0%	0.0%
Other Inorganic		0.0%	0.0%	0.0%
FINES/SUPERMIX	2.4%		0.4%	5.9%
Fines/ Supermix		2.4%	0.4%	5.9%
OTHER	0.0%		0.0%	0.0%
Other		0.0%	0.0%	0.0%
CONSTRUCTION & DEMOLITION	0.44			
C&D	2.1%	2.1%	0.3% 0.3%	5.4% 5.4%
		2.170	0.376	J.476
TOTAL PERCENT	100.0%			

DES MOINES COUNTY MSW Composition Combined - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

41 loads 9,176 pounds 224 pounds 918 tons/week

Material Mean Percentage Dept Dept Tons are Material Dept		posed/Week =	918	tons/week			
PAPER Newspaper Newspape	WASTE CATEGORIES Material						
PAPER 1.5% 1.8% 1.2% 2.5% 3.3% 2.5% Magazines 1.8% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.0% 2.4% 1.7% 1.7% 1.0% 2.4% 1.7% 1.1% 1.2% 2.5% 1.2% 1	····aronia	Mean Pero	entage	Interva			
Newspaper	PAPER						i i
Magazines			1.8%			250	17
OCC and Kraft Bags 9.7% 6.8% 13.2% Mixed Recyc Paper 4.9% 3.5% 6.5% PLASTIC #1 PET Containers 14.9% 11.6% 18.6% #1 PET Deposit 2.0% 0.1% 0.3% #2 HOPE Containers 1.0% 0.7% 0.3% #2 HOPE Containers 1.0% 0.7% 0.3% #2 HOPE Containers 1.0% 0.7% 0.3% #2 HOPE Containers 1.0% 0.7% 0.3% #2 HOPE Containers 1.0% 0.7% 0.3% #2 HOPE Containers 1.0% 0.6% 1.4% #3 HOPE Membered 8.5% 5.7% 11.7% #4 HIM Non-Deposit Beverage Containers 0.3% 0.1% 0.4% #4 HIM Deposit Beverage Containers 0.3% 0.1% 0.4% #4 HIM Deposit Beverage Containers 0.3% 0.1% 0.4% #4 Green 0.0% 0.0% 0.0% 0.4% #4 Green 0.0% 0.6% 1.2% #4 Green 0.0% 0.0% 0.0% 0.0% #4 Green 0.0% 0.0%			1.7%				15
Mixed Recyc Paper				0.9%	2.1%		13
Chief Non-Recyc Paper							89
## PLASTIC ## 1PET Containers ## 1PET Containers ## 1PET Containers ## 1PET Containers ## 1PET Containers ## 1PET Containers ## 1PET Containers ## 10th Containers ##							45
# I PET Containers 1.0	• •	ļ	8.4%	5.9%	11.3%		77
#1 PET Containers #1 PET Depost #1 PET Depost #1 PET Depost #1 PET Depost #2 HDPE Containers		14.9%	1	11.6%	18.6%	137	
# I PET Depost # 2 HDPE Containers # 2 HDPE Containers # 2 HDPE Containers # 2 HDPE Containers # 2 HDPE Containers # 2 HDPE Containers # 1.0%			0.2%	0.1%	0.3%		2
All Other Numbered Containers Other Plasts Not Numbered Film/Vap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrou		i	0.2%	0.1%			2
Cher Plastic Not Numbered				0.7%	1.4%		10
### ### ### ### ### ### ### ### ### ##	All Other Numbered Containers				1.4%		9
METAL Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Containe	Other Plastic Not Numbered						78
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Forrous Scrap Other Non-Ferr		i	4.0%	2.8%	5.4%		37
Alum Non-Depost Beverage Containers Alum Depost Beverage Containers Ferrous Food Other Ferrous Scrap Other Forous Scrap Other Non-Ferrous Scrap Other Non-Teres Batteries (lead -acid) Batteries (cher) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) OXASTE Food Waste Pood		6.0%		4.4%	7.7%	55	
Ferrous Food 1.3% 0.8% 1.8% 1.8% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.2% 0.8% 0.5% 1.4% 0.6% 0.6% 0.4% 0.9%	Alum Non-Deposit Beverage Containers	İ		0.0%	0.1%		1
Other Ferrous Scrap Other Non-Ferrous Scrap Other Organic Other Organic Other Other Other Other Other Other Other Other Other Organic Other Othe	Alum Deposit Beverage Containers			0.1%	0.4%		2
GLASS Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet HIMM Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead-acid) Batteries (cher) Other/ HIMH containers w/prod inside) VARD WASTE Yard Waste Yard Waste Food Waste Food Waste NOOD Non-Treated Wood Treated Wood				0.8%	1.8%		12
Clast					5.1%		33
Clear 1.0% 0.8% 1.4%	•		0.8%	0.5%	1.2%		7
Clear 1.0% 0.6% 1.4% 1.0% 0.6% 1.4% 1.0% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.3% 0.2% 0.1% 0.0%		1.5%	1	1.0%	2 0%	13	
Green Blue 0.0% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.2% 0.1% 0.0% 0.2% 0.1% 0.0% 0.2% 0.2% 0.1% 0.0% 0.2% 0.2% 0.1% 0.0% 0.2% 0.2% 0.1% 0.0% 0.2% 0.1% 0.0% 0			1.0%			1.5	9
Biue 0.0%							0
Deposit Glass Containers			0.0%				ŏ
Other/ Mixed Cullet Automotive Products Paints and Solvents Paints and Solvents Posticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cher) Other (HHM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins CODD WASTE Food Waste Food Waste Food Waste Food Waste AUTOMOTIVE DURABLES All Electrical and Household Appl. Other Durables Textlles and Leather ALPERS Diapers CUBBER Rubber Rubber Rubber Rubber Rubber Cother (Indra Coullet) Automotive Products 0.4% 0.4% 0.2% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0		1	0.2%	0.1%			2
Automotive Products Paints and Solvents Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Cither (HHM containers w/prod inside) FOOD WASTE Pumpkins FOOD WASTE Food Waste Non-Treated Wood Treated Wood				0.0%			2 1
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Cother (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Prod Waste Pood	Other/ Mixed Cullet		0.2%	0.1%	0.3%		1
Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Cother (H1M containers w/prod inside) PARD WASTE Yard Waste Pumpkins Pood Waste Food Waste Pumpkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pompkins Pood Waste Pood Waste Pompkins Pood Waste Pood Wa	IHM	0.6%		0.4%	0.00/		
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cother) Other (H-IM containers w/prod inside) YARD WASTE Yard Waste Pompkins Pood Waste Food Waste Food Waste All Electrical and Household Appl. Other Durables Diapers Diapers Diapers Diapers Diapers Diapers Diapers Rubber Ditter (H-IM containers w/prod inside) Divided (Labert Cother) Divided (Labert Cot	Automotive Products	1	0.4%			3	_
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid)		1					3 1
Household Cleaners Batteries (lead -acid) Batteries (cadra-acid) Batteries (cadra-acid) Batteries (cad							1
Batteries (ead -acid) Batteries (other) Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HHM containers w/prod inside in 1.6% Other (HM containers w/prod inside in 1.6% Other (HM containers w/prod inside in 1.6% Other (HM containers w/prod inside in 1.6% Other (HM containers w/prod inside in 1.6% Other (HM containe							0
Batteries (other) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) (ARD WASTE	Batteries (lead -acid)						0
Other (H-IM containers w/prod inside) /ARD WASTE							1
1.8% 1.6% 0.9% 2.8% 16	Other (HHM containers w/prod inside)						ó
Yard Waste Pumpkins 1.6% 0.9% 2.5% 0.1% 0.3% 16 FOOD WASTE Food Waste 6.9% 4.5% 9.7% 63 9.7% 9.7% 63 NOOD Non-Treated Wood Treated Wood Other Durables 10.2% 3.5% 1.9% 5.5% 1.9% 1.0% 3.3% 1.0% 1.0% 3.3% 1.0% 1.0% 3.4% 1.0% 3.3% 1.0% 1.0% 3.4% 1.0% 3.3% 1.0% 1.0% 3.4% 1.0%	ARD WASTE	4 00/					ď
Pumpkins O.2% 0.1% 0.3% O.3% 2.3% O.2% 0.1% 0.3% FOOD WASTE Food Waste Food Waste Food Waste O.2% 0.1% 0.3% Food Waste Food Waste Food Waste O.2% 0.1% 0.3% Food Waste Food Waste O.2% 0.1% 0.3% Food Waste O.2% 0.1% 0.3% Food Waste O.2% 0.9% O.2% 0.1% 0.3% Food Waste O.2% 0.1% 0.3% I.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.9% 5.5% O.8% 1.0% 5.6% O.8% 3.2% 11.6% O.8% 3.2% 11.6% O.8% 3.2% 11.6% O.8% 3.2% 11.6% O.8% 3.2% 11.6% O.8% 3.2% 11.6% O.9% 3.3% O.9% 3.3% O.9% 3.3% O.9% 3.4% O.9% 3.4% O.9% 3.4% O.9% 3.4% O.9% 2.0% O.9% 2.0% O.9% 2.8% O.9% 1.0% 3.4% O.9% 2.8% O.9% 2.8% O.9% 3.3 5.1% O.9% 2.8% O.9% 3.3 5.1% O.9% 0.2% 1.0% O.9% 0.2% 1.0% O.9% 0.2% 1.0% O.9% 0.2% 1.0% O.9% 0.2% 1.0% O.9% 0.2% ONSTRUCTION & DEMOLITION O.9% 0.2% 1.0% O.9% 0.2% ONSTRUCTION & DEMOLITION O.9% 0.2% 1.0% O.9% 0.2% ONSTRUCTION & DEMOLITION O.9% 0.2% ONSTRUCTION		1.0%	4.69			16	
FOOD WASTE Food Waste							15
Food Waste ### NOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood ### 10.2% ### 10.2% ### 10.3% ### 10	·		0.2%	U. 176	0.3%		2
NOOD Non-Treated Wood Treated Wood Non-Treated Wood Treated Wood Non-Treated Wood Treated Wood Non-Treated W		6.9%		4.5%	9.7%	63	
Non-Treated Wood S.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.5% 1.9% 5.6% 1.0% 3.2% 11.6% 1.6% 1.6% 3.2% 11.6% 1.6% 3.2% 11.6% 1.6% 3.2% 11.6% 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 3.3% 20 1.3% 3.3% 3.3% 1.0% 3.4% 18 1.0% 3.4% 3	Food Waste		6.9%	4.5%	9.7%		63
Non-Treated Wood To ask 4.0% To ask 3.5% Textiles and Household Appl. To the Companic The Compan	100D	10.2%		6 AW	44.09/	0.4	
Treated Wood 6.8% 4.0% 10.1% DURABLES All Electrical and Household Appl. Other Durables FEXTILES Textiles and Leather 10.3% 5.7% 16.2% 95 3.6% 2.0% 5.6% 3.2% 11.6% 6.8% 3.2% 11.6% 6.8% 3.2% 11.6% FEXTILES Textiles and Leather 6.0% 4.0% 8.3% 55 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 20 1.3% 3.3% 18 Rubber 2.0% 1.0% 3.4% 18 Rubber 1.3% 0.7% 2.0% 11 Other Organic 1.3% 0.7% 2.0% 11 Other Organic 1.6% 0.7% 2.8% 15 Other Inorganic 1.6% 0.7% 2.8% 15 INES/SUPERMIX Fines/ Supermix 3.6% 2.3% 5.1% THER Other Other	Non-Treated Wood	10.2%	3.5%			94	32
## DURABLES All Electrical and Household Appl. Other Durables All Electrical and Household Appl. Other Durables ### Textiles and Leather ### 1.3% ### 1.	Treated Wood						62
All Electrical and Household Appl. Other Durables Textiles Textiles and Leather BAPERS Diapers Diapers CUBBER Rubber CHER ORGANIC Other Organic Other Organic THER INORGANIC Other Inorganic INES/SUPERMIX Fines/ Supermix THER Other O							02
Other Durables CEXTILES Textiles and Leather 6.0% 6.0% 6.0% 4.0% 8.3% 55 8.3% 11.6% 8.3% 1.3% 1.3% 3.3% 1.3% 3.3% 1.3% 3.3% 1.3% 1.3% 3.3% 1.0% 3.4% 1.0% 3.4% 1.0% 3.4% 1.0% 3.4% 1.0% 1.0% 3.4% 1.0% 1.0% 3.4% 1.0% 1.0% 1.0% 3.4% 1.0% 1.0% 3.4% 1.0% 1.0% 3.4% 1.0% 1.0% 3.4% 1.0% 1.0% 3.6% 1.0% 1.		10.3%	- 1	5.7%	16.2%	95	
#EXTILES Textiles and Leather 6.0%							33
Textiles and Leather 6.0% 4.0% 8.3% 8.3% 8.3% 8.3% 8.3% 8.3% 8.3% 8.3			6.8%	3.2%	11.6%		62
Textiles and Leather 6.0% 4.0% 8.3% 1.3% 3.3% 2.2% 1.3% 3.3% 2.2% 1.3% 3.3% 2.2% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 3.6% 1.3% 0.7% 2.0% 11 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 15 16% 0.7% 2.8% 16% 1.6% 0.7% 2.8% 15 15 16% 1.6% 0.7% 2.8% 15 15 16% 1.6% 0.7% 2.8% 15 15 16% 1.		6.0%		4.0%	8.3%	55	ı
1.3% 3.3% 20 2.2% 1.3% 3.3% 20 3.3% 20 3.3%	Textiles and Leather		6.0%			•	55
Diapers 2.2% 1.3% 3.3% 20 RUBBER 2.0% 1.0% 3.4% 18 RUBDER 2.0% 1.0% 3.4% 18 OTHER ORGANIC 1.3% 0.7% 2.0% 11 Other Organic 1.3% 0.7% 2.8% 15 OTHER INORGANIC 1.6% 0.7% 2.8% 15 Other Inorganic 1.6% 0.7% 2.8% 15 Other Inorganic 3.6% 2.2% 5.0% 33 THER 0.1% 0.0% 0.2% 1 Other Other 0.1% 0.0% 0.2% 1 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8% 43 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% ONSTRUCTION & DEMOLITION 4.7% 2.4	APERS	2.00	1	4 600			- "
2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 2.0% 1.0% 3.4% 2.0% 1.0% 3.4% 2.0% 1.0% 3.4% 2.0% 1.0% 2.0% 11 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 3.6% 2.2% 5.0% 3.6% 2.3% 5.1% 2.2% 5.0% 3.6% 2.3% 5.1% 2.2		2.276	2 201			20	
Rubber 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 18 2.0% 1.0% 3.4% 17 2.0% 1.0% 3.4% 17 0.7% 2.0% 11 2.0% 1.3% 0.7% 2.0% 11 2.0% 1.3% 0.7% 2.0% 11 2.0% 15 2.0% 15 2.0% 15 2.0% 15 2.0% 15 2.0% 15 2.0% 2.8% 15 2.2% 5.0% 33 2.3% 5.1% 17 2.2% 5.0% 33 2.3% 5.1% 17 2.4% 7.8% 43 2.4% 7.8% 43 2.4% 7.8% 43	•		2.2%	1.3%	3.3%		20
1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 11 1.3% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.8% 15 1.6% 0.7% 2.2% 5.0% 33 1.6% 1.6% 0.3% 5.1% 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.1% 0.0% 0.2% 1 1.6% 0.0% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2%	UBBER	2.0%		1.0%	3.4%	18	
1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 11 1.3% 0.7% 2.0% 1.3% 0.7% 2.0% 1.3% 0.7% 2.8% 1.5% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.8% 1.6% 0.7% 2.2% 5.0% 33 1.6% 2.3% 5.1% 1.6% 0.1% 0.0% 0.2% 1.6% 0.1% 0.0% 0.2% 1.6% 0.1% 0.0% 0.2% 1.6% 0.1% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0.2% 0.0% 0.2% 0	Rubber		2.0%	1.0%	3 4%		18
Other Organic 1.3% 0.7% 2.0% OTHER INORGANIC Other Inorganic 1.6% 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 15 0.7% 2.8% 10 0.0% 0.2% 0.0% 0.2% 10 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.2% 0.0% 0.0% 0.2% 0.0% 0.0% 0.2% 0.0%				1.574	0.770		۱۳
THER INORGANIC 1.6% 0.7% 2.8% 15		1.3%	1	0.7%	2.0%	11	
THER INORGANIC 1.6% 0.7% 2.8% 15	Other Organic		1.3%	0.7%	2.0%		11
Other Inorganic INES/SUPERMIX Fines/ Supermix 3.6% 0.7% 2.8% 3.8% 2.2% 5.0% 33 THER Other 0.1% 0.0% 0.2% 1 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D	FUED MODOLANIC		- 1		1		
Second S		1.6%	i	0.7%	2.8%	15	
Fines/ Supermix 3.6% 2.3% 5.1% THER 0.1% 0.0% 0.2% 1 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8%	-		1.6%	0.7%	2.8%		15
Fines/ Supermix 3.6% 2.3% 5.1% THER 0.1% 0.0% 0.2% 1 Other 0.1% 0.0% 0.2% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8%	NES/SUPERMIX	3.6%	- 1	2 2%	5.0%	33	
THER 0.1% 0.0% 0.2% 1 Other 0.1% 0.0% 0.2% 1 ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8% 43	Fines/ Supermix	1	3.6%			33	33
Other 0.1% 0.0% 0.2% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8% 43	•		J. J. M				33
Other 0.1% 0.0% 0.2% ONSTRUCTION & DEMOLITION 4.7% 2.4% 7.8% 43 C&D 4.7% 2.4% 7.8%		0.1%				1	
C&D 4.7% 2.4% 7.8%	Outer		0.1%	0.0%			1
C&D 4.7% 2.4% 7.8%	DNSTRUCTION & DEMOLITION	A 794	- 1	2 44	7 04	40	1
7.170 2.476 1.076		4.176	470			43	_,[
TOTAL PERCENT 100 0%			4.770	∠.4%	7.8%		43
IVV.V A	TOTAL PERCENT	100.0%					

DES MOINES COUNTY Solid Waste Composition Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

41 loads 9,176 pounds 224 pounds 1,179 tons/week

Est Tons Disposed/	Week =	1,179	tons/week	
WASTE CATEGORIES	1		Estimate	
Material	Mean Pero	entane.	Tons per Material	
PAPER	21.8%	rentage	256	
Newspaper		1.4%		17
Magazines	1	1.3%		15
High Grade/ Office		1.1%		13
OCC and Kraft Bags Mixed Recyc Paper		7.6% 3.8%		89 45
Other Non-Recyc Paper		6.5%		77
PLASTIC	11.6%		137	
#1 PET Containers	11.0%	0.2%	137	2
#1 PET Deposit		0.2%		2
#2 HDPE Containers		0.8%		2 2 10
All Other Numbered Containers	}	0.7%		9
Other Plastic Not Numbered Film/Wrap/Bags		6.6%		78 37
		3.1%		31
METAL Alum Non-Deposit Beverage Containers	4.6%	0.0%	55	1
Alum Deposit Beverage Containers		0.2%		2
Ferrous Food		1.0%		2 12
Other Ferrous Scrap		2.8%		33
Other Non-Ferrous Scrap	1	0.6%		7
GLASS	1.1%	Ì	13	
Clear		0.8%		9
Green	1	0.0%		0
Blue Brown	1	0.0% 0.1%		0
Deposit Glass Containers	l	0.1%		2 1
Other/ Mixed Cullet	Ì	0.1%		1
ннм	0.5%	1	5	
Automotive Products	0.3 %	0.3%	,	3
Paints and Solvents	1	0.1%		1
Pesticides, Herbicides & Fungicides		0.0%		0
Household Cleaners		0.0%		0
Batteries (lead -acid)		0.0%		0
Batteries (other) Other (HHM containers w/prod inside)		0.1% 0.0%		1
	4 400	0.074	40	3
YARD WASTE Yard Waste	1.4%	1.2%	16	15
Pumpkins	1	0.1%		2
·	- 400			-
FOOD WASTE Food Waste	5.4%	5.4%	63	63
WOOD	0.00/	J.778	64	~
Non-Treated Wood	8.0%	2.7%	94	32
Treated Wood	1	5.3%		62
DIBABIE				
DURABLES All Electrical and Household Appl.	8.0%	2.8%	95	33
Other Durables	1	5.3%		62 62
TEXTILES	4 700	3.073	55	-
Textiles and Leather	4.7%	4.7%	33	55
		7.1 77		~
DIAPERS Diapers	1.7%	1.7%	20	20
•		1.770		20
RUBBER	1.6%		18	
Rubber	1	1.6%		18
OTHER ORGANIC	1.0%	J	11	
Other Organic		1.0%	••	11
-	1			• •
OTHER INORGANIC	1.3%	1	15	
Other Inorganic	1	1.3%		15
FINES/SUPERMIX	2.8%	1	33	
Fines/ Supermix	1	2.8%		33
OTHER	0.1%		1	
Other		0.1%		1
CONSTRUCTION & DEMOLITION	22.7%	1	267	
C&D	22.170	22.7%	201	267
		22.170	-	-07
SPECIAL WASTES	3.1%	1	37	
Special Wastes		3.1%		37

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Residential - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample :

9 loads 1,637 pounds 182 pounds

Magazines	Avg Wt per Sample =		182	pounds		
Mean Percentage		T	······	90% Confidence		
PAPER 16.6% 6.6% 3.17	Material			Interval	(%)	
Newspaper News	PAPER		entage			
Magazines	Newspaper	10.0%	1.5%		3.4%	
OČC and Kraft Bags Mixed Recyc Paper 3.1% 0.7% 7.2% Chern Non- Recyc Paper 3.1% 0.7% 7.2% PLASTIC 3.5% 1.1% 7.2% #1 PET Containers 0.1% 0.0% 0.0% 0.2% #1 PET Deposit 0.0% 0.0% 0.0% 0.1% #2 HDPE Containers 1.1% 0.3% 2.4% All Other Numbered Containers 1.1% 0.3% 2.4% All Cher Numbered Containers 1.1% 0.3% 2.4% All The Deposit Beverage Containers 1.1% 0.3% 2.5% Alum Non-Deposit Beverage Containers 0.1% 0.0% 0.0% 0.1% Ferrous Food 0.1% 0.0% 0.2% 1.3% 2.5% Cher Ferrous Scrap 1.6% 3.1% 2.45% 0.5% 0.3% 0.5% 0.3% 0.5% 0.3% 0.5% 0.3% 0.5% 0.3% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%<		ļ			1.6%	
Mixed Recyc Paper 3.1% 0.7% 7.2% Cher Non-Recyc Paper 3.5% 1.1% 7.2% 7.2% Cher Non-Recyc Paper 3.5% 1.1% 7.2%		-			2.9%	
Chief Non-Recyc Paper 7.5% 1.1% 7.29						
## PLASTIC ## PET Containers ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit Pet Pet Deposit Pet Pet Deposit Deverage Containers ## ALOTHER PET Deposit Deverage Containers ## ALOTHER PET Deposit Deverage Containers ## ALOTHER PET Deposit Deverage Containers ## ALOTHER PET Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Deverage Containers ## Deposit Glass Co						
# I PET Containers # 1 PET Londainers # 1 PET Loppoid # 1 PET	· ·		0.07			
#1 PET Deposit #2 PIDEC Containers #2 PIDEC Containers #2 PIDEC Containers #2 PIDEC Containers #2 PIDEC Containers #2 PIDEC Containers #3 PIDEC Containers #4 PIDEC Containers #4 PIDEC Containers #4 PIDEC Containers #4 PIDEC PIDE		7.6%	0.40			
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered FilmWarpBags All Other Numbered FilmWarpBags All Other Plastic Not Numbered FilmWarpBags FilmWarpBags Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers O.1% 0.0% 0.0% 0.1% Alum Non-Deposit Beverage Containers O.1% 0.0% 0.1% 0.0% 0.2% Clear Green Other Ferrous Scrap Clear Green Blue O.0% 0.0% 0.0% 0.0% 0.0% Brown Deposit Class Containers O.0% 0.0% 0.0% 0.0% Deposit Class Containers Other/ Mixed Cullet 1.0% Automotive Products Pesticides, Herbicides & Fungicides Household Cleaners O.0% 0.0% 0.0% 0.0% Batteries (lead-acid) Batteries (lead-acid		f				
All Other Numbered Containers Other Plastic Not Numbered Filmwrap/Bags 1.1% 0.3% 2.8% METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers O.1% 0.0% 0.0% 0.1% 1.3% 24.5% 0.1% 1.6% 0.1% 1.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0						
FilmWrap/Bags					1.8%	
METAL Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Content Ferrous Scrap Cher Ferrous Scrap Cher Ferrous Scrap Cher Fornus Scrap Cher Non-Ferrous Scrap Cher Non-Fer					9.1%	
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers O.1% O.0% O.2% Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Other Non-Ferrous Scrap Other Other Non-Ferrous Scrap Other Other Other Non-Ferrous Scrap Other		1	1.1%	0.3%	2.6%	
Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Fe		14.7%			26.9%	
Ferrous Food 0.5% 0.11% 1.3% 1.18% 0.11% 1.3% 0.11% 1.3% 0.11% 1.3% 0.11% 1.3% 0.11% 0.2% 0.3% 0.8% 0.3% 0.8% 0.3% 0.8% 0.9% 0.9% 0.0%						
Cher Ferrous Scrap						
Cher Non-Ferrous Scrap 2.5% 0.3% 6.8% 6.8% 6.8% 6.24% 3.6% 6.28% 3.6% 6.28% 3.6% 6.28% 3.6% 6.28% 3.6% 6.28% 3.6% 6.28%						
Clear						
Clear Green Blue Brown Deposit Glass Containers Other/ Mixed Cullet Automotive Products Paints and Solvents Paints and Solvents Batteries (ead-acid) Batter	•	4 60/				
Green Blue Blue Brown Deposit Glass Containers Other/ Mixed Cullet HHM Automotive Products Pasticides, Herbicides & Fungicides Household Cleaners Batteries (ead-acid) Batteries (ether) Other (HM containers w/prod inside) VARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Non-Treated Wood Treated W		1.5%	1 4%			
Blue 0.0%	Green				0.0%	
Deposit Glass Containers Cother/ Mixed Cullet HHM Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cher) Other (H-IM containers w/prod inside) YARD WASTE Yard Waste Prod Waste Food Waste Food Waste NOOD Non-Treated Wood Treat					0.0%	
Other/ Mixed Cullet HHM Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Fungicides Posticides, Herbicides & Posticides Posticides, Herbicides & Posticides Posticides, Herbicides Posticides		Į.			0.2%	
### Automotive Products Automotive Products Paints and Solvents Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid		ŀ				
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (cher) Other (H-IM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Pood Waste Food Waste Non-Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables Textiles and Leather Diapers Diapers Diapers Diapers Diapers Diapers Ditables DIAPER Rubber DIAPER Rubber DIAPER Rubber DIAPER DI			0.2%	0.0%	0.6%	
Paints and Solvents Pesticides Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (ed- acid) Batteries (other) Other (H-IM containers w/prod inside) YARD WASTE Yard Waste Pumpkins Pood Waste NooD Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES Textiles Textiles and Leather Diapers Diapers Rubber Textiles Cother Organic DIAPERN Rubber DIAPERN Rubber DIAPERN Rubber DIAPERN Rubber DIAPERN COTHER INORGANIC Other Organic DIAPERN CHERT NORGANIC Other Organic DIAPERN CHERT NORGANIC Other Doughins Construction & DEMOLITION CRD CONSTRUCTION & CRD CONSTRUCTION		1.0%	ı	0.2%	2.6%	
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOd Waste NOOD Non-Treated Wood Treate		· [
Household Cleaners		1				
Batteries (lead -acid) Batteries (other) Other (HHM containers w/prod inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Issue (HTM) on the second inside (Iss		ļ				
Batteries (other) Other (HHM containers w/prod inside) Other (HHM containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE FOOD WASTE FOOD WASTE FOOD WASTE AND AND AND AND AND AND AND AND AND AND						
Other (HI-M containers w/prod inside) YARD WASTE Yard Waste Pumpkins FOOD WASTE Food Waste Food Waste Food Waste Food Waste NOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood Other Durables Textiles Textiles Textiles and Leather DIAPERS Diapers Rubber DIAPERS Rubber DITHER ORGANIC Other Inorganic Tiest Inorgan	Batteries (other)	1				
Yard Waste Pumpkins 70.2% 13.6% Pumpkins 70.0% 0.0% 0.0% 70.0% 0.0% 70.0% 0.0% 70	Other (HHM containers w/prod inside)					
Yard Waste Pumpkins 4.5% 0.0% 0.0% 0.0% 0.0% PUmpkins 0.0% 0.0% 0.0% 0.0% 0.0% FOOD WASTE 3.2% 0.4% 8.2% 0.4% 8.2% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 0.5% 11.4% 0.1% 0.5% 11.4% 0.1% 0.5% 11.4% 0.1% 0.5% 11.4% 0.1% 0.5% 11.5% 14.3% 0.0% 0.5% 15.4% 0.5% 15.4% 0.5% 15.4% 0.5% 15.4% 0.5% 15.4% 0.0% 0.0% 1.7% 0.0% 0.0% 1.7% 0.0% 0.0% 1.7% 0.0% 0.0% 1.7% 0.0% 0.0% 1.7% 0.0% 0.0% 1.7% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0	YARD WASTE	4.5%	1	0.2%	13.6%	
FOOD WASTE FOOD Waste			4.5%			
Food Waste NOOD Non-Treated Wood Treated W	Pumpkins		0.0%	0.0%	0.0%	
Food Waste ## WOOD Non-Treated Wood 13.7% 3.8% 28.3% 2.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5% 5.3% 0.5%	FOOD WASTE	3.2%	ļ	0.4%	8 2%	
NOOD 13.7% 3.8% 28.3% 28.3% 11.4% 3.1% 23.9% 23.9% 11.4% 3.1% 23.9%	Food Waste	0.270	3.2%			
Non-Treated Wood T	MOOD	13 7%			i	
Treated Wood 11.4% 3.1% 23.9% DURABLES All Electrical and Household Appl. Other Durables FEXTILES Textiles and Leather Diapers Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS Diapers CHAPERS DIAPE		10.776	2.3%			
All Electrical and Household Appl. Other Durables FEXTILES Textiles and Leather Diapers Diapers RUBBER Rubber Other Organic Other Organic Other Organic Other Inorganic FINES/SUPERMIX Fines/ Supermix Fines/ Supermix Other O	Treated Wood	1				
All Electrical and Household Appl. Other Durables FEXTILES Textiles and Leather Diapers Diapers RUBBER Rubber Other Organic Other Organic Other Organic Other Inorganic FINES/SUPERMIX Fines/ Supermix Fines/ Supermix Other O	NIDADI EC		}			
Other Durables 5.6% 0.5% 15.4% TEXTILES 1.9% 10.8% Textiles and Leather 5.5% 1.9% 10.8% DIAPERS 0.6% 0.0% 1.7% Diapers 0.6% 0.0% 1.7% RUBBER 3.1% 0.7% 7.2% Rubber 3.1% 0.7% 7.2% OTHER ORGANIC 1.2% 0.2% 3.2% OTHER INORGANIC 1.9% 0.3% 4.7% Other Inorganic 1.9% 0.3% 4.7% CHIRES/SUPERMIX 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% OTHER 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% CSD 10.2% 2.5% 22.5%		11.9%	6.40/			
TEXTILES 1.9% 10.8% 1.9% 10.8% 10.		ł				
Textiles and Leather 5.5% 1.9% 10.8%	FEYTH EQ		0.07			
DIAPERS Diapers 0.6% 0.6% 0.0% 0.0% 1.7% 1.7% RUBBER Rubber 3.1% 3.1% 0.7% 7.2% 7.2% 7.2% DTHER ORGANIC Other Organic 1.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 3.2% 0.2% 3.2% DTHER INORGANIC Other Inorganic 1.9% 0.3% 4.7% 1.9% 0.3% 4.7% 1.5% 7.0% Fines/Supermix 3.7% 1.5% 7.0% 7.0% 0.0% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0		5.5%	5 5 64			
Diapers 0.6% 0.0% 1.7% 1.7% 1.7% 1.2% 1.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3%		1	3.376		ł	
RUBBER Rubber 3.1% 0.7% 7.2% Rubber 3.1% 0.7% 7.2% OTHER ORGANIC 0.2% 3.2% Other Organic 1.2% 0.2% 3.2% OTHER INORGANIC 1.9% 0.3% 4.7% Other Inorganic 1.9% 0.3% 4.7% Fines/SUPERMIX 3.7% 1.5% 7.0% Fines/ Supermix 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% OTHER 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%		0.6%				
Rubber 3.1% 0.7% 7.2% OTHER ORGANIC 1.2% 0.2% 3.2% Other Organic 1.2% 0.2% 3.2% OTHER INORGANIC 1.9% 0.3% 4.7% Other Inorganic 1.9% 0.3% 4.7% Fines/Supermix 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% Other Organic 1.9% 0.0% 0.0% 0.1% OTHER 0.0% 0.0% 0.1% OTHER 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	·	ĺ	0.6%	0.0%	1.7%	
DTHER ORGANIC 1.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 3.2% 0.2% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 4.7% 0.3% 0.3% 4.7% 0.3% 0.3% 4.7% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.2% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0%	RUBBER	3.1%	1	0.7%	7.2%	
Other Organic 1.2% 0.2% 3.2% OTHER INORGANIC 0.3% 4.7% Other Inorganic 1.9% 0.3% 4.7% Fines/Supermix 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	Rubber	ļ	3.1%	0.7%	7.2%	
Other Organic 1.2% 0.2% 3.2% OTHER INORGANIC 0.3% 4.7% Other Inorganic 1.9% 0.3% 4.7% Fines/Supermix 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	THEP OPGANIC	4	- 1			
OTHER INORGANIC Other Inorganic 1.9% 0.3% 4.7% CINES/SUPERMIX Fines/ Supermix 3.7% 1.5% 7.0% OTHER Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION C&D 10.2% 2.5% 22.5% C SD 10.2% 2.5% 22.5%		1.2%	4 000			
Other Inorganic 1.9% 0.3% 4.7% 7.0% 7.0% Fines/Supermix 3.7% 1.5% 7.0% 7.0% 7.0% 7.0% 7.0% 7.0% 7.0% 7.0	Other Organic		1.2%	0.2%	3.2%	
Other Inorganic 1.9% 0.3% 4.7% FINES/SUPERMIX 3.7% 1.5% 7.0% Fines/ Supermix 3.7% 1.5% 7.0% OTHER 0.0% 0.0% 0.1% Cother 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	OTHER INORGANIC	1.9%	- 1	0.3%	4.7%	
INES/SUPERMIX 3.7% 1.5% 7.0% Fines/ Supermix 3.7% 1.5% 7.0% 7	Other Inorganic		1.9%			
Fines/ Supermix 3.7% 1.5% 7.0% PTHER 0.0% 0.0% 0.1% Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	INES/SUPERMIX	2 70/			1	
OTHER 0.0% 0.0% 0.1% Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%		3.176	3 7%			
Other 0.0% 0.0% 0.1% CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%	•		5.778			
CONSTRUCTION & DEMOLITION 10.2% 2.5% 22.5% C&D 10.2% 2.5% 22.5%		0.0%				
C&D 10.2% 2.5% 22.5%			0.0%	0.0%	0.1%	
C&D 10.2% 2.5% 22.5%	CONSTRUCTION & DEMOLITION	10.2%	}	2.5%	22.5%	
	C&D		10.2%			
	TOTAL PERCENT	100.0%				

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Commercial - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

25 loads 5,608 pounds 224 pounds

Total Wt Sorted ≃ Avg Wt per Sample ≔	5,608 224	pounds pounds	
WASTE CATEGORIES	227	90% Confi	
Material		Interval	
	Mean Percentage	Lower	Upper
PAPER Newspaper	38.1%	29.9%	46.5%
Magazines	1.5% 0.8%	0.8% 0.4%	2.59 1.39
High Grade/ Office	2.0%	1.0%	3.49
OCC and Kraft Bags	18.2%	11.3%	26.49
Mixed Recyc Paper	5.5%	3.6%	7.99
Other Non-Recyc Paper	10.0%	5.7%	15.49
PLASTIC	19.4%	13.9%	25.5%
#1 PET Containers #1 PET Deposit	0.4%	0.2%	0.8%
#2 HDPE Containers	0.1% 2.8%	0.0% 1.7%	0.1% 4.1%
All Other Numbered Containers	3.9%	1.6%	7.2%
Other Plastic Not Numbered	5.1%	3.2%	7.4%
Film/Wrap/Bags	7.2%	5.0%	9.6%
METAL	2.9%	1.6%	4.6%
Alum Non-Deposit Beverage Containers	0.0%	0.0%	0.1%
Alum Deposit Beverage Containers Ferrous Food	0.2% 0.8%	0.1% 0.4%	0.4%
Other Ferrous Scrap	1.1%	0.4%	1.3% 1.9%
Other Non-Ferrous Scrap	0.8%	0.3%	1.4%
GLASS	1.1%	0.5%	1.9%
Clear	0.7%	0.3%	1.2%
Green	0.1%	0.0%	0.2%
Blue	0.0%	0.0%	0.0%
Brown Deposit Glass Containers	0.1%	0.0%	0.2%
Other/ Mixed Cullet	0.0% 0.2%	0.0% 0.1%	0.0% 0.4%
ннм			
Automotive Products	1.3%	0.6%	2.2%
Paints and Solvents	0.7% 0.4%	0.3% 0.1%	1.3% 0.7%
Pesticides, Herbicides & Fungicides	0.1%	0.0%	0.1%
Household Cleaners	0.0%	0.0%	0.0%
Batteries (lead -acid)	0.0%	0.0%	0.0%
Batteries (other)	0.0%	0.0%	0.1%
Other (HHM containers w/prod inside)	0.0%	0.0%	0.0%
YARD WASTE Yard Waste	0.6%	0.2%	1.2%
Pumpkins	0.6% 0.0%	0.2% 0.0%	1.2% 0.0%
'		0.076	0.076
FOOD WASTE Food Waste	15.5%	9.3%	22.9%
	15.5%	9.3%	22.9%
WOOD	1.8%	0.8%	3.2%
Non-Treated Wood Treated Wood	1.1% 0.7%	0.5% 0.3%	2.0%
Troubled Prood	U. 778	0.3%	1.3%
DURABLES	4.3%	1.0%	9.8%
All Electrical and Household Appl.	2.3%	0.8%	4.5%
Other Durables	2.1%	0.6%	4.4%
TEXTILES	3.0%	1.4%	5.2%
Textiles and Leather	3.0%	1.4%	5.2%
DIAPERS	0.9%	0.4%	1.6%
Diapers	0.9%	0.4%	1.6%
RUBBER	0.5%	0.2%	0.8%
Rubber	0.5%	0.2%	0.8%
TUED ODGANIC			
OTHER ORGANIC	2.1%	0.9%	3.7%
Other Organic	2.1%	0.9%	3.7%
OTHER INORGANIC	0.3%	0.1%	0.5%
Other Inorganic	0.3%	0.1%	0.5%
INES/SUPERMIX	5.5%	2.5%	7.9%
Fines/ Supermix	5.5%	2.5% 2.9%	7.9% 8.7%
	i		
OTHER Other	0.4%	0.1%	0.7%
	0.4%	0.1%	0.7%
CONSTRUCTION & DEMOLITION	3.1%	1.4%	5.4%
C&D	3.1%	1.4%	5.4%
TOTAL PERCENT	100.0%		

	Composition - Spring 1998	EAGENCY		
Sample Size = Total Wt Sorted = Avg Wt per Sample ≠		22 4,917 224	loads pounds pounds	
WASTE CATEGORIES Material			90% Conf	idence
	Mean Pen	centage	Interval Lower	
PAPER	31.2%	- Cinage	27.4%	Upper 35,1%
Newspaper Magazines		2.7%	2.0%	3.5%
High Grade/ Office	1	2.2% 1.3%	1.3% 0.9%	3.2%
OCC and Kraft Bags	1	6.7%	4.5%	1.8% 9.3%
Mixed Recyc Paper Other Non-Recyc Paper	1	7.4%	5.9%	9.1%
PLASTIC	1	11.0%	8.0%	14.4%
#1 PET Containers	12.5%		11.2%	13.9%
#1 PET Deposit		0.3% 0.1%	0.2% 0.1%	0.4%
#2 HDPE Containers		1.1%	0.8%	0.2% 1.5%
All Other Numbered Containers Other Plastic Not Numbered	į.	0.9%	0.5%	1.3%
Film/Wrap/Bags	İ	6.2% 3.9%	5.1%	7.3%
METAL	6.0%	3.976	3.3%	4.5%
Alum Non-Deposit Beverage Containers	6.0%	0.1%	4.3% 0.1%	8.0% 0.2%
Alum Deposit Beverage Containers	ł	0.1%	0.0%	0.2%
Ferrous Food Other Ferrous Scrap	}	1.8%	1.2%	2.4%
Other Non-Ferrous Scrap		3.1%	1.9%	4.5%
GLASS		0.9%	0.4%	1.7%
Clear	2.9%	1.5%	1.9%	4.0%
Green	l	0.3%	1.0% 0.1%	2.1% 0.6%
Blue	l	0.0%	0.0%	0.1%
Brown Deposit Glass Containers	ļ	0.5%	0.2%	0.8%
Other/ Mixed Cullet		0.0% 0.6%	0.0% 0.3%	0.0%
нм .	Í	0.0%		0.9%
Automotive Products	1.4%	0.5%	0.8%	2.2%
Paints and Solvents		0.5%	0.2% 0.2%	0.9% 0.9%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.5%
Household Cleaners Batteries (lead -acid)		0.1%	0.0%	0.1%
Batteries (other)		0.0% 0.1%	0.0% 0.1%	0.0%
Other (HHM containers w/prod inside)		0.1%	0.1%	0.2% 0.3%
ARD WASTE	1.5%	- 1	0.6%	2.9%
Yard Waste		1.5%	0.6%	2.9%
Pumpkins		0.0%	0.0%	0.0%
OOD WASTE	16.6%	1	13.5%	19.9%
Food Waste		16.6%	13.5%	19.9%
/OOD Non-Treated Wood	3.2%	1	1.8%	4.9%
Treated Wood		1.8%	0.8%	3.2%
		1.4%	0.7%	2.2%
URABLES	2.3%	l l	1.1%	3.8%
All Electrical and Household Appl. Other Durables		1.5%	0.7%	2.6%
EXTILES		0.8%	0.3%	1.6%
Textiles and Leather	3.6%		2.2%	5.2%
IAPERS		3.6%	2.2%	5.2%
Diapers	2.5%		1.4%	4.0%
·		2.5%	1.4%	4.0%
UBBER	0.5%		0.3%	0.8%
Rubber		0.5%	0.3%	0.8%
THER ORGANIC	2.6%		1.4%	4.1%
Other Organic		2.6%	1.4%	4.1%
THER INORGANIC		į.		ł
Other Inorganic	0.7%		0.3%	1.2%
NES/SUPERMIX		0.7%	0.3%	1.2%
Fines/ Supermix	9.3%		7.1%	10.9%
THER		9.3%	8.0%	10.7%
Other	0.1%	اس	0.0%	0.3%
		0.1%	0.0%	0.3%
ONSTRUCTION & DEMOLITION	2.2%	1	1.4%	I
C&D	2.27	2.2%	1.72	3.3%

FLOYD-MITCHELL SOLID WASTE AGENCY MSW Composition Combined - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est. Tons Disposed/Week =

55 loads 12,150 pounds 221 pounds 447 tons/week

Est. Tons Dispose	d/Week =	447	tons/week			
WASTE CATEGORIES Material			90% Confid		Estimate	
	Mean Pen	centage	Interval (Upper	Tons pe Materia	
PAPER	31.7%		26,9%	36.8%	142	
Newspaper	1	1.9%	1.3%	2.5%		
Magazines	1	1.3%	0.9%	1.8%		6
High Grade/ Office		1.6%	1.1%	2.2%		7
OCC and Kraft Bags	1	11.7%	8.5%	15.3%		52
Mixed Recyc Paper	1	6.0%	4.7%	7.4%		27
Other Non-Recyc Paper		9.3%	6.8%	12.0%		41
PLASTIC	14.8%		12.1%	17.7%	66	
#1 PET Containers	14.0%	0.3%	0.2%	0.4%	00	
#1 PET Deposit		0.1%	0.1%	0.4%		1
#2 HDPE Containers		1.9%	1.4%	2.4%		8
All Other Numbered Containers		2.2%	1.3%	3.3%		10
Other Plastic Not Numbered	·	5.4%	4.3%	6.7%		24
Film/Wrap/Bags	i	4.9%	3.8%	6.1%		22
METAL		7.5%		3		22
	6.0%		4.4%	7.9%	27	
Alum Non-Deposit Beverage Containers		0.1%	0.0%	0.1%		0
Alum Deposit Beverage Containers	1	0.1%	0.1%	0.2%		1
Ferrous Food	ł	1.1%	0.8%	1.5%		5
Other Ferrous Scrap	I	3.6%	2.3%	5.1%		16
Other Non-Ferrous Scrap		1.1%	0.7%	1.7%		5
GLASS	1.8%		1.2%	2.4%	8	
Clear	1.0%	1.0%	0.7%	1.4%	•	4
Green		0.2%	0.1%	0.3%		1
Blue		0.0%	0.0%	0.0%		ò
Brown	1	0.2%	0.1%	0.4%		1
Deposit Glass Containers	1	0.0%	0.0%	0.0%		ò
Other/ Mixed Cullet		0.4%	0.2%	0.5%		2
		0.7.0	0.270	0.570		2
HHM	1.2%		0.8%	1.7%	6	
Automotive Products		0.6%	0.3%	0.9%		3
Paints and Solvents		0.4%	0.2%	0.6%		2
Pesticides, Herbicides & Fungicides	1	0.0%	0.0%	0.1%		ā
Household Cleaners	1	0.0%	0.0%	0.1%		Ö
Batteries (lead -acid)	1	0.0%	0.0%	0.0%		ň
Batteries (other)		0.1%	0.0%	0.1%		2 0 0 0
Other (HHM containers w/prod inside)		0.1%	0.0%	0.1%		ŏ
YARD WASTE	4.00			1	_	·
Yard Waste	1.6%	اسمد	0.9%	2.6%	7	_
	İ	1.6%	0.9%	2.6%		7
Pumpkins		0.0%	0.0%	0.0%		0
FOOD WASTE	13.9%		10.4%	17.8%	62	
Food Waste	10.0%	13.9%	10.4%	17.8%	92	62
	i .	.0.0.0		1		02
wood	4.3%		2.8%	6.1%	19	
Non-Treated Wood		1.6%	1.0%	2.3%		7
Treated Wood		2.7%	1.7%	4.1%		12
DUDA DU EO		1				
DURABLES	4.8%		2.6%	7.5%	21	
All Electrical and Household Appl.	1	2.6%	1.6%	4.0%		12
Other Durables		2.2%	1.1%	3.5%		10
TEXTILES	3.7%	1	2.6%	5.0%	16	
Textiles and Leather		3.7%	2.6%	5.0%	• • •	16
						``]
DIAPERS	1.5%		1.0%	2.1%	7	- 1
Diapers	ł	1.5%	1.0%	2.1%		7
RUBBER	0.9%	ı	0.6%	1.3%		
	0.5%	!			4	
Rubber		0.9%	0.6%	1.3%		4
OTHER ORGANIC	1		4 444			
	2.2%		1.4%	3.1%	10	
Other Organic		2.2%	1.4%	3.1%		10
OTHER INORGANIC	A 54	1		اسم	_	
	0.5%		0.3%	0.8%	2	ı
Other Inorganic	1	0.5%	0.3%	0.8%		2
FINES/SUPERMIX	6.7%	1	4.7%	8.1%	30	- 1
Fines/ Supermix		6.7%	5.1%	8.6%	~	30
•		, ~				30
OTHER	0.2%		0.1%	0.3%	1	
Other		0.2%	0.1%	0.3%		1
CONCEDUCTION & DEMONSTRA		1				- 1
CONSTRUCTION & DEMOLITION	4.0%		2.6%	5.6%	18	
C&D	1	4.0%	2.6%	5.6%		18
TOTAL PERCENT	400.00					
TOTAL PERCENT	100.0%					li

FLOYD-MITCHELL SOLID WASTE AGENCY Solid Waste Composition Spring 1998

 Sample Size =
 55
 loads

 Total Wt Sorted =
 12,150
 pounds

 Avg Wt per Sample =
 221
 pounds

 Est. Tons Disposed/Week=
 509
 tons/week

Est. Tons Dispose		509	tons/week	
WASTE CATEGORIES			Estimate	d
Material	Mean Per	nontra	Tons pe	
PAPER	27.9%	centage	Materia 142	
Newspaper		1.7%		8
Magazines	1	1.2%		6
High Grade/ Office	-	1.4%		6 7 52
OCC and Kraft Bags Mixed Recyc Paper		10.3%		52
Other Non-Recyc Paper		5.2%		27
, ,	1	8.1%		41
PLASTIC	13.0%		66	
#1 PET Containers	}	0.3%		1
#1 PET Deposit	1	0.1%		0
#2 HDPE Containers	ļ	1.6%		8
All Other Numbered Containers	ı	1.9%		10
Other Plastic Not Numbered	İ	4.8%		24
Film/Wrap/Bags		4.3%		22
METAL	5.3%	i	27	
Alum Non-Deposit Beverage Containers	1	0.1%		0
Alum Deposit Beverage Containers	1	0.1%		1
Ferrous Food	1	1.0%		5
Other Ferrous Scrap	1	3.2%		16
Other Non-Ferrous Scrap	1	1.0%		5
GLASS	1.6%	i	8	
Clear	1,	0.9%	•	4
Green	i	0.1%		
Blue	ŀ	0.0%		ò
Brown	1	0.2%		1 0 1 0 2
Deposit Glass Containers		0.0%		ó
Other/ Mixed Cullet	ŀ	0.3%		2
ннм	1.1%	ľ		
Automotive Products	1.176	0.50	6	ا
Paints and Solvents	İ	0.5%		3
Pesticides, Herbicides & Fungicides		0.3% 0.0%		2
Household Cleaners		0.0%		Ů
Batteries (lead -acid)		0.0%		ž
Batteries (other)		0.1%		ŏ
Other (HHM containers w/prod inside)	1	0.1%		3 2 0 0 0
YARD WASTE	1	0.170]	_	ď
Yard Waste	1.4%		7	
Pumpkins		1.4%		7
•		0.0%		٥
FOOD WASTE	12.2%	1	62	
Food Waste	1	12.2%		62
WOOD	3.8%	1	40	I
Non-Treated Wood	3.0%	1.4%	19 .	7
Treated Wood	1	2.4%		12
		2.470		'4
DURABLES	4.2%		21	
All Electrical and Household Appl.		2.3%		12
Other Durables		1.9%		10
EXTILES	3.2%		40	
Textiles and Leather	3.270	3.2%	16	46
		3.276		16
DIAPERS	1.3%		7	
Diapers	1	1.3%		7
RUBBER	0.8%			ı
Rubber	0.070		•	
Nubbei	1	0.8%		4
THER ORGANIC	1.9%	i	10	- 1
Other Organic	1	1.9%		40
outs. Organio	Ĭ	1.9%		10
THER INORGANIC	0.5%	- 1	2	- 1
Other Inorganic		0.5%	-	_
_	1	0.5%		2
INES/SUPERMIX	5.9%	- 1	30	- 1
Fines/ Supermix	ł	5.9%		30
THER	0.2%	- 1	1	
Other	V.2.70	0.2%	•	- 1
	1	0.270		'
ONSTRUCTION & DEMOLITION	10.4%	1	53	1
C&D		10.4%		53
PECIAL WASTES				
	5.3%		27	
Special Wastes	1	5.3%		27
TOTAL PERCENT	100.0%			

IOWA CITY LANDFILL
MSW Composition
Residential - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

19 loads 4,099 pounds 216 pounds

Avg Wt per Sample = IWASTE CATEGORIES Material IPAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers #1 PET Deposit	216 Mean Percentage 31.3% 4.2% 3.2% 2.1% 3.5% 6.4% 12.0%	90% Confidenterval (1) Lower 27.4% 2.7% 2.2% 1.3% 2.3% 5.0%	%) Upper 35.4% 6.0% 4.4% 3.1%
Material IPAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper PLASTIC #1 PET Containers	31.3% 4.2% 3.2% 2.1% 3.5% 6.4% 12.0%	Interval (5 Lower 27.4% 2.7% 2.2% 1.3% 2.3% 5.0%	%) Upper 35.4% 6.0% 4.4% 3.1%
PAPER Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non-Recyc Paper PLASTIC #1 PET Containers	31.3% 4.2% 3.2% 2.1% 3.5% 6.4% 12.0%	27.4% 2.7% 2.2% 1.3% 2.3% 5.0%	Upper 35.4% 6.0% 4.4% 3.1%
Newspaper Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers	4.2% 3.2% 2.1% 3.5% 6.4% 12.0%	27.4% 2.7% 2.2% 1.3% 2.3% 5.0%	35.4% 6.0% 4.4% 3.1%
Magazines High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers	3.2% 2.1% 3.5% 6.4% 12.0%	2.2% 1.3% 2.3% 5.0%	4.4% 3.1%
High Grade/ Office OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers	2.1% 3.5% 6.4% 12.0%	1.3% 2.3% 5.0%	3.1%
OCC and Kraft Bags Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers	3.5% 6.4% 12.0%	2.3% 5.0%	
Mixed Recyc Paper Other Non- Recyc Paper PLASTIC #1 PET Containers	6.4% 12.0% 12.6%	5.0%	
Other Non- Recyc Paper PLASTIC #1 PET Containers	12.0% 12.6%		4.8% 7.9%
PLASTIC #1 PET Containers	12.6%	9.5%	14.9%
#1 PET Containers		10.7%	14.6%
	0.4%	0.3%	0.6%
	0.4%	0.3%	0.2%
#2 HDPE Containers	0.9%	0.6%	1.2%
All Other Numbered Containers	1.0%	0.7%	1.4%
Other Plastic Not Numbered	5.8%	4.6%	7.2%
Film/Wrap/Bags	4.3%	3.6%	5.1%
METAL	8.8%	5.4%	13.0%
Alum Non-Deposit Beverage Containers	0.0%	0.0%	0.1%
Alum Deposit Beverage Containers	0.1%	0.1%	0.2%
Ferrous Food	0.9%	0.6%	1.1%
Other Ferrous Scrap	6.4%	3.5%	10.1%
Other Non-Ferrous Scrap	1.4%	0.6%	2.6%
GLASS	2.8%	2.1%	3.7%
Clear	1.3%	0.9%	1.8%
Green	0.0%	0.0%	0.1%
Blue Brown	0.0%	0.0%	0.0%
Deposit Glass Containers	0.1% 0.7%	0.0%	0.1%
Other/ Mixed Cullet	0.7%	0.3% 0.3%	1.2% 1.4%
		0.5%	1.470
ннм	0.7%	0.4%	1.1%
Automotive Products	0.3%	0.1%	0.5%
Paints and Solvents	0.0%	0.0%	0.0%
Pesticides, Herbicides & Fungicides Household Cleaners	0.0%	0.0%	0.0%
Batteries (lead -acid)	0.1% 0.0%	0.0% 0.0%	0.1%
Batteries (other)	0.1%	0.0%	0.0% 0.2%
Other (HHM containers w/prod inside)	0.1%	0.0%	0.2%
YARD WASTE	1.7%		1
Yard Waste	1.7%	0.8% 0.8%	2.9% 2.9%
Pumpkins	0.0%	0.0%	0.0%
·	0.07	0.070	0.070
FOOD WASTE	14.6%	12.3%	17.0%
Food Waste	14.6%	12.3%	17.0%
WOOD	3.5%	1.3%	6.7%
Non-Treated Wood	0.4%	0.1%	0.7%
Treated Wood	3.2%	1.1%	6.3%
DURABLES	4.70	4 407	
All Electrical and Household Appl.	4.3%	1.4% 0.4%	8.7% 2.1%
Other Durables	3.3%	0.8%	7.4%
TEXTILES			8
Textiles and Leather	3.5%	2.2%	5.0%
	3.376	2.2%	5.0%
DIAPERS	4.0%	2.5%	5.9%
Diapers	4.0%	2.5%	5.9%
RUBBER	0.6%	0.3%	1.2%
Rubber	0.6%	0.3%	1.2%
1140001	0.076	0.376	1.270
OTHER ORGANIC	1.3%	0.7%	2.0%
Other Organic	1.3%	0.7%	2.0%
	1		
OTHER INORGANIC	4.4%	2.3%	7.2%
Other Inorganic	4.4%	2.3%	7.2%
FINES/SUPERMIX	5.1%	3.7%	6.2%
Fines/ Supermix	5.1%	4.2%	6.0%
·	ł		
OTHER .	0.1%	0.0%	0.2%
Other	0.1%	0.0%	0.2%
CONSTRUCTION & DEMOLITION	0.8%	0.3%	1.6%
C&D	0.8%	0.3%	1.6%
TOTAL PERCENT	100.0%		

IOWA CITY LANDFILL MSW Composition Commercial - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =

19 loads 4,705 pounds 248 pounds

Avg Wt per Sample =		248	pounds		
WASTE CATEGORIES				% Confidence	
Material	Mean Perc	entage	Interval (%) Upper	
PAPER	27.5%	entage	19.1%	36.9%	
Newspaper	1	1.8%	0.9%	3.2%	
Magazines		1.0%	0.5%	1.8%	
High Grade/ Office OCC and Kraft Bags		1.9% 8.9%	0.8% 4.1%	3.5% 15.3%	
Mixed Recyc Paper	}	4.8%	2.7%	7.5%	
Other Non-Recyc Paper		9.1%	5.5%	13.5%	
PLASTIC	23.3%		13.0%	35.5%	
#1 PET Containers	20.0%	0.3%	0.1%	0.6%	
#1 PET Deposit		0.2%	0.1%	0.4%	
#2 HDPE Containers		1.9%	0.9%	3.3%	
All Other Numbered Containers	ŀ	0.8%	0.3%	1.5%	
Other Plastic Not Numbered Film/Wrap/Bags	1	12.6% 7.5%	5.5% 3.2%	22.0% 13.5%	
METAL	1	7.570			
Alum Non-Deposit Beverage Containers	3.3%	0.0%	1.6% 0.0%	5.7% 0.0%	
Alum Deposit Beverage Containers		0.1%	0.0%	0.0%	
Ferrous Food	1	1.1%	0.4%	2.0%	
Other Ferrous Scrap		2.0%	0.7%	3.9%	
Other Non-Ferrous Scrap		0.1%	0.1%	0.2%	
GLASS	2.6%		1.0%	4.8%	
Clear		0.8%	0.3%	1.6%	
Green		0.0%	0.0%	0.0%	
Blue Brown		0.0%	0.0%	0.0%	
Deposit Glass Containers		0.0% 1.5%	0.0% 0.4%	0.1% 3.2%	
Other/ Mixed Cullet	1	0.2%	0.1%	0.4%	
ннм	4 444				
Automotive Products	1.1%	0.40	0.4%	2.0%	
Paints and Solvents	Į	0.1% 0.0%	0.0% 0.0%	0.2% 0.0%	
Pesticides, Herbicides & Fungicides	1	0.0%	0.0%	0.0%	
Household Cleaners		0.0%	0.0%	0.0%	
Batteries (lead -acid)		0.0%	0.0%	0.0%	
Batteries (other)		0.1%	0.0%	0.1%	
Other (HHM containers w/prod inside)	ļ	0.9%	0.3%	1.8%	
YARD WASTE	1.6%		0.4%	3.6%	
Yard Waste Pumpkins		1.6% 0.0%	0.4% 0.0%	3.6%	
1 umpans		0.0%	0.0%	0.0%	
FOOD WASTE	8.3%		3.9%	14.1%	
Food Waste	İ	8.3%	3.9%	14.1%	
WOOD	9.8%	1	3.3%	19.2%	
Non-Treated Wood		9.2%	2.8%	18.7%	
Treated Wood		0.6%	0.2%	1.3%	
DURABLES	4.7%	- 1	1.4%	9.7%	
All Electrical and Household Appl.	1	0.5%	0.2%	1.1%	
Other Durables]	4.2%	1.0%	9.3%	
TEXTILES	9.3%		3.4%	17.7%	
Textiles and Leather		9.3%	3.4%	17.7%	
DIAPERS	0.2%		0.1%	0.4%	
Diapers	0.2%	0.2%	0.1%	0.4%	
•		0.2.0			
RUBBER	1.0%		0.4%	1.8%	
Rubber		1.0%	0.4%	1.8%	
OTHER ORGANIC	4.6%		1.5%	9.3%	
Other Organic	1.0%	4.6%	1.5%	9.3%	
out. Organio		7.07	1.5%	8.5 %	
OTHER INORGANIC	0.5%	J	0.2%	1.0%	
Other Inorganic		0.5%	0.2%	1.0%	
FINES/SUPERMIX	1.8%	1	0.8%	3.1%	
Fines/ Supermix		1.8%	0.8%	3.1%	
OTHER	6 EV				
Other	0.5%	0.5%	0.1%	1.2%	
		0.576	0.1%	1.2%	
CONSTRUCTION & DEMOLITION	0.1%	1	0.0%	0.2%	
C&D		0.1%	0.0%	0.2%	
TOTAL PERCENT	100.0%				
	100.07				

IOWA CITY LANDFILL
MSW Composition
Missal Carina 4000

Mixed - Spring 1998 Sample Size = Total Wt Sorted = 2,911 224 pounds pounds Avg Wt per Sample = WASTE CATEGORIES 90% Confidence Interval (%) Mean Percentage 31.3% 23.7% Newspaper 2.9% 1.8% 1.8% 4.3% 3.7% Magazines 2.6% High Grade/ Office OCC and Kraft Bags 3.2% 7.0% 6.6% 1.8% 3.2% 4.5% 5.0% 12.2% 9.1% Mixed Recyc Paper Other Non-Recyc Paper 8.9% 6.7% 11.4% 13.8% 10.3% 17.8% #1 PET Containers 0.5% 0.4% 1.4% 0.1% 0.1% 0.2% #1 PET Deposit 0.2% 0.4% 0.6% #2 HDPE Containers 0.8% All Other Numbered Containers 1.4% 6.2% 2.6% Other Plastic Not Numbered 3.4% 9.6% Film/Wrap/Bags 3.5% 6.8% 6.0% 3.0% 0.0% 10.0% Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers 0.0% 0.2% 0.4% 0.1% Ferrous Food 0.4% Other Ferrous Scrap 1.7% 0.1% 4.5% 8.6% Other Non-Ferrous Scrap 0.2% 0.3% GLASS 3.1% 1.6% 4.9% Clear 1.9% 0.0% 0.1% 0.5% 0.0% 1.1% Green 0.0% Blue 0.0% 0.1% 1.5% 0.0% 0.1% Deposit Glass Containers Other/ Mixed Cullet 0.4% 0.1% 0.8% ннм 0.8% 0.4% 1.4% **Automotive Products** 0.2% 0.0% 0.3% Paints and Solvents 0.0% 0.1% Pesticides, Herbicides & Fungicides 0.0% 0.0% 0.0% 0.0% 0.0% Household Cleaners Batteries (lead -acid) 0.0% 0.0% Batteries (other)
Other (HHM containers w/prod inside) 0.3% 0.1% 0.8% YARD WASTE 3.4% 1.0% 7.1% Yard Waste 3.4% 1.0% 7.1% **Pumpkins** 0.0% 0.0% 0.0% FOOD WASTE 10.4% 6.4% 6.4% 15.2% 15.2% Food Waste 10.4% aoow 4.3% 1.6% 8.3% Non-Treated Wood 0.2% 0.6% 1.2% 8.1% Treated Wood 3.8% DURABLES 1.7% 3.6% 0.4% All Electrical and Household Appl. 3.6% Other Durables 0.0% 0.0% 0.0% TEXTILES 8.4% 3.1% 3.1% 16.1% 16.1% Textiles and Leather 8.4% DIAPERS 1.6% 0.6% 0.6% 3.2% 3.2% Diapers 1.6% RUBBER 0.7% 0.3% 1.2% Rubber 0.7% 0.3% 1.2% OTHER ORGANIC 1.9% 0.9% 3.2% Other Organic 1.9% 0.9% 3.2% OTHER INORGANIC 24% 0.7% 5.3% Other Inorganic 2.4% 0.7% 5.3% FINES/SUPERMIX 5.3% 2.7% 8.4% Fines/ Supermix 5.3% 3.1% 8.2% OTHER 0.5% 0.1% 1.2% Other 0.5% 0.1% 1.2% CONSTRUCTION & DEMOLITION 9.5% 9.5% 4.5% 1.3% C&D 4.5% 1.3% TOTAL PERCENT 100.0%

IOWA CITY LANDFILL MSW Composition Combined - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

51 loads 11,714 pounds 230 pounds

Avg Wt per Sample ≃ Est Tons Disposed/Week	_	230	pounds tons/week			
		1,356				
WASTE CATEGORIES Material			90% Confid		Estimate	
material	Mean Pero	entage	Interval (Lower	Upper Upper	Tons pe Materia	
PAPER	29.9%		25.9%	34.0%	406	
Newspaper	1	3.0%	2.2%	3.9%		40
Magazines		2.2%	1.7%	2.9%		30
High Grade/ Office	İ	2.3%	1.7%	3.1%		32
OCC and Kraft Bags Mixed Recyc Paper	1	6.4% 5.9%	4.4% 4.7%	8.6%		87 79
Other Non-Recyc Paper	i	10.1%	4.7% 8.3%	7.1% 12.1%		137
• ,		10.176		i		131
PLASTIC	16.9%		13.2%	20.9%	229	
#1 PET Containers		0.3%	0.2%	0.5%		5
#1 PET Deposit #2 HDPE Containers		0.2% 1.2%	0.1% 0.9%	0.3% 1.7%		3 17
All Other Numbered Containers		1.2%	0.7%	1.7%		14
Other Plastic Not Numbered		8.4%	6.0%	11.3%		114
Film/Wrap/Bags		5.7%	4.1%	7.5%		77
METAL	6.0%		4.3%	8.0%	82	
Alum Non-Deposit Beverage Containers	0.0%	0.0%	0.0%	0.0%	02	0
Alum Deposit Beverage Containers		0.1%	0.1%	0.2%		2
Ferrous Food	j	1.0%	0.7%	1.3%		13
Other Ferrous Scrap	ì	4.3%	2.8%	6.0%		58
Other Non-Ferrous Scrap		0.6%	0.4%	0.9%		8
GLASS	2.8%	- 1	2.0%	3.7%	38	
Clear	2.0%	1.1%	0.8%	1.5%	30	15
Green	1	0.0%	0.0%	0.0%		Ö
Blue	1	0.0%	0.0%	0.0%		ō
Brown	1	0.0%	0.0%	0.1%		1
Deposit Glass Containers		1.2%	0.7%	1.8%		16
Other/ Mixed Cullet		0.4%	0.3%	0.6%		6
ннм	0.9%		0.6%	1.2%	12	
Automotive Products		0.2%	0.1%	0.3%		3
Paints and Solvents	1	0.0%	0.0%	0.0%		ő
Pesticides, Herbicides & Fungicides	}	0.0%	0.0%	0.0%		ŏ
Household Cleaners	i	0.1%	0.0%	0.1%		1
Batteries (lead -acid)	j	0.0%	0.0%	0.0%		0
Batteries (other)	•	0.1%	0.1%	0.1%		1
Other (HHM containers w/prod inside)	1	0.5%	0.2%	0.7%		6
YARD WASTE	2.1%		1.2%	3.2%	28	
Yard Waste	1	2.1%	1.2%	3.2%		28
Pumpkins	ļ.	0.0%	0.0%	0.0%		0
FOOD WASTE	11.2%	- 1	8.6%	14.0%	151	
Food Waste		11.2%	8.6%	14.0%	131	151
WOOD	6.494					
Non-Treated Wood	6.1%	3.7%	3.5% 1.9%	9.2%	82	50
Treated Wood		2.4%	1.3%	6.1% 3.7%		50 32
Trouted Troop		2.7.7	1.576	3.7 %		JZ
DURABLES	3.8%		2.1%	5.9%	51	
All Electrical and Household Appl.	i	1.0%	0.6%	1.5%		14
Other Durables		2.8%	1.3%	4.7%		38
TEXTILES	6.9%	- 1	4.4%	9.8%	93	
Textiles and Leather	1 3.5%	6.9%	4.4%	9.8%	-	93
				į į		•
DIAPERS	2.0%		1.3%	2.8%	. 27	
Diapers		2.0%	1.3%	2.8%		27
RUBBER	0.8%	1	0.5%	1.1%	10	
Rubber		0.8%	0.5%	1.1%		10
		1		1		
OTHER ORGANIC	2.7%	i	1.6%	3.9%	36	
Other Organic		2.7%	1.6%	3.9%		36
OTHER INORGANIC	2.5%		4 504		33	
Other Inorganic	2.5%	250	1.5%	3.6%	33	30
	ĺ	2.5%	1.5%	3.6%		33
FINES/SUPERMIX	3.9%	1	2.8%	4.9%	53	į
Fines/ Supermix		3.9%	3.0%	5.0%		53
OTHER	0.4%		0.2%	0.6%	5	
Other	1	0.4%	0.2%	0.6%	•	5
	l	~.¬ <i>~</i>		l		ĭ
CONSTRUCTION & DEMOLITION	1.5%	1	0.8%	2.3%	20	
C&D	1	1.5%	0.8%	2.3%		20
TOTAL PERCENT	400 00/					
TOTAL PERCENT	100.0%			l		

	Y LANDFILL			
Solid Waste	Composition og 1998			
Sample Size =		51	loads	
Total Wt Sorted =		11,714	pounds	
Avg Wt per Sample Est Tons Disposed		230 1,785	pounds tons/week	
WASTE CATEGORIES	vveek -	1,765		
Material	İ		Estimate Tons per	
	Mean Perc	entage	Material	
PAPER	22.7%		406	
Newspaper Magazines		2.3% 1.7%		40 30
High Grade/ Office		1.8%		32
OCC and Kraft Bags		4.8%		87
Mixed Recyc Paper Other Non-Recyc Paper		4.4% 7.7%		79 137
PLASTIC	40.00	1.176		13/
#1 PET Containers	12.8%	0.3%	229	اء
#1 PET Deposit		0.3%		. 5 3
#2 HDPE Containers	1	0.9%		17
All Other Numbered Containers Other Plastic Not Numbered		0.8%		14
Film/Wrap/Bags	1	6.4% 4.3%		114
METAL	4.6%	7.57	82	77
Alum Non-Deposit Beverage Containers	7.076	0.0%	U.£	o
Alum Deposit Beverage Containers	1	0.1%		2
Ferrous Food		0.7%		13
Other Ferrous Scrap Other Non-Ferrous Scrap		3.2% 0.5%		58
GLASS		0.5%		8
Clear	2.1%	0.8%	38	15
Green	1	0.0%		0
Blue		0.0%		0
Brown Deposit Glass Containers		0.0% 0.9%		1 16
Other/ Mixed Cullet		0.3%		6
ннм	0.6%		12	Ī
Automotive Products	0.076	0.1%	12	3
Paints and Solvents		0.0%		ŏ
Pesticides, Herbicides & Fungicides]	0.0%		0
Household Cleaners Batteries (lead -acid)	l	0.1% 0.0%		1
Batteries (other)	1	0.0%		1
Other (HHM containers w/prod inside)		0.3%		6
YARD WASTE	1.6%	l	28	
Yard Waste		1.6%		28
Pumpkins		0.0%		٥
FOOD WASTE	8.5%		151	I
Food Waste		8.5%		151
NOOD	4.6%		82	ı
Non-Treated Wood Treated Wood	ļ	2.8% 1.8%		50 32
	l	1.076		32
DURABLES	2.9%		51	
All Electrical and Household Appl. Other Durables		0.8% 2.1%		14 38
TEXTILES		2.170		30
Textiles and Leather	5.2%	5.2%	93	93
DIAPERS	1	0.2.2		37
Diapers	1.5%	1.5%	27	27
RUBBER	İ	1.370		21
RUBBER Rubber	0.6%		10	
		0.6%		10
OTHER ORGANIC	2.0%	- 1	36	
Other Organic	1	2.0%		36
OTHER INORGANIC	1.9%		33	- 1
Other Inorganic	1.2%	1.9%		33
INES/SUPERMIX	3.0%	1.0,0	E9	~
Fines/ Supermix	3.0%	3.0%	53	53
OTHER	0.20		-	~~
Other	0.3%	0.3%	5	5
		0.576		ď
C&D C&D	23.9%	22.00	427	
	ì	23.9%		427
SPECIAL WASTES Special Wastes	1.2%	أسر	22	
		1.2%		22
TOTAL PERCENT	100.0%			

MONONA COUNTY TRANSFER STATION MSW Composition Residential - Spring 1998

 Sample Size =
 5
 loads

 Total Wt Sorted =
 1,095
 pounds

 Avg Wt per Sample =
 219
 pounds

Avg Wt per Sample =		219	pounds	
WASTE CATEGORIES Material			90% Confid	
	Mean Perc	entage	Interval (%) Upper
PAPER Newspaper	36.9%	40.44	33.4%	40.5%
Magazines	1	10.1% 3.4%	6.8 % 1.5 %	13.99 6.29
High Grade/ Office		3.3%	0.7%	7.69
OCC and Kraft Bags		5.2%	3.8%	6.79
Mixed Recyc Paper	1	7.7%	6.5%	9.19
Other Non-Recyc Paper	İ	7.2%	5.2%	9.59
PLASTIC	12.0%		10.9%	13.29
#1 PET Containers		0.3%	0.2%	0.49
#1 PET Deposit #2 HDPE Containers		0.2%	0.1%	0.39
All Other Numbered Containers	ĺ	1.6% 0.3%	1.3% 0.1%	2.09 0.79
Other Plastic Not Numbered		5.2%	4.2%	6.39
Film/Wrap/Bags	1	4.4%	3.7%	5.19
METAL	6.4%	1	4.0%	9.2%
Alum Non-Deposit Beverage Containers	1	0.1%	0.0%	0.29
Alum Deposit Beverage Containers		0.3%	0.1%	0.69
Ferrous Food	ł	2.1%	1.3%	3.19
Other Ferrous Scrap Other Non-Ferrous Scrap		3.2%	1.2%	6.29
		0.7%	0.3%	1.29
BLASS Clear	2.9%	,	1.9%	4.1%
Green		1.2%	0.3%	2.7%
Blue		0.0%	0.0% 0.0%	0.0%
Brown		0.7%	0.0%	1.9%
Deposit Glass Containers		0.7%	0.1%	2.2%
Other/ Mixed Cullet	ì	0.3%	0.0%	1.0%
IHM · · · · · · · · · · · · · · · · · · ·	0.5%	İ	0.3%	0.8%
Automotive Products		0.2%	0.1%	0.4%
Paints and Solvents		0.0%	0.0%	0.1%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners	ĺ	0.1%	0.0%	0.3%
Batteries (lead -acid) Batteries (other)	ļ	0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)		0.1% 0.1%	0.0%	0.3%
ARD WASTE		0.176	0.0%	0.3%
Yard Waste	2.3%	2 200	0.6%	5.2%
Pumpkins		2.3% 0.0%	0.6% 0.0%	5.2% 0.0%
000 W 000		0.070	0.076	0.076
OOD WASTE Food Waste	14.3%		8.7%	21.0%
		14.3%	8.7%	21.0%
/OOD	3.2%	ľ	0.2%	9.4%
Non-Treated Wood Treated Wood		0.1%	0.0%	0.4%
Heated AAOOG		3.0%	0.1%	10.1%
URABLES	1.9%	[0.2%	5.4%
All Electrical and Household Appl.		0.6%	0.2%	1.2%
Other Durables		1.3%	0.0%	5.8%
EXTILES	3.2%		0.2%	9.8%
Textiles and Leather		3.2%	0.2%	9.8%
IAPERS	5.2%		2.4%	9.1%
Diapers	V.1.A	5.2%	2.4%	9.1%
UBBER				
Rubber	0.6%		0.2%	1.1%
Kubbei		0.6%	0.2%	1.1%
THER ORGANIC	0.7%	l	0.1%	1.7%
Other Organic		0.7%	0.1%	1.7%
			0.170	~
THER INORGANIC	1.8%		0.3%	4.6%
Other Inorganic		1.8%	0.3%	4.6%
NES/SUPERMIX	5.9%	İ	3.7%	8.6%
Fines/ Supermix		5.9%	3.7%	8.6%
THER	1.3%	l		ł
Other	1.074	1.3%	0.0% 0.0%	4.8% 4.8%
1			0.076	→.076
DNSTRUCTION & DEMOLITION	0.9%	ı	0.0%	3.0%
C0D				
C&D		0.9%	0.0%	3.0%

MONONA COUNTY TRANSF	FR STATION	
MSW Composition Commercial - Spring	on	
Sample Size =	1	loads
Total Wt Sorted ≂ Avg Wt per Sample =	192 192	pounds pounds
WASTE CATEGORIES	1 .02	poditus
Material	M B	
PAPER	Mean Per 41.1%	centage
Newspaper		2.0%
Magazines High Grade/ Office		1.3% 3.3%
OCC and Kraft Bags		23.3%
Mixed Recyc Paper Other Non- Recyc Paper		6.8% 4.4%
PLASTIC	17.8%	7.770
#1 PET Containers	17.0%	0.7%
#1 PET Deposit		2.0%
#2 HDPE Containers All Other Numbered Containers		0.3% 0.2%
Other Plastic Not Numbered	1	2.9%
Film/Wrap/Bags	1	11.8%
METAL Alum Non-Deposit Beverage Containers	5.4%	0.1%
Alum Deposit Beverage Containers		0.1%
Ferrous Food	1	1.7%
Other Ferrous Scrap Other Non-Ferrous Scrap	-	3.4% 0.2%
GLASS	0.8%	U.Z 70
Clear	0.0%	0.6%
Green	ł	0.0%
Blue Brown		0.0% 0.0%
Deposit Glass Containers		0.0%
Other/ Mixed Cullet		0.2%
HHM	0.3%	
Automotive Products Paints and Solvents		0.2% 0.0%
Pesticides, Herbicides & Fungicides		0.0%
Household Cleaners Batteries (lead -acid)		0.0%
Batteries (other)		0.0% 0.1%
Other (HHM containers w/prod inside)		0.0%
YARD WASTE	0.0%	
Yard Waste Pumpkins	ł	0.0% 0.0%
[0.0%
FOOD WASTE Food Waste	8.0%	8.0%
WOOD	1.6%	0.070
Non-Treated Wood	1.0%	0.0%
Treated Wood		1.6%
DURABLES	3.5%	
All Electrical and Household Appl. Other Durables	ł	3.5%
		0.0%
TEXTILES Textiles and Leather	1.8%	1.8%
DIAPERS	8.3%	
Diapers	0.3 %	8.3%
RUBBER	9.4%	I
Rubber		9.4%
OTHER ORGANIC	0.1%	ı
Other Organic	0.176	0.1%
•	1	3.170
OTHER INORGANIC Other Inorganic	0.0%	0.00/
FINES/SUPERMIX	4 00/	0.0%
Fines/ Supermix	1.8%	1.8%
OTHER	0.0%	
Other	0.0%	0.0%
CONSTRUCTION & DEMOLITION	0.0%	
C&D	0.0%	0.0%
TOTAL PERCENT	100.0%	

MONONA COUNTY TRANSFER STATION MSW Composition Mixed - Spring 1998

Sample Size =
Total Wt Sorted =
Ava Wt per Sample =

11 loads 2,347 pounds 213 pounds

Avg Wt per Sample =		2,347 213	pounds pounds	
WASTE CATEGORIES			90% Confi	dence
Material	Maan Por		Interval	(%)
PAPER	Mean Per 45.3%	centage	Lower 39.8%	Upper 50.8%
Newspaper Magazines	1	7.9%	5.6%	10.4%
High Grade/ Office	ł	5.8%	4.0%	8.0%
OCC and Kraft Bags	ł	7.1% 7.8%	3.7% 5.2%	11.5%
Mixed Recyc Paper		8.1%	5.2% 7.0%	11.0% 9.3%
Other Non-Recyc Paper		8.5%	7.0%	10.2%
PLASTIC	13.0%	- 1	10.8%	
#1 PET Containers	1	0.6%	0.4%	15.5% 0.8%
#1 PET Deposit	1	0.3%	0.2%	0.4%
#2 HDPE Containers All Other Numbered Containers	1	1.9%	1.2%	2.7%
Other Plastic Not Numbered	ł	0.4%	0.2%	0.5%
Film/Wrap/Bags	ŀ	5.5%	3.9%	7.4%
METAL		4.4%	3.7%	5.1%
Alum Non-Deposit Beverage Containers	7.6%	0.00	5.1%	10.4%
Alum Deposit Beverage Containers		0.2% 0.5%	0.1%	0.4%
Ferrous Food	1	2.2%	0.2% 1.6%	0.8% 2.8%
Other Ferrous Scrap		4.3%	1.8%	7.7%
Other Non-Ferrous Scrap	1	0.4%	0.3%	0.6%
GLASS	2.3%		1.5%	-
Clear	2.076	1.4%	0.8%	3.2% 2.1%
Green	1	0.2%	0.0%	0.4%
Blue Brown	ł	0.0%	0.0%	0.0%
Deposit Glass Containers		0.2%	0.0%	0.5%
Other/ Mixed Cullet		0.4%	0.1%	0.8%
ІНМ		0.2%	0.1%	0.5%
	1.0%	ļ	0.5%	1.8%
Automotive Products Paints and Solvents		0.6%	0.1%	1.3%
Pesticides, Herbicides & Fungicides	ļ	0.0%	0.0%	0.1%
Household Cleaners	1	0.0%	0.0%	0.1%
Batteries (lead -acid)	1	0.1% 0.0%	0.0%	0.3%
Batteries (other)		0.1%	0.0% 0.0%	0.0% 0.2%
Other (HHM containers w/prod inside)		0.1%	0.0%	0.2%
ARD WASTE	0.4%		0.1%	
Yard Waste	0.4%	0.4%	0.1%	0.7% 0.7%
Pumpkins	*	0.0%	0.0%	0.0%
OOD WASTE	10.4%		0.00/	
Food Waste	10.4%	10.4%	8.8% 8.8%	12.0% 12.0%
/OOD	2 70/	10. 170		
Non-Treated Wood	2.7%	0.9%	1.3%	4.6%
Treated Wood		1.8%	0.3% 0.6%	1.9% 3.4%
URABLES			0.070	3.4%
All Electrical and Household Appl.	1.5%	ļ	0.6%	3.0%
Other Durables		1.5%	0.6%	3.0%
EXTILES		0.0%	0.0%	0.0%
Textiles and Leather	4.9%	- 1	3.2%	7.0%
		4.9%	3.2%	7.0%
APERS	3.2%	i i	1.5%	5.4%
Diapers		3.2%	1.5%	5.4%
JBBER	1.4%	İ	0.7%	f
Rubber	******	1.4%	0.7%	2.2%
THER ORGANIC		1.47	0,7 70	2.2%
	1.6%	İ	1.1%	2.2%
Other Organic		1.6%	1.1%	2.2%
HER INORGANIC	0.5%	ļ		
Other Inorganic	0.5 /6	ا م	0.2%	0.7%
NES/SUPERMIX		0.5%	0.2%	0.7%
Fines/ Supermix	4.4%	1	2.7%	5.9%
•		4.4%	3.6%	5.3%
HER	0.1%		0.0%	0.2%
Other		0.1%	0.0%	0.2%
NSTRUCTION & DEMOLITION	0.00			
C&D	0.2%	0.20/	0.0%	0.3%
70741 5-5-5-5		0.2%	0.0%	0.3%
TOTAL PERCENT	100.0%			

MONONA COUNTY TRANSFER STATION MSW Composition Combined - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

17 loads 3,633 pounds 214 pounds 90 tons/week

WASTE CATEGORIES Material PAPER			000/ 00-4			
PAPER		1	90% Conf		Estimated	
	Mean Perc		Interval Lower	(%) Upper	Tons per	
	42.6%	entage	38.8%	46.4%	Material 38	
Newspaper	72.0%	8.2%	6.3%	10.2%	36	•
Magazines		4.9%	3.5%	6.4%		
High Grade/ Office		5.8%	3.5%	8.5%		- 7
OCC and Kraft Bags		7.9%	5.8%	10.5%		
Mixed Recyc Paper	1	7.9%	7.1%	8.7%		
Other Non-Recyc Paper		7.9%	6.8%	9.1%		-
PLASTIC	40.00					
	13.0%		11.5%	14.6%	12	
#1 PET Containers		0.5%	0.4%	0.6%]		
#1 PET Deposit	1	0.4%	0.3%	0.5%		:
#2 HDPE Containers	j	1.7%	1.3%	2.3%		
All Other Numbered Containers Other Plastic Not Numbered	l	0.3%	0.2%	0.5%		
		5.3%	4.2%	6.4%		
Film/Wrap/Bags		4.8%	4.0%	5.6%		•
METAL	7.1%	i i	5.4%	8.9%	6	
Alum Non-Deposit Beverage Containers	1	0.2%	0.1%	0.3%		(
Alum Deposit Beverage Containers	1	0.4%	0.2%	0.6%		(
Ferrous Food	1	2.1%	1.7%	2.5%		7
Other Ferrous Scrap		3.9%	2.3%	5.9%		2
Other Non-Ferrous Scrap	1	0.5%	0.3%	0.7%		ď
GLASS				- 1	_	`
	2.4%	اسما	1.8%	3.0%	2	
Clear Green		1.3%	0.8%	1.8%		1
Green Blue	1	0.1%	0.0%	0.2%		9
Brown		0.0%	0.0%	0.0%		9
Deposit Glass Containers	1	0.3%	0.1%	0.7%		(
Other/ Mixed Cullet		0.4% 0.2%	0.2%	0.8%		(
Other mixed Cullet		0.2%	0.1%	0.5%		·
IHM .	0.9%	1	0.5%	1.3%	1	
Automotive Products		0.5%	0.2%	0.8%		c
Paints and Solvents		0.0%	0.0%	0.1%		ř
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.1%		0
Household Cleaners		0.1%	0.0%	0.2%		Ö
Batteries (lead -acid)	İ	0.0%	0.0%	0.0%		Ö
Batteries (other)	1	0.1%	0.1%	0.2%		ŏ
Other (HHM containers w/prod inside)	1	0.1%	0.0%	0.2%		Ö
•		٧.١٨			_	U
ARD WASTE	0.9%		0.4%	1.6%	1	
Yard Waste	I	0.9%	0.4%	1.6%		1
Pumpkins	l	0.0%	0.0%	0.0%		0
OOD WASTE	11.4%		9.6%	43 20/	10	
Food Waste	''.~''	11.4%	9. 6% 9.6%	13.2% 13.2%	10	10
	1	1 1.470				10
VOOD	2.8%	1	1.5%	4.3%	2	
Non-Treated Wood	1	0.6%	0.2%	1.2%		1
Treated Wood	1	2.1%	1.0%	3.7%		2
WIDADI FO		I			_	
DURABLES	1.8%		0.9%	2.9%	2	
All Electrical and Household Appl.	l	1.4%	0.7%	2.3%		1
Other Durables	l	0.4%	0.1%	0.9%		0
EXTILES	4.2%	ı	2.6%	6.2%	4	
Textiles and Leather	1	4.2%	2.6%	6.2%	•	4
				1		7
NAPERS	4.1%	1	2.6%	5.9%	4	
Diapers		4.1%	2.6%	5.9%		4
UBBER	4 60/		A 00/	2 54	4	
	1.6%		0.9%	2.5%	7	
Rubber		1.6%	0.9%	2.5%		1
THER ORGANIC	4 20/	1	A 04/	أسميا	4	
	1.3%		0.8%	1.8%	1	
Other Organic		1.3%	0.8%	1.8%		1
THER INORGANIC	0.00/	- 1	A 49/	أسميه	4	
	0.8%		0.4%	1.4%	1	
Other Inorganic		0.8%	0.4%	1.4%		1
	4.7%	- 1	3.4%	5.9%	4	
-	.	4.7%	3.9%	5.6%	•	4
<u>-</u>						•
INES/SUPERMIX Fines/ Supermix	_					
INES/SUPERMIX Fines/ Supermix OTHER	0.4%	1	0.1%	0.9%	0	
FINES/SUPERMIX Fines/ Supermix	0.4%	0.4%	0.1% 0.1 %	0.9% 0.9%	0	0
FINES/SUPERMIX Fines/ Supermix OTHER Other	,	0.4%	0.1%	0.9%		0
FINES/SUPERMIX Fines/ Supermix OTHER Other CONSTRUCTION & DEMOLITION	0.4% 0.4%		0.1% 0.1%	0.9% 0.7%	0	
INES/SUPERMIX Fines/ Supermix DTHER Other	,	0.4%	0.1%	0.9%		0

MONONA COUNTY TRANSFER STATION Solid Waste Composition Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed Add and

17 loads 3,633 pounds 214 pounds 119 tons/week

Est Tons Disposed/Week	=	214 119	pounds tons/week	
WASTE CATEGORIES			Estimated	
Material	1		Tons per	
PAPER	Mean Pen	centage	Material	
Newspaper	32.2%	6.2%	38	7
Magazines		3.7%		7 4 5 7
High Grade/ Office	ł	4.4%		5
OCC and Kraft Bags	i	6.0%		7
Mixed Recyc Paper	ļ	6.0%		7
Other Non-Recyc Paper		6.0%		7
PLASTIC	9.8%		12	
#1 PET Containers		0.4%		0
#1 PET Deposit	1	0.3%		Ó
#2 HDPE Containers		1.3%		0 2 0
All Other Numbered Containers	1	0.3%		0
Other Plastic Not Numbered Film/Wrap/Bags	1	4.0%		5
, ,		3.6%		4
METAL	5.3%	1	6	
Alum Non-Deposit Beverage Containers	İ	0.1%		0
Alum Deposit Beverage Containers Ferrous Food		0.3%		0
	1	1.6%		2
Other Ferrous Scrap Other Non-Ferrous Scrap	1	3.0%		0 2 4
•	1	0.4%		0
GLASS	1.8%		2	
Clear	Ī	1.0%		1
Green		0.1%		0
Blue Brown	1	0.0%		0 0 0
Deposit Glass Containers		0.3% 0.3%		0
Other/ Mixed Cullet		0.3%		,
	İ	0.270		۲
ННМ	0.6%		1	
Automotive Products	1	0.3%		0
Paints and Solvents	1	0.0%		0 0 0
Pesticides, Herbicides & Fungicides	1	0.0%		Q
Household Cleaners		0.1%		9
Batteries (lead -acid)	ł	0.0%		9
Batteries (other) Other (HHM containers w/prod inside)	i	0.1%		0
•		0.1%		0
YARD WASTE	0.7%		1	
Yard Waste		0.7%		- 1
Pumpkins		0.0%		0
FOOD WASTE	8.6%		10	
Food Waste		8.6%		10
MOOD	2.1%	l	2	
Non-Treated Wood	2.176	0.5%	2	1
Treated Wood	1	1.6%		2
				-
DURABLES	1.3%	- 1	2	
All Electrical and Household Appl.		1.0%		- 1
Other Durables		0.3%		이
TEXTILES	3.2%		4	
Textiles and Leather	1	3.2%	•	4
DIAPERS				1
Diapers	3.1%	2 40/	4	
•	I	3.1%		4
RUBBER	1.2%		1	1
Rubber		1.2%		1
	I			
OTHER ORGANIC	0.9%		1	
Other Organic	1	0.9%		1
THER INORGANIC		[
Office Increase in	0.6%	_	1	
Other Inorganic	1	0.6%		1
INES/SUPERMIX	3.5%	1	4	1
Fines/ Supermix		3.5%	-	4
		i	_	
OTHER			0	- 1
	0.3%	ا روور	•	
Other	0.3%	0.3%	•	0
Other CONSTRUCTION & DEMOLITION	0.3% 23.8%	0.3%	28	٥
Other		0.3%	28	0 28
Other CONSTRUCTION & DEMOLITION C&D	23.8%			0 28
CONSTRUCTION & DEMOLITION C&D PECIAL WASTES		23.8%	28	
Other CONSTRUCTION & DEMOLITION C&D	23.8%			0 28 1

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Residential - Spring 1998

 Sample Size =
 6
 loads

 Total Wt Sorted =
 1,303
 pounds

 Avg Wt per Sample =
 217
 pounds

Avg Wt per Sample =		217	pounds	
WASTE CATEGORIES Material		T	90% Confid	
wateral	Mean Perc	entage	Lower Lower	%) Upper
PAPER	26.8%		12.2%	44.6%
Newspaper Magazines		3.4% 1.7%	1.1%	6.99 3.79
High Grade/ Office	1	0.8%	0.4% 0.1%	1.99
OCC and Kraft Bags		9.0%	2.8%	18.39
Mixed Recyc Paper	1	4.7%	1.8%	8.89
Other Non- Recyc Paper		7.2%	3.3%	12.69
PLASTIC	16.3%	- 1	9.4%	24.6%
#1 PET Containers		0.2%	0.1%	0.59
#1 PET Deposit		0.0%	0.0%	0.19
#2 HDPE Containers All Other Numbered Containers		0.7%	0.3%	1.29
Other Plastic Not Numbered		1.8%	0.0%	5.99
Film/Wrap/Bags		4.1% 9.5%	1.8% 5.1%	7.39 15.09
METAL	9.0%	0.07		
Alum Non-Deposit Beverage Containers	9.0%	0.1%	3.8% 0.0%	16.1% 0.2%
Alum Deposit Beverage Containers	1	0.1%	0.0%	0.29
Ferrous Food	ĺ	0.8%	0.4%	1.5%
Other Ferrous Scrap		7.3%	2.3%	14.7%
Other Non-Ferrous Scrap	1	0.7%	0.0%	2.3%
GLASS	1.8%	1	1.3%	2.5%
Clear	,	1.2%	0.8%	1.6%
Green		0.0%	0.0%	0.0%
Blue		0.0%	0.0%	0.0%
Brown		0.0%	0.0%	0.0%
Deposit Glass Containers Other/ Mixed Cullet		0.2%	0.0%	0.8%
	ŀ	0.5%	0.1%	1.3%
HM	0.8%		0.2%	1.8%
Automotive Products		0.3%	0.0%	0.8%
Paints and Solvents		0.2%	0.0%	0.7%
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%
Household Cleaners Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)		0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)		0.0%	0.0% 0.0%	0.7% 0.0%
ARD WASTE	200	0.0%		
Yard Waste	3.9%	3.2%	0.3% 0.3%	11.0%
Pumpkins		0.6%	0.0%	8.9% 2.5%
		5.570	0.070	2.070
OOD WASTE	8.6%		2.8%	17.3%
Food Waste		8.6%	2.8%	17.3%
VOOD	4.8%	i	0.4%	13.3%
Non-Treated Wood		0.6%	0.0%	2.0%
Treated Wood		4.2%	0.2%	13.1%
DURABLES	7.3%		1.4%	17.2%
All Electrical and Household Appl.		1.6%	0.5%	3.4%
Other Durables	!	5.7%	0.3%	16.9%
EXTILES	6.8%	ı	1.6%	15.0%
Textiles and Leather	0.0%	6.8%	1.6%	15.0%
IAPERS		5.57		
Diapers	3.8%	3.8%	0.5%	9.8%
·		3.8%	0.5%	9.8%
UBBER	1.2%	1	0.1%	3.2%
Rubber		1.2%	0.1%	3.2%
TUED ODGANIG		ĺ		
THER ORGANIC	0.9%	ı	0.2%	2.2%
Other Organic		0.9%	0.2%	2.2%
THER INORGANIC	0.3%		0.0%	0.9%
Other Inorganic	U.U.A	0.3%		
•		0.376	0.0%	0.9%
INES/SUPERMIX	3.0%		1.0%	5.9%
Fines/ Supermix		3.0%	1.0%	5.9%
THER	0.0%		0.0%	0.0%
Other		0.0%	0.0%	0.0%
ONSTRUCTION & DEMOLITION	4.04	i		
C&D LEMOLITION	4.9%	ابمه	0.7%	12.5%
VOID		4.9%	0.7%	12.5%
		l l		

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Commercial - Spring 1998

Sample Size = Total Wt Sorted = Avg Wt per Sample =

14 3,090 221 loads pounds pounds

Mean Percentage	Avg Wt per Sample) E	221	pounds	
Mean Percentage	WASTE CATEGORIES Material			90% Confi	dence
PAPER 14.5% 6.3% 22.5% 22.5% 1.5% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.5% 0.2% 2.1% 0.2% 0.2% 2.1% 0.2% 0.2% 2.1% 0.2% 0.2% 0.2% 1.2% 0.2% 0.2% 0.2% 1.2% 0.2% 0.2% 0.2% 1.2% 0.2			ntage	Lower	Upper
Magazines 0.9% 0.2% 2.1% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.2% 1.2% 0.	PAPER	14.5%			24.3%
High Grade/ Office		-			0.5%
CCC and Kraft Bags					
Mixed Recyc Paper Other Non-Recyc Paper S.1% 1.7% 10.33 PLASTIC # PET Containers S.1% 1.7% 10.33 # PET Containers O.0%		İ			12.7%
## PET Containers ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## PET Deposit ## Deposit ## PET Deposit ## Deposit ## Deposit ## Deposit ## Deposit ## Deposit ## Deposit ## Deposit Beverage Containers All Uther Numbered Containers All Uther Numbered ## Deposit Beverage Containers ## All Uther Numbered ## Deposit Beverage Containers ## All Uther Numbered ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Beverage Containers ## Deposit Glass Containers ## Deposit Gla	Mixed Recyc Paper				1.7%
#I PET Depock #I I 1.4% #I 1.5% #I 1.5% #I 1.5% #I 1.2	Other Non-Recyc Paper]	5.1%	1.7%	10.3%
# I PET Containers # I PET Deposit # I PET Dep	PLASTIC	28.0%	- 1	13.0%	46.2%
#2 HDPE Containers All Other Numbered Containers Other Plastic Not Numbered Film/Wrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers O.0% 0.0% 0.0% 0.0% 0.09 Cher Ferrous Scrap Other Forous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap O.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	#1 PET Containers		0.0%		0.0%
All Other Numbered Containers Other Plastic Not Numbered FilmWrap/Bags METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Olim Deposit Beverage Containers Alum Deposit Beverage Containers Olim Deposit Beverage Containers Other Non-Ferrous Scrap O					0.0%
Other Plastic Not Numbered Film/Wrap/Bags		1			1.4%
## FilmWrap/Bags ##ETAL Alum Non-Deposit Beverage Containers Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Comments One Comments O		i			1.5%
METAL Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Forrous Scrap Other Non-Fe					
Alum Non-Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Alum Deposit Beverage Containers Ferrous Food Other Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other Non-Ferrous Scrap Other			1.870		
Alum Deposit Bewerage Containers Ferrous Food Other Ferrous Scrap Other Non-Fe		4.0%	0.004		
Ferrous Food 0.1% 0.0% 0.2% 0.1% 0.0% 0.2% 0.1% 0.0% 0.2% 0.1% 0.0% 0.2% 0.1% 0.0%		İ			0.0%
Other Ferrous Scrap Other Non-					0.2%
11.7% 1.9% 28.1% 28.2%	Other Ferrous Scrap]			8.1%
Clear	Other Non-Ferrous Scrap				0.1%
Clear 0.1% 0.0% 0.2% 0.0%	GLASS	11.7%	- 1	1 9%	28 1%
Green 0.0%	Clear	"""	0.1%		0.2%
Brown			0.0%	0.0%	0.0%
Deposit Glass Containers Other Mixed Cullet II.6% O.6% O.0% O.0% O.0% O.0% O.0% O.0% O.0% O.0		1			0.0%
Other/ Mixed Cullet					0.0%
Automotive Products					
Automotive Products Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (ead-acid) Batteries (ead-acid) Batteries (ead-acid) Diver (HHM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins CODD WASTE Food Waste Food Waste Non-Treated Wood Treated Wood			11.076	1.876	20.276
Paints and Solvents Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (ed-acid) Batteries (other) Other (HIM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins CODD WASTE Food Waste VOOD 15.9% Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables (EXTILES Textiles and Leather Diapers URBER Rubber AURBER Rubber Other Organic Other Organic Other Organic Other Other 1.4% 0.3% 0.3% 0.1% 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	HHM	0.6%		0.1%	1.5%
Pesticides, Herbicides & Fungicides Household Cleaners Batteries (lead -acid) Batteries (lead -acid) Batteries (lead -acid) Other (HIM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins COD WASTE Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables EXTILES Diapers Diapers DIAPERS Diapers DIAPERS Diapers DIAPERS DIAPE					0.0%
Household Cleaners 0.0%					1.5%
Batteries (lead -acid) Batteries (other) Other (HIM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins COD WASTE Food Waste VOOD Non-Treated Wood Treated Wo					
Batteries (other) Other (HHM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins O.0% O.0% O.0% O.0% O.0% O.0% O.0% O.0%					
Other (HHM containers w/prod inside) (ARD WASTE Yard Waste Pumpkins O.0% O.0% O.0% O.0% O.0% O.0% O.0% O.0		1			
VARD WASTE 0.0% 0.0% 0.1% 0.1% 0.0% 0.1% 0.0% 0		1			
Yard Waste Pumpkins 0.0% 0.0% 0.0% 0.0% COD WASTE Food Waste 5.7% 1.1% 13.8% FOOD Waste 5.7% 1.1% 13.8% VOOD Non-Treated Wood Treated Wood Treated Wood 13.0% 5.1% 23.9% DURABLES All Electrical and Household Appl. Other Durables 3.7% 0.2% 0.0% 0.4% Other Durables 0.5% 0.5% 0.1% 1.2% EXTILES Textiles and Leather 0.5% 0.1% 1.2% DIAPERS Diapers 0.0% 0.0% 0.0% 0.0% 0.0% DUBBER Rubber 1.4% 0.3% 3.4% Other Organic 0.3% 0.1% 0.8% OTHER NORGANIC Other Organic 0.4% 0.1% 0.8% OTHER INORGANIC Other Inorganic 0.4% 0.1% 0.8% OTHER NORGANIC Other Inorganic 0.4% 0.1% 0.3% 3.3% OTHER SUPERMIX Fines/ Supermix 1.4% 0.3% 3.3% 3.3% OTHER OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER SUPERMIX Supermix 1.4% 0.3% 3.3% 3.3% OTHER SUPERMIX Supermix 1.4% 0.3% 3.3%	YARD WASTE	0.0%			1
Pumpkins 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0		0.0%	0.0%		
FOOD WASTE Food Waste		ľ			0.0%
Food Waste VOOD Non-Treated Wood Treated Wood Treated Wood Treated Wood DURABLES All Electrical and Household Appl. Other Durables EXTILES Textiles and Leather DIAPERS Diapers Rubber Other Organic Other Organic Other Organic Other Inorganic INES/SUPERMIX Fines/ Supermix Other	5000 1114 077				i
VOOD Non-Treated Wood Tis.9% Ti		5.7%	E 70/		
Non-Treated Wood The Dual Treated T			5./76		
Treated Wood 2.8% 0.8% 6.1% DURABLES 3.7% 1.0% 7.9% All Electrical and Household Appl. 0.2% 0.0% 0.4% 0.6% 8.0% EXTILES 0.5% 0.5% 0.1% 1.2% Textiles and Leather 0.5% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% DIAPERS 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0		15.9%			
DURABLES		ļ			
All Electrical and Household Appl. Other Durables 0.2% Other Durables 0.5% 0.6% 0.1% 1.2% Textiles and Leather 0.5% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Heated 44000	į	2.8%	0.8%	0.1%
Other Durables 3.5% 0.8% 8.0% IEXTILES 0.5% 0.1% 1.2% DIAPERS 0.0% 0.0% 0.0% Diapers 0.0% 0.0% 0.0% RUBBER 0.3% 3.4% Rubber 1.4% 0.3% 3.4% Other Organic 0.3% 0.1% 0.8% Other Inorganic 0.4% 0.1% 0.8% Other Inorganic 0.4% 0.1% 1.0% INES/SUPERMIX 1.4% 0.3% 3.3% Other 3.9% 0.9% 8.8% Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% ONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5%	DURABLES	3.7%		1.0%	7.9%
### Textiles and Leather	All Electrical and Household Appl.	,	0.2%		0.4%
Textiles and Leather 0.5% 0.1% 1.2% 0.04 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Other Durables		3.5%	0.8%	8.0%
Textiles and Leather 0.5% 0.1% 1.2% 0.0M 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	TEXTILES	0.5%		0.1%	1.2%
Diapers 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% 3.4% 0.3% 3.4% 0.3% 3.4% 0.3% 0.1% 0.8% 0.3% 0.1% 0.8% 0.1% 0.8% 0.1% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0%	Textiles and Leather		0.5%		1.2%
Diapers 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.3% 3.4% 0.3% 3.4% 0.3% 3.4% 0.3% 0.1% 0.8% 0.3% 0.1% 0.8% 0.1% 0.8% 0.1% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0% 0.0% 0.1% 0.0%	DIAPERS	0.0%		0.04	0.00/
Subber 1.4% 0.3% 3.4% Rubber 1.4% 0.3% 3.4% 3.4% 0.3% 3.4% 3.4% 0.3% 3.4% 0.3% 3.4% 0.3% 3.4% 0.3% 0.1% 0.8% 0.3% 0.1% 0.8% 0.3% 0.1% 0.8% 0.4% 0.1% 1.0% 0.4% 0.1% 1.0% 0.4% 0.1% 1.0% 0.4% 0.3% 3.3% 0.3% 3.3% 0.3% 3.3% 0.3% 3.3% 0.3% 3.3% 0.9		0.0%	0.0%		
Rubber 1.4% 0.3% 3.4% PTHER ORGANIC Other Organic 0.3% 0.1% 0.8% PTHER INORGANIC Other Inorganic 0.4% 0.1% 1.0% INES/SUPERMIX Fines/ Supermix 1.4% 0.3% 3.3% PTHER Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION C&D 7.9% 1.9% 17.5% 1.9% 17.5% 1.9% 17.5%	DURKE	1	4.47		ı
Other Organic O.3% O.1% O.8%		1.4%	ı		
Other Organic 0.3% 0.1% 0.8% PTHER INORGANIC Other Inorganic 0.4% 0.1% 1.0% INES/SUPERMIX Fines/ Supermix 1.4% 0.3% 3.3% PTHER Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION C&D 7.9% 1.9% 17.5% 7.9% 1.9% 17.5%	Rubber		1.4%	0.3%	3.4%
Other Organic 0.3% 0.1% 0.8% PTHER INORGANIC Other Inorganic 0.4% 0.1% 1.0% INES/SUPERMIX Fines/ Supermix 1.4% 0.3% 3.3% PTHER Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION C&D 7.9% 1.9% 17.5% 7.9% 1.9% 17.5%	OTHER ORGANIC	0.3%		0.1%	0.84
OTHER INORGANIC 0.4% 0.1% 1.0% Other Inorganic 0.4% 0.1% 1.0% INES/SUPERMIX 1.4% 0.3% 3.3% Fines/ Supermix 1.4% 0.3% 3.3% OTHER 3.9% 0.9% 8.8% ONHORTHUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%		1	0.304		
Other Inorganic 0.4% 0.1% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0	viganio		U.370	J. 176	U.076
INES/SUPERMIX 1.4% 0.3% 3.3% Fines/ Supermix 1.4% 0.3% 3.3% ITHER 3.9% 0.9% 8.8% Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%	OTHER INORGANIC	0.4%		0.1%	1.0%
INES/SUPERMIX 1.4% 0.3% 3.3% Fines/ Supermix 1.4% 0.3% 3.3% ITHER 3.9% 0.9% 8.8% Other 3.9% 0.9% 8.8% CONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%	Other Inorganic	1	0.4%	0.1%	1.0%
Fines/ Supermix 1.4% 0.3% 3.3% OTHER 3.9% 0.9% 8.8% Other 3.9% 0.9% 8.8% ONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%	FINES/SUPERMIX	1.44			
Other 3.9% 0.9% 8.8% Other 3.9% 0.9% 8.8% CONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%			1.4%		
Other 3.9% 0.9% 8.8% CONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% C&D 7.9% 1.9% 17.5%	•				
CONSTRUCTION & DEMOLITION 7.9% 1.9% 17.5% 7.9% 1.9% 17.5%		3.9%	اسم		
C&D 7.9% 1.9% 17.5%		1	3.9%	0.9%	8.8%
C&D 7.9% 1.9% 17.5%	CONSTRUCTION & DEMOLITION	7.9%		1.9%	17.5%
		1	7.9%		17.5%
101AL FERGEN! 100.0%	TOTAL BEDGENT	400.00			
	IUIAL PERCENT	100.0%			

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Mixed - Spring 1998

Sample Size = Total Wt Sorted = Avg Wt per Sample =

28 6,212 222

loads pounds pounds

Avg Wt per Sample ≕		222	pounds	
WASTE CATEGORIES Material		I	90% Conf	
TVIALCETIAL	Mean Percer	ntage	Interval Lower	(%) Upper
PAPER	36.8%		30.7%	43.2%
Newspaper	1	2.6%	1.9%	3.5%
Magazines High Grade/ Office		3.5%	2.3%	4.8%
OCC and Kraft Bags	İ	5.5% 7.6%	3.2% 5.4%	8.5%
Mixed Recyc Paper	1	6.3%	5.4% 4.6%	10.2% 8.2%
Other Non-Recyc Paper	i	11.3%	8.8%	14.1%
PLASTIC	18.0%		14.9%	21.4%
#1 PET Containers	10.07	0.2%	0.1%	0.3%
#1 PET Deposit	1	0.1%	0.1%	0.3%
#2 HDPE Containers		0.6%	0.4%	0.8%
All Other Numbered Containers		0.6%	0.3%	0.9%
Other Plastic Not Numbered Film/Wrap/Bags		5.6%	3.9%	7.5%
, ,	1	11.0%	8.9%	13.3%
METAL Alum Non-Deposit Beverage Containers .	5.9%		4.1%	8.0%
Alum Deposit Beverage Containers .	1	0.0%	0.0% 0.0%	0.0%
Ferrous Food	1	0.1%	0.6%	0.1% 1.2%
Other Ferrous Scrap	1	4.7%	2.8%	6.9%
Other Non-Ferrous Scrap	1	0.3%	0.2%	0.5%
GLASS	1.2%		0.8%	1.7%
Clear	1.2/1	0.8%	0.5%	1.7%
Green	1	0.0%	0.0%	0.0%
Blue	1	0.0%	0.0%	0.0%
Brown Deposit Glass Containers	1	0.0%	0.0%	0.0%
Other/ Mixed Cullet	}	0.3%	0.1%	0.5%
		U. 176	0.1%	0.2%
ннм	0.1%	ļ	0.1%	0.2%
Automotive Products		0.1%	0.0%	0.1%
Paints and Solvents Pesticides, Herbicides & Fungicides]	0.0%	0.0%	0.0%
Household Cleaners		0.0%	0.0% 0.0%	0.0% 0.0%
Batteries (lead -acid)		0.0%	0.0%	0.0%
Batteries (other)		0.0%	0.0%	0.0%
Other (HHM containers w/prod inside)	1	0.0%	0.0%	0.0%
YARD WASTE	0.3%		0.1%	0.6%
Yard Waste	1	0.3%	0.1%	0.6%
Pumpkins	1	0.0%	0.0%	0.0%
FOOD WASTE	6.3%		4.2%	8.7%
Food Waste		6.3%	4.2%	8.7%
WOOD	4.6%		2.7%	6.9%
Non-Treated Wood	7.0%	3.6%	1.8%	5.9%
Treated Wood	1	1.0%	0.6%	1.6%
Director de	1 .			1
DURABLES	5.0%		2.5%	8.2%
All Electrical and Household Appl. Other Durables	i	1.7%	0.7%	2.9%
	1	3.3%	1.5%	5.7%
TEXTILES Textiles and Leather	6.3%	000	3.9%	9.0%
	1	6.3%	4.0%	9.0%
DIAPERS	1.4%		0.8%	2.3%
Diapers		1.4%	0.8%	2.3%
RUBBER	0.3%		0.1%	0.5%
Rubber	1	0.3%	0.1%	0.5%
	l		2	5.5.0
OTHER ORGANIC	0.4%	ĺ	0.2%	0.7%
Other Organic		0.4%	0.2%	0.7%
OTHER INORGANIC	2.5%	- 1	4 041	,
Other Inorganic	2.5%	250	1.0%	4.5%
-		2.5%	1.0%	4.5%
FINES/SUPERMIX	3.8%		2.5%	5.1%
Fines/ Supermix		3.8%	2.6%	5.1%
OTHER	1.2%		0.4%	2.3%
Other		1.2%	0.4%	2.3%
CONSTRUCTION & DEMOLITION	649		9.44	اسم
C&D	6.4%	6.4%	3.1% 3.1%	10.8%
	<u> </u>	0.470	3.170	10.8%
TOTAL PERCENT	100.0%			

SOUTH CENTRAL IOWA SOLID WASTE AGENCY MSW Composition Combined - Spring 1998

Sample Size =
Total Wt Sorted =
Avg Wt per Sample =
Est Tons Disposed/Week =

48 loads 10,604 pounds 221 pounds 1,048 tons/week

	Tons Disposed/M	/eek =	1,048	tons/week		
WASTE CATEGORIES Material			90% Confi		Estimate	
	Mean Per	centage	interval Lower	(%) Upper	Tons pe Materia	
PAPER	29.1%		23.5%	35.0%	304	21
Newspaper	-	2.0%	1.4%	2.7%		2
Magazines	J	2.5%	1.7%	3.4%		2
High Grade/ Office	1	3.5%	2.2%	5.1%		3
OCC and Kraft Bags		7.6%	5.6%	9.8%		79
Mixed Recyc Paper	i	4.5%	3.2%	6.0%		4
Other Non-Recyc Paper		9.0%	6.8%	11.5%		94
PLASTIC	20.7%	- 1	16.1%	25.7%	217	
#1 PET Containers		0.1%	0.1%	0.2%	217	
#1 PET Deposit	i	0.1%	0.0%	0.2%		•
#2 HDPE Containers	1	0.6%	0.4%	0.1%		
All Other Numbered Containers	İ	0.7%	0.4%	1.1%		•
Other Plastic Not Numbered	İ	11.0%	7.1%	15.7%		115
Film/Wrap/Bags	1	8.2%	6.3%	10.2%		85
METAL		0.2 %				83
Alum Non-Deposit Beverage Containers	5.7%		4.1%	7.6%	60	
Alum Deposit Beverage Containers	1	0.0%	0.0%	0.0%		
Ferrous Food	1	0.1%	0.0%	0.1%		1
		0.6%	0.4%	0.9%		7
Other Ferrous Scrap		4.8%	3.2%	6.6%		50
Other Non-Ferrous Scrap	1	0.3%	0.2%	0.4%		3
BLASS	4.3%	- 1	2 24			
Clear	4.376	0.6%	2.3% 0.4%	7.0%	45	_
Green	1	0.0%		0.9%		7
Blue	1	0.0%	0.0% 0.0%	0.0%		0
Brown	1	0.0%		0.0%		0
Deposit Glass Containers	1	0.0%	0.0%	0.0%		0
Other/ Mixed Cullet	1		0.1%	0.3%		0 2 37
	1	3.5%	1.6%	6.2%		37
iHM	0.3%	- 1	0.2%	0.5%	4	
Automotive Products		0.1%	0.0%	0.1%	-	4
Paints and Solvents		0.2%	0.1%	0.4%		1
Pesticides, Herbicides & Fungicides		0.0%	0.0%	0.0%		2 0 0 0
Household Cleaners	j	0.0%	0.0%	0.0%		0
Batteries (lead -acid)	i	0.0%	0.0%	0.0%		0
Batteries (other)		0.0%	0.0%	0.1%		U
Other (HHM containers w/prod inside)		0.0%	0.0%			0
ARD WASTE	1 .	0.0 %	0.076	0.0%		0
	0.7%	1	0.4%	1.1%	7	
Yard Waste	1	0.6%	0.3%	0.9%		6
Pumpkins	1	0.1%	0.0%	0.1%		1
OOD WASTE	C 484	i	4			
Food Waste	6.4%	6.49/	4.2%	9.0%	67	
		6.4%	4.2%	9.0%		67
OOD	7.9%	1	5.3%	10.9%	83	
Non-Treated Wood	1	6.0%	3.6%	8.8%		62
Treated Wood		1.9%	1.2%	2.9%		20
1175 4 75 7 7 7		1				
URABLES	4.9%	- 1	3.0%	7.1%	51	
All Electrical and Household Appl.	i	1.2%	0.7%	1.9%		13
Other Durables	Į	3.7%	2.1%	5.6%		38
EXTILES	4.70/					
Textiles and Leather	4.7%	4 70/	3.1%	6.5%	49	
		4.7%	3.1%	6.5%		49
APERS	1.3%	ľ	0.8%	2.0%	14	
Diapers		1.3%	0.8%	2.0%	17	14
JBBER	ł		0.070	2.0%		'"
	0.7%	- 1	0.4%	1.2%	8	1
Rubber		0.7%	0.4%	1.2%		8
ries and and		1				ĭ
THER ORGANIC	0.5%	- 1	0.3%	0.7%	5	1
Other Organic	i	0.5%	0.3%	0.7%	_	5
			0.070	0		۲
THER INORGANIC	1.6%	ı	0.8%	2.6%	17	1
Other Inorganic		1.6%	0.8%	2.6%		17
NES/SUPERMIX				- 1		''
	3.0%		2.0%	4.0%	31	ı
Fines/ Supermix		3.0%	2.1%	4.1%		31
THER	1.8%	. 1	0.04	ابمو		
Other	1.0 %	ایی،	0.9%	3.0%	19	_ ,]
		1.8%	0.9%	3.0%		19
DISTRUCTION & DEMOLITION	6.7%	ı	3.0%	10.0%	70	
	6.7%	6.7%	3.9% 3.9%	10.0% 10.0%	70	70

	WA SOLID WASTE to Composition ring 1998	AGENCY		
Samp Total Avg V	ole Size = Wt Sorted = Vt per Sample = ons Disposed/Week	=	48 10,604 221 1,269	loads pounds pounds tons/week
WASTE CATEGORIES	1		Estim	
Material	Mean Percent	200	Tons Mate	
PAPER	24.0%	age	304	r pear
Newspaper		1.7%		21
Magazines High Grade/ Office		2.0%		26
OCC and Kraft Bags		2.9% 6.3%		36 79
Mixed Recyc Paper		3.7%		47
Other Non-Recyc Paper	1	7.4%		94
PLASTIC	17.1%	ı	217	
#1 PET Containers		0.1%		1
#1 PET Deposit #2 HDPE Containers	1	0.1%		1
All Other Numbered Containers		0.5%		6 8
Other Plastic Not Numbered		9.1%		115
Film/Wrap/Bags	ł	6.7%		85
METAL	4.7%	- 1	60	
Alum Non-Deposit Beverage Containers		0.0%		0
Alum Deposit Beverage Containers Ferrous Food		0.0% 0.5%		1 7
Other Ferrous Scrap	į	3.9%		7 50
Other Non-Ferrous Scrap		0.2%		30
GLASS	3.6%		45	
Clear	3.0 %	0.5%	40	7
Green	Ì	0.0%		0
Blue Brown		0.0%		0
Deposit Glass Containers		0.0% 0.1%		0 2
Other/ Mixed Cullet		2.9%		37
ннм	0.3%	ı	4	
Automotive Products	0.5%	0.1%	•	1
Paints and Solvents		0.2%		2
Pesticides, Herbicides & Fungicides		0.0%		0
Household Cleaners Batteries (lead -acid)		0.0%		0
Batteries (other)		0.0% 0.0%		0
Other (HHM containers w/prod inside)		0.0%		o
YARD WASTE	0.6%		7	
Yard Waste		0.5%	•	6
Pumpkins		0.1%		1
FOOD WASTE	5.3%		67	
Food Waste		5.3%		67
WOOD	6.5%		83	
Non-Treated Wood		4.9%		62
Treated Wood		1.6%		20
DURABLES	4.0%		51	
All Electrical and Household Appl.	1	1.0%	•	13
Other Durables		3.0%		38
TEXTILES	3.8%	- 1	49	
Textiles and Leather	ļ	3.8%		49
DIAPERS	1.1%		14	I
Diapers		1.1%		14
RUBBER	0.6%		8	
Rubber		0.6%	·	8
				1
OTHER ORGANIC	0.4%		5	
Other Organic		0.4%		5
OTHER INORGANIC	1.3%		17	
Other Inorganic		1.3%		17
FINES/SUPERMIX	2.5%		31	l l
Fines/ Supermix		2.5%	•	31
OTHER	1.5%		19	
Other	1.376	1.5%	13	19
				, 3
CONSTRUCTION & DEMOLITION C&D	20.6%	20.60	262	
		20.6%		262
SPECIAL WASTES	2.3%		29	_ [
Special Wastes		2.3%		29
TOTAL PERCENT	100.0%			